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Detailed Table 4.1
SCIE- and SSCI-indexed publications – World, Brazil & São Paulo State, 1998-2006

Indicator	SCIE- and SSCI-indexed publications									Period	
	1998	1999	2000	2001	2002	2003	2004	2005	2006	1998 - 2002	2002 - 2006
	No. of publications										
World	780,517	794,977	809,677	807,353	832,048	873,035	920,102	971,062	1,020,533	4,024,572	4,616,780
Brazil	9,148	10,244	11,164	11,775	13,180	13,898	16,304	17,322	18,915	55,511	79,619
São Paulo State	4,480	5,072	5,500	5,901	6,764	7,194	8,341	8,720	9,564	27,717	40,583
Growth rate (1) (%)											
World	...	1.9	1.8	-0.3	3.1	4.9	5.4	5.5	5.1	6.6	22.7
Brazil	...	12.0	9.0	5.5	11.9	5.4	17.3	6.2	9.2	44.1	43.5
São Paulo State	...	13.2	8.4	7.3	14.6	6.4	15.9	4.5	9.7	51.0	41.4
Contribution to world publications (%)											
Brazil	1.2	1.3	1.4	1.5	1.6	1.6	1.8	1.8	1.9	1.4	1.7
São Paulo State	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.7	0.9

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

(1) Annual growth compared with the previous year. Growth rates for the periods 1998-2002 and 2002-2006 compare the last year of the period with the first.

Detailed Table 4.2
Ranking of selected countries by number of publications quantified in Essential Science Indicators – Brazil & selected countries, 2002-2006 (cumulative)

Selected countries	Publications quantified in <i>Essential Science Indicators</i>	
	No. of publications	Position in <i>ranking</i>
USA	1,412,187	1
Japan	381,465	2
Germany	363,046	3
England (1)	319,524	4
China	296,601	5
France	258,055	6
Canada	199,138	7
Italy	191,855	8
Spain	142,766	9
Australia	127,559	10
Russia	123,899	11
South Korea	115,944	12
India	114,821	13
Netherlands	111,740	14
Sweden	82,712	15
Switzerland	80,336	16
Brazil	77,876	17
Taiwan	72,249	18
Poland	66,423	19
Turkey	61,066	20
Belgium	61,021	21
Israel	52,858	22
Scotland (1)	49,656	23
Denmark	43,564	24
Austria	42,655	25
Finland	41,041	26
Mexico	32,455	
Argentina	24,899	
Chile	13,807	

Source: Thomson Reuters (2008). *Essential Science Indicators*.

(1) England, Scotland, Wales and Northern Ireland are treated as separate entities and it is impossible to aggregate publications for the United Kingdom accurately.

Detailed Table 4.3
SCIE- and SSCI-indexed publications for selected countries according to their contribution to world scientific production – Brazil, 1998-2006

Selected countries by contribution to world scientific production (2002-2006)	SCIE- and SSCI-indexed publications															
	Absolute numbers						1998 - 2002			2002 - 2006						
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	
Total	822,605	834,265	832,783	851,165	848,667	942,010	914,582	1,045,820	1,047,177	4,189,485	100.0	3.2	4,798,256	100.0	23.4	
Countries contributing more than 5%																
USA	271,678	271,559	268,610	274,849	273,012	299,280	286,499	322,107	319,189	1,359,708	32.5	0.5	1,500,087	31.3	16.9	
U.K.	78,598	79,593	80,996	80,123	76,961	83,776	79,806	89,909	89,085	396,271	9.5	-2.1	419,537	8.7	15.8	
Japan	72,199	74,174	73,554	75,840	74,618	81,926	74,671	81,837	77,612	370,385	8.8	3.4	390,664	8.1	4.0	
Germany	68,934	68,884	68,987	70,704	68,904	74,695	70,520	80,588	78,795	346,413	8.3	0.0	373,502	7.8	14.4	
China	19,393	24,101	30,055	34,621	39,762	48,421	55,311	74,033	83,529	147,932	3.5	105.0	301,056	6.3	110.1	
France	50,317	50,849	49,634	50,857	48,927	54,065	50,182	57,464	56,072	250,584	6.0	-2.8	266,710	5.6	14.6	
Countries contributing 2%-5%																
Canada	34,363	35,297	34,843	34,861	35,368	39,733	38,806	46,062	46,833	174,732	4.2	2.9	206,802	4.3	32.4	
Spain	22,001	23,111	23,315	24,841	25,731	28,067	28,373	32,706	34,672	118,999	2.8	17.0	149,549	3.1	34.7	
Australia	21,985	22,762	22,432	23,093	23,259	25,882	25,170	29,431	30,278	113,531	2.7	5.8	134,020	2.8	30.2	
India	17,105	18,298	17,173	18,780	19,724	22,224	22,336	26,957	28,726	91,080	2.2	15.3	119,967	2.5	45.6	
South Korea	10,818	12,375	13,657	16,081	17,248	21,305	22,879	28,030	28,507	70,179	1.7	59.4	117,969	2.5	65.3	
Countries contributing up to 2%																
Brazil	9,047	10,257	10,661	11,702	13,038	14,430	15,151	17,894	19,501	54,705	1.3	44.1	80,014	1.7	49.6	
Mexico	5,853	6,495	6,600	6,976	7,184	8,111	8,272	9,429	9,329	33,058	0.8	22.7	42,325	0.9	29.9	
Argentina	3,932	4,262	4,522	4,634	4,904	5,007	4,638	5,522	5,475	22,254	0.5	24.7	25,546	0.5	11.6	
Chile	1,685	1,865	1,974	2,196	2,405	2,831	2,619	3,288	3,332	10,125	0.2	42.7	14,475	0.3	38.5	

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

Note: This table was constructed on the basis of the number of publications resulting from searches by country name and year of publication. The searches in question covered more parameters and were performed at a later date than the collection of data on Brazilian publications in 1998-2006, used in most of the Detailed Tables. Detailed Table 4.3 permits a comparison between Brazilian publications and those of other countries, but owing to methodological differences the numbers it displays do not coincide with those of other Detailed Tables.

(1) As a percentage of the total.

(2) Growth in the last year of the period compared with the first.

Detailed Table 4.4
Brazilian SCIE- and SSCI-indexed publications by region and state – Brazil, 1998-2006

Region/state	Brazilian SCIE- and SSCI-indexed publications														
	Absolute numbers						1998 - 2002			2002 - 2006					
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Total Brazil	9,148	10,244	11,164	11,775	13,180	13,898	16,304	17,322	18,915	55,511	100.0	44.1	79,619	100.0	43.5
Southeast region	6,959	7,697	8,435	8,918	9,953	10,505	12,202	12,746	13,946	41,962	75.6	43.0	59,352	74.5	40.1
São Paulo State	4,480	5,072	5,500	5,901	6,764	7,194	8,341	8,720	9,564	27,717	49.9	51.0	40,583	51.0	41.4
Rio de Janeiro State	1,860	1,977	2,251	2,360	2,503	2,510	3,099	3,030	3,217	10,951	19.7	34.6	14,359	18.0	28.5
Minas Gerais State	1,027	1,144	1,183	1,224	1,315	1,428	1,573	1,881	2,222	5,893	10.6	28.0	8,419	10.6	69.0
Espírito Santo State	63	79	90	98	79	96	127	128	159	409	0.7	25.4	589	0.7	101.3
South region	1,377	1,653	1,846	2,081	2,311	2,572	2,981	3,385	3,840	9,268	16.7	67.8	15,089	19.0	66.2
Rio Grande do Sul State	684	827	910	1,093	1,242	1,387	1,590	1,785	2,080	4,756	8.6	81.6	8,084	10.2	67.5
Paraná State	448	566	640	710	756	897	986	1,132	1,272	3,120	5.6	68.8	5,043	6.3	68.3
Santa Catarina State	296	330	369	366	417	435	552	668	704	1,778	3.2	40.9	2,776	3.5	68.8
Northeast region	966	1,125	1,235	1,318	1,469	1,571	2,005	2,231	2,473	6,113	11.0	52.1	9,749	12.2	68.3
Pernambuco State	354	396	459	463	467	536	653	723	778	2,139	3.9	31.9	3,157	4.0	66.6
Bahia State	170	185	200	251	291	260	408	502	538	1,097	2.0	71.2	1,999	2.5	84.9
Ceará State	185	208	220	225	265	274	404	443	474	1,103	2.0	43.2	1,860	2.3	78.9
Rio Grande do Norte State	110	163	181	179	199	207	251	295	333	832	1.5	80.9	1,285	1.6	67.3
Paraíba State	98	129	147	146	194	225	232	257	284	714	1.3	98.0	1,192	1.5	46.4
Alagoas State	41	37	30	46	53	54	80	67	90	207	0.4	29.3	344	0.4	69.8
Maranhão State	32	27	20	30	38	76	57	73	96	147	0.3	18.8	340	0.4	152.6
Sergipe State	27	23	38	34	49	37	79	57	80	171	0.3	81.5	302	0.4	63.3
Piauí State	29	43	33	36	27	44	36	52	65	168	0.3	-6.9	224	0.3	140.7

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Detailed Table 4.4 (continued)
Brazilian SCIE- and SSCI-indexed publications by region and state – Brazil, 1998-2006

Region/state	Brazilian SCIE- and SSCI-indexed publications														
	Absolute numbers										2002 - 2006				
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)			
Central West region	423	517	549	556	646	737	852	975	1,063	2,691	4.8	52.7	4,273	5.4	64.6
Federal District	267	326	329	351	410	487	547	588	599	1,683	3.0	53.6	2,631	3.3	46.1
Goiás State	96	119	132	125	131	174	214	260	274	603	1.1	36.5	1,053	1.3	109.2
Mato Grosso do Sul State	51	60	85	68	90	82	96	123	166	354	0.6	76.5	557	0.7	84.4
Mato Grosso State	18	24	20	26	45	38	52	81	85	133	0.2	150.0	301	0.4	88.9
North region	231	258	264	287	337	359	447	499	547	1,377	2.5	45.9	2,189	2.7	62.3
Pará State	125	139	160	130	176	187	239	274	302	730	1.3	40.8	1,178	1.5	71.6
Amazonas State	94	107	102	97	136	127	168	173	170	536	1.0	44.7	774	1.0	25.0
Roraima State	8	16	21	16	22	16	17	14	16	83	0.1	175.0	85	0.1	-27.3
Tocantins State	3	5	3	10	1	10	23	25	36	22	0.0	-66.7	95	0.1	3500.0
Acre State	4	5	4	3	10	20	9	14	15	26	0.0	150.0	68	0.1	50.0
Rondônia State	3	3	4	4	3	10	10	14	13	17	0.0	0.0	50	0.1	333.3
Amapá State	0	1	4	2	2	3	1	6	9	9	0.0	...	21	0.0	350.0

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

Note: Totals calculated without repetitions due to co-authorship. The total number of publications in a region may not correspond to the sum of the publications for all the states in that region because of co-authors from more than one state in the region. The total number of publications for Brazil may not correspond to the sum of the publications for all regions because of co-authors from states in different regions.

(1) As a percentage of the total for Brazil.

(2) Growth in the last year of the period compared with the first.

Detailed Table 4.5
Publications quantified in *Essential Science Indicators* by knowledge area – Brazil & world, 1998-2006

Knowledge area	Publications quantified in <i>Essential Science Indicators</i>					
	1998 - 2002			2002 - 2006		
	Publications (abs. nos.)		Brazilian contribution (%) (1)	Publications (abs. nos.)		Brazilian contribution (%) (1)
World	Brazilian	World		Brazilian		
All areas	3,915,934	53,649	1.4	4,449,880	77,876	1.8
Medicine	842,144	7,873	0.9	914,732	12,664	1.4
Physics	386,725	8,815	2.3	432,865	10,169	2.3
Chemistry	467,753	6,445	1.4	541,099	8,983	1.7
Botany & zoology	226,233	5,804	2.6	248,457	9,006	3.6
Biology & biochemistry	251,261	3,260	1.3	261,615	4,850	1.9
Engineering	312,320	3,275	1.0	364,652	4,927	1.4
Neuroscience & behavior	126,833	2,120	1.7	137,895	3,150	2.3
Agrarian sciences	70,707	2,111	3.0	83,591	2,874	3.4
Materials science	165,664	1,968	1.2	204,906	2,885	1.4
Ecology	93,445	1,359	1.5	115,340	2,550	2.2
Microbiology	66,209	1,473	2.2	73,304	1,993	2.7
Mathematics	97,723	1,399	1.4	109,912	1,938	1.8
Pharmacology & toxicology	70,589	1,158	1.6	79,821	1,833	2.3
Molecular biology & genetics	114,065	1,461	1.3	125,466	1,801	1.4
Computer science	76,650	669	0.9	153,120	1,912	1.2
Geosciences	105,811	1,213	1.1	125,042	1,810	1.4
Social sciences	163,411	974	0.6	181,110	1,389	0.8
Immunology	56,667	727	1.3	56,921	1,087	1.9
Space sciences	51,456	1,000	1.9	58,015	1,207	2.1
Psychiatry & psychology	96,353	299	0.3	106,142	518	0.5
Multidisciplinary	10,038	54	0.5	7,999	78	1.0
Economics	63,877	192	0.3	67,876	252	0.4

Source: Thomson Reuters (2008). *Essential Science Indicators*.

(1) As a percentage of total world publications in the respective knowledge area.

Detailed Table 4.6
Brazilian SCIE- and SSCI-indexed publications by knowledge area - Brazil, 1998-2006

Knowledge area	Brazilian SCIE- and SSCI-indexed publications																
	Absolute numbers										1998 - 2002			2002 - 2006			
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)		
Total	9,148	10,244	11,164	11,775	13,180	13,898	16,304	17,322	18,915	55,511	100.0	44.1	79,619	100.0	43.5		
Biology & biochemistry	557	543	663	650	789	893	1,004	1,071	1,104	3,202	5.8	41.7	4,861	6.1	39.9		
Molecular biology & genetics	265	289	359	277	312	360	358	364	444	1,502	2.7	17.7	1,838	2.3	42.3		
Botany & zoology	1,013	1,075	1,184	1,265	1,336	1,393	1,675	1,998	2,325	5,873	10.6	31.9	8,727	11.0	74.0		
Computer science	110	133	174	149	167	299	454	426	398	733	1.3	51.8	1,744	2.2	138.3		
Materials science	254	413	350	469	451	589	563	690	594	1,937	3.5	77.6	2,887	3.6	31.7		
Agrarian sciences	384	445	458	367	485	492	569	660	738	2,139	3.9	26.3	2,944	3.7	52.2		
Space sciences	186	194	223	177	202	194	243	221	233	982	1.8	8.6	1,093	1.4	15.3		
Social sciences	183	168	223	214	223	225	334	331	373	1,011	1.8	21.9	1,486	1.9	67.3		
Ecology	216	213	279	312	344	463	540	583	631	1,364	2.5	59.3	2,561	3.2	83.4		
Economics	30	46	33	40	41	42	65	58	59	190	0.3	36.7	265	0.3	43.9		
Engineering	525	628	685	701	822	854	1,076	1,012	1,078	3,361	6.1	56.6	4,842	6.1	31.1		
Pharmacology & toxicology	205	241	257	237	290	347	373	450	447	1,230	2.2	41.5	1,907	2.4	54.1		
Physics	1,618	1,643	1,697	1,971	2,047	1,786	2,307	2,013	2,090	8,976	16.2	26.5	10,243	12.9	2.1		
Geosciences	203	220	235	262	334	292	341	384	389	1,254	2.3	64.5	1,740	2.2	16.5		
Immunology	116	151	163	137	185	188	236	218	285	752	1.4	59.5	1,112	1.4	54.1		
Mathematics	237	246	283	297	338	372	379	396	427	1,401	2.5	42.6	1,912	2.4	26.3		

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Detailed Table 4.6 (continued)
Brazilian SCIE- and SSCI-indexed publications by knowledge area – Brazil, 1998-2006

Knowledge area	Brazilian SCIE- and SSCI-indexed publications														
	Absolute numbers										1998 - 2002		2002 - 2006		
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Medicine (3)	1,430	1,638	1,618	1,814	2,022	2,301	2,688	3,015	3,540	8,522	15.4	41.4	13,566	17.0	75.1
Microbiology	247	297	290	314	350	365	387	392	480	1,498	2.7	41.7	1,974	2.5	37.1
Multidisciplinary	47	36	102	64	72	73	102	111	127	321	0.6	53.2	485	0.6	76.4
Neuroscience & behavior	307	392	463	470	563	617	669	692	728	2,195	4.0	83.4	3,269	4.1	29.3
Psychiatry & psychology	47	50	68	62	76	73	118	171	209	303	0.5	61.7	647	0.8	175.0
Chemistry	921	1,149	1,303	1,464	1,659	1,576	1,715	1,931	2,095	6,496	11.7	80.1	8,976	11.3	26.3
Unclassified	47	34	54	62	72	104	108	136	121	269	0.5	53.2	541	0.7	68.1

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

(1) As a percentage of the total for Brazil.

(2) Growth in the last year of the period compared with the first.

(3) The number of publications in the area of medicine for the period 1998-2002 was 8,522 according to this edition and 16,283 according to the 2004 edition. This knowledge area was the most affected by the change in publication types taken into consideration by the methodology used to construct the indicators. To assure comparability with international research, this edition considers only the following types: articles, letters, notes and reviews. The previous edition also counted meeting abstracts, editorial material, bibliographical items and corrections as well as book reviews and the other types considered for this edition. For example, only 15 of the 4,282 Brazilian publications in *Journal of Dental Research* in the period 1998-2002 were considered for this edition because they were articles, while 4,266 meeting abstracts and one correction were not counted.

Detailed Table 4.7
Brazilian SCIE- and SSCI-indexed publications by institution – Brazil, 1998-2006

Institution	Brazilian SCIE- and SSCI-indexed publications														
	Absolute numbers						1998 - 2002			2002 - 2006					
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Total	9,148	10,244	11,164	11,775	13,180	13,898	16,304	17,322	18,915	55,511	100.0	44.1	79,619	100.0	43.5
USP	2,186	2,418	2,658	2,895	3,297	3,557	4,218	4,404	4,830	13,454	24.2	50.8	20,306	25.5	46.5
Unicamp	935	1,080	1,168	1,209	1,364	1,409	1,632	1,712	1,923	5,756	10.4	45.9	8,040	10.1	41.0
UF RJ	844	960	1,150	1,168	1,212	1,178	1,517	1,479	1,546	5,334	9.6	43.6	6,932	8.7	27.6
Unesp	577	641	722	808	982	1,020	1,161	1,256	1,421	3,730	6.7	70.2	5,840	7.3	44.7
UFRGS	413	513	562	660	768	828	947	1,009	1,091	2,916	5.3	86.0	4,643	5.8	42.1
UFMG	560	592	612	618	696	743	778	904	1,049	3,078	5.5	24.3	4,170	5.2	50.7
Unifesp	297	335	342	369	510	559	620	672	805	1,853	3.3	71.7	3,166	4.0	57.8
Fiocruz	279	311	333	330	394	407	493	515	626	1,647	3.0	41.2	2,435	3.1	58.9
UFSCar	276	335	387	400	446	445	521	496	493	1,844	3.3	61.6	2,401	3.0	10.5
UFSC	219	277	289	293	337	335	426	483	511	1,415	2.5	53.9	2,092	2.6	51.6
UFPR	194	231	265	266	329	372	399	448	490	1,285	2.3	69.6	2,038	2.6	48.9
Embrapa	252	324	349	271	332	410	406	406	468	1,528	2.8	31.7	2,022	2.5	41.0
UFPE	203	208	234	288	299	317	405	442	425	1,232	2.2	47.3	1,888	2.4	42.1
UnB	193	221	211	256	282	314	360	432	426	1,163	2.1	46.1	1,814	2.3	51.1
Uerj	236	222	259	266	306	272	381	324	349	1,289	2.3	29.7	1,632	2.0	14.1
UFV	189	201	208	253	217	266	280	354	435	1,068	1.9	14.8	1,552	1.9	100.5
UFF	241	229	232	276	266	236	343	314	377	1,244	2.2	10.4	1,536	1.9	41.7
UFC	159	166	178	191	223	214	319	373	374	917	1.7	40.3	1,503	1.9	67.7
UEM	108	147	167	199	185	225	224	256	315	806	1.5	71.3	1,205	1.5	70.3
CBPF	186	181	191	201	198	158	221	171	186	957	1.7	6.5	934	1.2	-6.1
Other	601	652	647	558	537	633	653	872	775	2,995	5.4	-10.6	3,470	4.4	44.3

Source: Thomson Reuters (2008), SCIE & SSCI via Web of Science.

(1) As a percentage of the total for Brazil.

(2) Growth in the last year of the period compared with the first.

Detailed Table 4.8
São Paulo State's SCIE- and SSCI-indexed publications by regions and selected cities – São Paulo State, 1998-2006

Region/city	SCIE- and SSCI-indexed publications																	
	Absolute numbers										1998 - 2002				2002 - 2006			
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)			
São Paulo State	4,480	5,072	5,500	5,901	6,764	7,194	8,341	8,720	9,564	27,717	100.0	51.0	40,583	100.0	41.4			
Capital	2,322	2,532	2,791	3,068	3,426	3,729	4,320	4,553	4,995	14,139	51.0	47.5	21,023	51.8	45.8			
Interior	2,325	2,752	2,980	3,182	3,724	3,927	4,572	4,767	5,224	14,963	54.0	60.2	22,214	54.7	40.3			
Araçatuba	21	40	26	32	46	56	78	76	92	165	0.6	119.0	348	0.9	100.0			
Araçatuba	5	14	15	9	14	22	19	19	22	57	0.2	180.0	96	0.2	57.1			
Ilha Solteira	12	24	9	17	18	22	27	27	44	80	0.3	50.0	138	0.3	144.4			
Araraquara	592	740	753	852	1,032	1,029	1,126	1,138	1,223	3,969	14.3	74.3	5,548	13.7	18.5			
Araraquara	114	155	137	164	243	230	238	239	271	813	2.9	113.2	1,221	3.0	111.5			
São Carlos	502	621	649	727	838	838	947	944	1,003	3,337	12.0	66.9	4,570	11.3	19.7			
Assis	9	9	5	14	13	23	41	44	41	50	0.2	44.4	162	0.4	215.4			
Assis	5	6	3	4	2	2	7	5	6	20	0.1	-60.0	22	0.1	200.0			
Paraguape Paulista	0	0	1	2	0	0	2	0	0	3	0.0	...	2	0.0	...			
Bauru	162	141	183	164	241	258	305	326	425	891	3.2	48.8	1,555	3.8	76.3			
Bauru	41	25	36	37	51	70	88	100	120	190	0.7	24.4	429	1.1	135.3			
Botucatu	123	116	147	126	198	193	220	232	305	710	2.6	61.0	1,148	2.8	54.0			
Jauú	0	0	0	2	0	1	0	2	4	2	0.0	...	7	0.0	...			

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Detailed Table 4.8 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by regions and selected cities – São Paulo State, 1998-2006

Region/city	SCIE- and SSCI-indexed publications																		
	Absolute numbers										1998 - 2002						2002 - 2006		
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	TGrowth rate (%) (2)	
Campinas	960	1,117	1,219	1,273	1,413	1,452	1,650	1,769	1,930	5,982	21.6	47.2	8,214	20.2	36.6				
Campinas	933	1,086	1,171	1,228	1,361	1,383	1,597	1,681	1,847	5,779	20.9	45.9	7,869	19.4	35.7				
Jaguariúna	8	19	16	6	14	21	17	22	25	63	0.2	75.0	99	0.2	78.6				
Mogi Guaçu	0	1	2	4	3	0	1	3	4	10	0.0	...	11	0.0	33.3				
Paulínia	0	1	3	3	0	2	5	5	3	7	0.0	...	15	0.0	...				
Pirassununga	9	9	29	26	36	44	41	59	62	109	0.4	300.0	242	0.6	72.2				
São João da Boa Vista	2	0	0	1	1	2	2	5	5	4	0.0	-50.0	15	0.0	400.0				
Santa Bárbara d'Oeste	2	0	1	0	0	0	0	0	2	3	0.0	-100.0	2	0.0	...				
Sumaré	0	1	1	0	1	1	1	2	0	3	0.0	...	5	0.0	-100.0				
Itapetininga	0	0	4	0	1	0	2	0	1	5	0.0	...	4	0.0	0.0				
Itapetininga	0	0	2	0	1	0	2	0	0	3	0.0	...	3	0.0	-100.0				
Tatuí	0	0	1	0	0	0	0	0	0	1	0.0	...	0	0.0	...				
Southern Coast	0	2	1	2	0	1	4	4	2	5	0.0	...	11	0.0	...				
Peruíbe	0	0	0	1	0	0	0	0	0	1	0.0	...	0	0.0	...				
Registro	0	2	1	1	0	0	4	4	2	4	0.0	...	10	0.0	...				

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Detailed Table 4.8 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by regions and selected cities – São Paulo State, 1998-2006

Region/city	SCIE- and SSCI-indexed publications														
	1998 - 2002							2002 - 2006							
	Absolute numbers							Absolute numbers							
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2006	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
São Paulo Macrometropolitan-Region	22	29	22	41	36	30	67	57	69	150	0.5	63.6	259	0.6	91.7
Araçoiaba da Serra	0	0	0	2	0	0	0	0	0	2	0.0	....	0	0.0	....
Bragança Paulista	8	12	12	21	10	17	20	19	20	63	0.2	25.0	86	0.2	100.0
Iperó	0	1	0	1	1	0	1	0	1	3	0.0	....	3	0.0	0.0
Itatiba	9	8	5	7	12	5	26	14	11	41	0.1	33.3	68	0.2	-8.3
Itu	1	0	0	0	1	1	0	0	0	2	0.0	0.0	2	0.0	-100.0
Jundiaí	1	2	0	5	4	1	1	5	8	12	0.0	300.0	19	0.0	100.0
Piedade	0	0	1	1	0	2	0	0	0	2	0.0	....	2	0.0	....
Salto	0	1	0	0	0	0	0	0	0	1	0.0	....	0	0.0	....
Sorocaba	3	5	3	5	9	5	19	17	25	25	0.1	200.0	75	0.2	177.8
Marília	5	4	8	11	14	11	13	17	13	42	0.2	180.0	68	0.2	-7.1
Bastos	0	0	1	0	0	0	0	1	0	1	0.0	....	1	0.0	....
Garça	0	0	1	0	0	0	1	1	0	1	0.0	....	2	0.0	....
Marília	5	4	5	11	13	11	12	15	12	38	0.1	160.0	63	0.2	-7.7
Oriente	0	0	1	0	1	0	0	0	0	2	0.0	1	0.0	-100.0

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Detailed Table 4.8 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by regions and selected cities - São Paulo State, 1998-2006

Region/city	SCIE- and SSCI-indexed publications														
	Absolute numbers							1998 - 2002				2002 - 2006			
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Metropolitan São Paulo	2,332	2,546	2,815	3,087	3,462	3,759	4,376	4,610	5,050	14,242	51.4	48.5	21,257	52.4	45.9
Cubatão	1	0	0	1	1	1	2	2	6	3	0.0	0.0	12	0.0	500.0
Diadema	3	0	1	0	0	0	0	1	1	4	0.0	-100.0	2	0.0	...
Guarujá	1	0	0	0	0	0	1	1	0	1	0.0	-100.0	2	0.0	...
Mogi das Cruzes	4	11	12	16	32	35	39	33	26	75	0.3	700.0	165	0.4	-18.8
São Bernardo do Campo	1	2	2	3	2	3	6	20	15	10	0.0	100.0	46	0.1	650.0
São Caetano do Sul	0	5	4	4	5	7	8	8	6	18	0.1	...	34	0.1	20.0
São Paulo	2,322	2,532	2,791	3,068	3,426	3,729	4,320	4,553	4,995	14,139	51.0	47.5	21,023	51.8	45.8
São Vicente	0	0	0	2	0	1	5	18	11	2	0.0	...	35	0.1	...
Santana do Parnaíba	0	0	1	0	0	0	0	0	0	1	0.0	...	0	0.0	...
Santos	4	3	8	9	10	11	25	22	40	34	0.1	150.0	108	0.3	300.0
Piracicaba	115	126	181	164	221	292	398	410	458	807	2.9	92.2	1,779	4.4	107.2
Cordeirópolis	2	3	4	2	6	15	12	2	8	17	0.1	200.0	43	0.1	33.3
Limeira	0	0	0	2	0	1	2	3	5	2	0.0	...	11	0.0	...
Piracicaba	111	123	178	157	214	277	381	396	440	783	2.8	92.8	1,708	4.2	105.6
Rio Claro	49	51	77	76	82	114	131	151	146	335	1.2	67.3	624	1.5	78.0
Presidente Prudente	4	2	4	5	13	29	24	35	43	28	0.1	225.0	144	0.4	230.8
Presidente Prudente	4	2	3	5	13	28	23	32	39	27	0.1	225.0	135	0.3	200.0
Teodoro Sampaio	0	0	1	3	0	0	0	1	0	4	0.0	...	1	0.0	...

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Detailed Table 4.8 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by regions and selected cities – São Paulo State, 1998-2006

Region/city	SCIE- and SSCI-indexed publications														
	Absolute numbers						1998 - 2002			2002 - 2006					
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Ribeirão Preto	342	422	446	488	554	615	773	803	893	2,252	8.1	62.0	3,638	9.0	61.2
Barretos	0	2	7	3	2	1	1	2	5	14	0.1	...	11	0.0	150.0
Collina	3	2	0	2	0	0	1	5	4	7	0.0	-100.0	10	0.0	...
Franca	0	7	7	8	6	16	15	15	16	28	0.1	...	68	0.2	166.7
Jaboticabal	55	62	82	107	95	99	162	147	151	401	1.4	72.7	654	1.6	58.9
Pitangueiras	0	1	1	0	0	0	0	0	0	2	0.0	...	0	0.0	...
Ribeirão Preto	291	358	361	378	465	516	615	653	736	1,853	6.7	59.8	2,985	7.4	58.3
Sertãozinho	0	2	2	8	5	3	4	9	10	17	0.1	...	31	0.1	100.0
São José do Rio Preto	35	42	40	60	80	80	85	90	136	257	0.9	128.6	471	1.2	70.0
Catanduva	1	0	0	0	1	0	2	2	1	2	0.0	0.0	6	0.0	0.0
Guapiaçu	0	0	0	1	0	0	0	0	0	1	0.0	...	0	0.0	...
Jales	0	1	1	0	0	1	0	0	1	2	0.0	...	2	0.0	...
José Bonifácio	0	1	0	1	0	0	0	0	0	2	0.0	...	0	0.0	...
Pindorama	0	0	2	0	0	0	1	0	2	2	0.0	...	3	0.0	...
São José do Rio Preto	33	39	36	55	77	79	81	83	131	240	0.9	133.3	451	1.1	70.1
Santa Fé do Sul	0	0	0	0	1	0	0	0	0	1	0.0	...	1	0.0	-100.0
Votuporanga	1	1	4	4	1	0	1	4	2	11	0.0	0.0	8	0.0	100.0

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Detailed Table 4.8 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by regions and selected cities – São Paulo State, 1998-2006

Region/city	SCIE- and SSCI-indexed publications														
	Absolute numbers							1998 - 2002				2002 - 2006			
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Vale do Paraíba	184	224	237	275	363	386	450	463	473	1 283	4.6	97.3	2 135	5.3	30.3
Cachoeira Paulista	12	16	17	5	18	12	18	15	18	68	0.2	50.0	81	0.2	0.0
Guaratinguetá	10	17	24	22	30	30	21	37	41	103	0.4	200.0	159	0.4	36.7
Lorena	24	39	44	55	44	59	72	70	69	206	0.7	83.3	314	0.8	56.8
Pindamonhangaba	1	0	0	1	0	0	0	2	5	2	0.0	-100.0	7	0.0	...
São José dos Campos	133	154	155	199	268	291	341	341	347	909	3.3	101.5	1 588	3.9	29.5
São Sebastião	1	2	4	6	3	2	8	8	6	16	0.1	200.0	27	0.1	100.0
Taubaté	7	5	2	5	15	11	20	16	16	34	0.1	114.3	78	0.2	6.7
Ubatuba	1	1	1	0	0	0	1	3	3	3	0.0	-100.0	7	0.0	...
Unidentified	108	115	121	103	126	129	163	182	189	573	2.1	16.7	789	1.9	50.0

Source: Thomson Reuters (2008), SCIE & SSCI via Web of Science.

Notes: 1. This table is based on IBGE's classification of cities and mesoregions...

2. Totals calculated without repetitions due to co-authorship. The total number of publications in a region may not correspond to the sum of the publications for all the cities in that region because of co-authors from more than one city in the region. The total number of publications for the state may not correspond to the sum of the publications for all regions because of co-authors from cities in different regions.

(1) As a percentage of the total for São Paulo State.

(2) Growth in the last year of the period compared with the first.

Detailed Table 4.9
Brazilian SCIE- and SSCI-indexed publications by selected cities – Brazil, 1998-2006

City	Brazilian SCIE- and SSCI-indexed publications																	
	Absolute numbers										1998 - 2002				2002 - 2006			
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)			
Brazil	9,148	10,244	11,164	11,775	13,180	13,898	16,304	17,322	18,915	55,511	100.0	44.1	79,619	100.0	43.5			
São Paulo	2,322	2,532	2,791	3,068	3,426	3,729	4,320	4,553	4,995	14,139	25.5	47.5	21,023	26.4	45.8			
Rio de Janeiro	1,628	1,755	2,026	2,111	2,265	2,236	2,760	2,698	2,858	9,785	17.6	39.1	12,817	16.1	26.2			
Campinas	933	1,086	1,171	1,228	1,361	1,383	1,597	1,681	1,847	5,779	10.4	45.9	7,869	9.9	35.7			
Porto Alegre	481	611	647	777	882	963	1,128	1,188	1,362	3,398	6.1	83.4	5,523	6.9	54.4			
Belo Horizonte	615	667	693	689	779	819	880	1,013	1,188	3,443	6.2	26.7	4,679	5.9	52.5			
São Carlos	502	621	649	727	838	838	947	944	1,003	3,337	6.0	66.9	4,570	5.7	19.7			
Ribeirão Preto	291	358	361	378	465	516	615	653	736	1,853	3.3	59.8	2,985	3.7	58.3			
Brasília	266	326	329	351	410	487	545	583	596	1,682	3.0	54.1	2,621	3.3	45.4			
Recife	250	266	304	349	350	394	492	529	553	1,519	2.7	40.0	2,318	2.9	58.0			
Florianópolis	224	279	287	297	345	339	440	497	530	1,432	2.6	54.0	2,151	2.7	53.6			
Vitosa	190	204	208	256	221	264	280	354	436	1,079	1.9	16.3	1,555	2.0	97.3			
Piracicaba	111	123	178	157	214	277	381	396	440	783	1.4	92.8	1,708	2.1	105.6			
São José dos Campos	133	154	155	199	268	291	341	341	347	909	1.6	101.5	1,588	2.0	29.5			
Salvador	140	151	147	191	218	206	298	371	359	847	1.5	55.7	1,452	1.8	64.7			
Niterói	197	196	199	223	227	181	272	263	307	1,042	1.9	15.2	1,250	1.6	35.2			
Araraquara	114	155	137	164	243	230	238	239	271	813	1.5	113.2	1,221	1.5	111.5			
Santa Maria	96	113	113	150	192	225	227	274	332	664	1.2	100.0	1,250	1.6	72.9			
Botucatu	123	116	147	126	198	193	220	232	305	710	1.3	61.0	1,148	1.4	54.0			
Natal	65	116	122	131	136	151	186	222	222	570	1.0	109.2	917	1.2	63.2			

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Detailed Table 4.9 (continued)
Brazilian SCIE- and SSCI-indexed publications by selected cities – Brazil, 1998-2006

City	Brazilian SCIE- and SSCI-indexed publications														
	Absolute numbers						1998 - 2002			2002 - 2006			2002 - 2006		
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Goiânia	78	89	88	94	89	128	160	208	215	438	0.8	14.1	800	1.0	141.6
Uberlândia	62	85	83	81	86	125	139	169	194	397	0.7	38.7	713	0.9	125.6
Londrina	64	65	91	88	97	129	145	137	178	405	0.7	51.6	686	0.9	83.5
Jaboticabal	55	62	82	107	95	99	162	147	151	401	0.7	72.7	654	0.8	58.9
Rio Claro	49	51	77	76	82	114	131	151	146	335	0.6	67.3	624	0.8	78.0
Pelotas	44	45	53	78	73	112	109	129	159	293	0.5	65.9	582	0.7	117.8
Juiz de Fora	41	60	62	83	70	79	78	109	140	316	0.6	70.7	476	0.6	100.0
Vitória	53	66	72	78	66	71	97	93	120	335	0.6	24.5	447	0.6	81.8
São José do Rio Preto	33	39	36	55	77	79	81	83	131	240	0.4	133.3	451	0.6	70.1
Campo Grande	30	40	62	46	68	56	65	83	103	246	0.4	126.7	375	0.5	51.5

Source: Thomson Reuters (2008), SCIE & SSCI via Web of Science.

(1) As a percentage of the total for Brazil

(2) Growth in the last year of the period compared with the first.

Detailed Table 4.10
São Paulo State's SCIE- and SSCI-indexed publications by institution – São Paulo State, 1998-2006

Instituição	São Paulo State's SCIE- and SSCI-indexed publications															
	Absolute numbers										1998 - 2002			2002 - 2006		
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
São Paulo State	4,480	5,072	5,500	5,901	6,764	7,194	8,341	8,720	9,564	27,717	100.0	51.0	40,583	100.0	41.4	
Public universities & colleges	3,928	4,389	4,831	5,154	5,934	6,296	7,303	7,613	8,448	24,236	87.4	51.1	35,594	87.7	42.4	
USP – Universidade de São Paulo	2,186	2,418	2,658	2,895	3,297	3,557	4,218	4,404	4,830	13,454	48.5	50.8	20,306	50.0	46.5	
Unicamp – Universidade Estadual de Campinas	935	1,080	1,168	1,209	1,364	1,409	1,632	1,712	1,923	5,756	20.8	45.9	8,040	19.8	41.0	
Unesp – Universidade Estadual Paulista	577	641	722	808	982	1,020	1,161	1,256	1,421	3,730	13.5	70.2	5,840	14.4	44.7	
Unifesp – Universidade Federal de São Paulo	297	335	342	369	510	559	620	672	805	1,853	6.7	71.7	3,166	7.8	57.8	
UFSCar – Universidade Federal de São Carlos	276	335	387	400	446	445	521	496	493	1,844	6.7	61.6	2,401	5.9	10.5	
Famerp – Faculdade de Medicina de São José do Rio Preto	7	10	14	21	23	17	27	32	42	75	0.3	228.6	141	0.3	82.6	
Famema – Faculdade de Medicina de Marília	3	2	4	4	4	7	13	10	9	17	0.1	33.3	43	0.1	125.0	
Ceetesp – Centro Paula Souza	0	1	3	3	1	10	6	5	5	8	0.0	...	27	0.1	400.0	
UFABC – Universidade Federal do ABC	-	-	-	-	-	-	-	-	1	0	0.0	...	1	0.0	...	
Public research institutions	442	503	507	609	706	808	890	994	1,002	2,767	10.0	59.7	4,400	10.8	41.9	
INPE – Instituto Nacional de Pesquisas Espaciais	114	129	112	124	193	199	239	247	226	672	2.4	69.3	1,104	2.7	17.1	
CTA – Comando Geral de Tecnologia Aeroespacial	45	61	58	80	97	107	119	114	118	341	1.2	115.6	555	1.4	21.6	
Instituto Butantan	50	61	59	78	77	93	110	135	140	325	1.2	54.0	555	1.4	81.8	
APTA – Agência Paulista de Tecnologia dos Agronegócios (3)	48	53	61	50	56	85	96	115	118	268	1.0	16.7	470	1.2	110.7	
IPEN – Instituto de Pesquisas Energéticas e Nucleares	34	50	41	72	63	93	103	99	98	260	0.9	85.3	456	1.1	55.6	
LNLS – Laboratório Nacional de Luz Síncrotron	15	34	34	69	66	56	70	82	85	218	0.8	340.0	359	0.9	28.8	
Embrapa – Empresa Brasileira de Pesquisa Agropecuária (4)	18	32	35	32	47	55	62	66	60	164	0.6	161.1	290	0.7	27.7	
IAL – Instituto Adolfo Lutz	47	36	40	33	47	48	49	65	77	203	0.7	0.0	286	0.7	63.8	
IAC – Instituto Agrônômico	25	23	32	12	28	37	48	41	43	120	0.4	12.0	197	0.5	53.6	

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Detailed Table 4.10 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by institution – São Paulo State, 1998-2006

Institution	São Paulo State's SCIE- and SSCI-indexed publications														
	Absolute numbers						1998 - 2002			2002 - 2006					
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
IBOT – Instituto de Botânica de São Paulo	20	17	28	23	19	28	26	37	32	107	0.4	-5.0	142	0.3	68.4
Instituto Pasteur	24	16	22	17	21	22	21	25	23	100	0.4	-12.5	112	0.3	9.5
Instituto Biológico	14	11	15	11	11	26	15	28	30	62	0.2	-21.4	110	0.3	172.7
Embrapa Instrumentação Agropecuária – São Carlos	8	9	11	12	16	23	21	19	20	56	0.2	100.0	99	0.2	25.0
IPT – Instituto de Pesquisas Tecnológicas	6	28	14	20	17	18	22	22	19	85	0.3	183.3	98	0.2	11.8
Embrapa Pecuária Sudeste – São Carlos	5	16	13	14	16	12	20	24	17	64	0.2	220.0	89	0.2	6.3
Embrapa Meio Ambiente – Jaguariúna	3	8	11	5	11	12	11	18	19	38	0.1	266.7	71	0.2	72.7
IER – Instituto de Infectologia Emílio Ribas	10	8	11	7	10	11	14	17	19	46	0.2	0.0	71	0.2	90.0
IZ – Instituto de Zootecnia	3	6	7	14	5	8	9	18	12	35	0.1	66.7	52	0.1	140.0
Ital – Instituto de Tecnologia de Alimentos	4	12	5	9	7	12	10	12	10	37	0.1	75.0	51	0.1	42.9
Sucen – Superintendência do Controle de Endemias	7	6	6	8	15	7	5	9	7	42	0.2	114.3	43	0.1	-53.3
HSPE FMO – Hospital do Servidor Público Estadual de São Paulo	11	11	9	10	8	8	6	7	11	49	0.2	-27.3	40	0.1	37.5
FAPESP – Fundação de Amparo à Pesquisa do Estado de São Paulo (5)	3	0	2	12	8	10	5	5	5	25	0.1	166.7	33	0.1	-37.5
CentPRA – Centro de Pesquisas Renato Archer	1	0	0	0	2	6	3	3	10	3	0.0	100.0	24	0.1	400.0
ILSL – Instituto Lauro de Souza Lima	3	1	2	3	4	2	4	8	4	13	0.0	33.3	22	0.1	0.0
Embrapa Informática Agropecuária – Campinas	1	0	0	1	2	3	8	0	5	4	0.0	100.0	18	0.0	150.0
Instituto de Pesca	2	1	2	0	5	0	4	0	5	10	0.0	150.0	14	0.0	0.0
Embrapa São Carlos	2	0	0	0	1	2	2	4	1	3	0.0	-50.0	10	0.0	0.0
CTMSP – Centro Tecnológico da Marinha em São Paulo	1	3	1	2	1	1	3	3	2	8	0.0	0.0	10	0.0	100.0
Embrapa Campinas	0	0	0	0	1	3	1	2	1	1	0.0	...	8	0.0	0.0
IS – Instituto de Saúde de São Paulo	1	1	2	1	0	1	3	0	4	5	0.0	-100.0	8	0.0	...

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Detailed Table 4.10 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by institution – São Paulo State, 1998-2006

Instituição	São Paulo State's SCIE- and SSCI-indexed publications													
	1998 - 2002						2002 - 2006							
	Absolute numbers						Absolute numbers							
1998	1999	2000	2001	2002	2003	2004	2005	2006	2006	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Instituto Florestal	0	0	0	0	0	1	2	0	0	0.0	...	3	0.0	...
Embrapa Monitoramento por Satélite – Campinas	0	0	0	0	1	1	0	0	0	0.0	...	2	0.0	...
Fosp – Fundação Oncocentro de São Paulo	1	0	0	1	1	0	0	0	3	0.0	0.0	2	0.0	-100.0
Instituto Geológico	1	0	0	0	1	0	0	1	2	0.0	0.0	2	0.0	0.0
IEA – Instituto de Economia Agrícola	0	0	0	0	0	0	0	1	0	0.0	...	1	0.0	...
Universidades ou faculdades privadas	78	119	170	209	250	306	378	399	437	3.0	220.5	1,770	4.4	74.8
UMC – Universidade de Mogi das Cruzes	5	10	17	20	40	52	58	42	30	0.3	700.0	222	0.5	-25.0
Univap – Universidade do Vale do Paraíba	4	8	13	20	22	42	41	51	50	0.2	450.0	206	0.5	127.3
USF – Universidade São Francisco	22	24	31	36	23	21	43	37	41	0.5	4.5	165	0.4	78.3
Mackenzie – Universidade Presbiteriana Mackenzie	2	7	7	13	17	21	17	44	62	0.2	750.0	161	0.4	264.7
Unaerp – Universidade de Ribeirão Preto	7	9	16	19	22	30	34	29	23	0.3	214.3	138	0.3	4.5
Unisa – Universidade de Santo Amaro	3	7	10	17	22	22	27	16	17	0.2	633.3	104	0.3	-22.7
PUCAMP – Pontifícia Universidade Católica de Campinas	6	9	12	24	13	18	22	17	16	0.2	116.7	86	0.2	23.1
Unimep – Universidade Metodista de Piracicaba	5	5	8	0	10	10	18	13	25	0.1	100.0	76	0.2	150.0
Unifran – Universidade de Franca	1	8	7	8	7	17	12	18	17	0.1	600.0	71	0.2	142.9
Unip – Universidade Paulista	2	11	8	10	10	9	11	14	18	0.1	400.0	62	0.2	80.0
USC – Universidade do Sagrado Coração	3	1	1	5	8	6	8	15	17	0.1	166.7	54	0.1	112.5
PUCSP – Pontifícia Universidade Católica de São Paulo	10	4	11	8	4	10	21	6	11	0.1	-60.0	52	0.1	175.0
Unicid – Universidade Cruzeiro do Sul	0	1	0	1	3	7	10	15	15	0.0	...	50	0.1	400.0
Unisantos – Universidade Católica de Santos	0	0	1	0	2	4	13	8	22	0.0	...	49	0.1	1000.0
Uniban – Universidade Bandeirante	1	4	9	4	12	10	13	6	8	0.1	1100.0	49	0.1	-33.3

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Detailed Table 4.10 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by institution – São Paulo State, 1998-2006

Instituição	São Paulo State's SCIE- and SSCI-indexed publications																
	Absolute numbers										1998 - 2002			2002 - 2006			
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	
UNG – Universidade de Guarulhos	0	0	1	1	3	5	8	18	12	5	0.0	...	46	0.1	300.0		
USJT – Universidade São Judas Tadeu	0	1	5	2	7	4	4	10	10	15	0.1	...	35	0.1	42.9		
Unimar – Universidade de Marília	4	2	4	12	6	7	6	5	3	28	0.1	50.0	27	0.1	-50.0		
Unicastelo – Universidade Camilo Castelo Branco	1	3	2	3	3	7	7	4	5	12	0.0	200.0	26	0.1	66.7		
Unicid – Universidade Cidade de São Paulo	0	0	0	2	5	3	4	6	5	7	0.0	...	23	0.1	0.0		
UBC – Universidade Braz Cubas	0	2	4	3	3	5	2	3	4	12	0.0	...	17	0.0	33.3		
Unoeste – Universidade do Oeste Paulista	0	1	0	1	2	1	2	3	8	4	0.0	...	16	0.0	300.0		
Unisanta – Universidade Santa Cecília	0	0	2	1	3	0	3	3	7	6	0.0	...	16	0.0	133.3		
Unimes – Universidade Metodista de Santos	2	1	1	0	1	2	4	5	2	5	0.0	-50.0	14	0.0	100.0		
Uniso – Universidade de Sorocaba	2	2	3	0	1	1	2	4	4	8	0.0	-50.0	12	0.0	300.0		
Unib – Universidade Ibirapuera	0	2	2	1	2	1	0	3	6	7	0.0	...	12	0.0	200.0		
Unesp – Universidade Metodista de São Paulo	0	0	0	3	2	1	0	3	5	5	0.0	...	11	0.0	150.0		
UniABC – Universidade do Grande ABC	0	1	0	0	0	1	2	4	3	1	0.0	...	10	0.0	...		
Uninove – Universidade Nove de Julho	0	0	0	1	0	1	2	3	4	1	0.0	...	10	0.0	...		
USM – Universidade São Marcos	1	0	0	2	1	1	2	5	1	4	0.0	0.0	10	0.0	0.0		
UAM – Universidade Anhembi Morumbi	0	0	0	0	0	0	2	4	0	0	0.0	...	6	0.0	...		
Other institutions	94	121	133	133	167	200	209	227	254	648	2.3	77.7	1,057	2.6	52.1		
Hospital A.C. Camargo	23	26	29	34	37	60	58	49	59	149	0.5	60.9	263	0.6	59.5		
FCMSCSP – Faculdade de Ciências Médicas da Santa Casa de São Paulo	19	24	30	29	32	29	39	65	68	134	0.5	68.4	233	0.6	112.5		
Hospital Albert Einstein	11	15	15	18	26	40	39	33	48	85	0.3	136.4	186	0.5	84.6		
Instituto Ludwig	18	21	35	37	37	42	31	25	37	148	0.5	105.6	172	0.4	0.0		

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Detailed Table 4.10 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by institution – São Paulo State, 1998-2006

Institution	São Paulo State's SCIE- and SSCI-indexed publications														
	Absolute numbers						1998 - 2002			2002 - 2006					
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
IDPC – Instituto Dante Pazzanese de Cardiologia	13	20	16	16	16	24	23	35	23	81	0.3	23.1	121	0.3	43.8
Instituto Fleury	2	1	5	5	11	11	12	20	14	24	0.1	450.0	68	0.2	27.3
Hospital Sírio-Libanês	2	11	9	7	13	3	13	7	15	42	0.2	550.0	51	0.1	15.4
Hospital Beneficência Portuguesa	4	5	2	4	7	6	10	11	10	22	0.1	75.0	44	0.1	42.9
Unidentified	192	252	228	264	262	244	332	329	367	1198	4.3	36.5	1534	3.8	40.1

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

Notes: 1. It was not possible to identify the institutions responsible for 2,726 publications in the period. Each Institution's contribution was calculated as a percentage of total publications for São Paulo State, which amounted to 64,176 in the period.

2. . Totals calculated without repetitions due to co-authorship. The total number of publications for public universities may not correspond to the sum of the publications for all such universities because of co-authorship. The same applies to public research institutions, private universities and other institutions.

(1) As a percentage of the total for São Paulo State.

(2) Growth in the last year of the period compared with the first.

(3) Includes publications by the following units of APTA: Instituto Agronômico, Instituto Biológico, Instituto de Zootecnia, Instituto de Tecnologia de Alimentos, Instituto de Pesca and Instituto de Economia Agrícola.

(4) Production considering only Embrapa's five units located in São Paulo State: Instrumentação Agropecuária, Pecuária Sudeste, Meio Ambiente, Monitoramento por Satélite and Informática Agropecuária.

(5) In *Web of Science* databases, the address field corresponds to the institution to which each author is affiliated. Some authors supported by FAPESP mistakenly included the agency in this field and this table therefore includes articles attributed to FAPESP.

Detailed Table 4.11
SCIE- and SSCI-indexed publications by knowledge area – Brazil & São Paulo State, 1998-2006

Knowledge area	SCIE- and SSCI-indexed publications																		
	São Paulo State (abs. nos.)								2002 - 2006										
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Brazil (abs. nos.) (A)	São Paulo State (abs. nos.) (B)	Contribution (%) (1)	Growth rate (%) (2)	Publications SP / BR	Brazil (abs. nos.) (A)	São Paulo State (abs. nos.) (B)	Contribution (%) (1)	Growth rate (%) (2)	Publications SP / BR
Total	4,480	5,072	5,500	5,901	6,764	7,194	8,341	8,720	9,564	55,511	27,717	100.0	51.0	49.9	79,619	40,383	100.0	41.4	51.0
Medicine	804	909	940	1,031	1,232	1,445	1,687	1,818	2,157	8,522	4,916	17.7	53.2	57.7	13,566	8,339	20.5	75.1	61.5
Physics	783	834	862	976	1,044	915	1,204	1,038	1,047	8,976	4,499	16.2	33.3	50.1	10,243	5,248	12.9	0.3	51.2
Chemistry	545	660	751	793	938	887	916	1,009	1,102	6,496	3,687	13.3	72.1	56.8	8,976	4,852	12.0	17.5	54.1
Botany & zoology	378	400	474	519	565	583	714	742	863	5,873	2,336	8.4	49.5	39.8	8,727	3,467	8.5	52.7	39.7
Biology & biochemistry	323	293	337	357	446	539	570	586	622	3,202	1,756	6.3	38.1	54.8	4,861	2,763	6.8	39.5	56.8
Engineering	245	299	318	327	386	406	471	473	488	3,361	1,575	5.7	57.6	46.9	4,842	2,224	5.5	26.4	45.9
Neuroscience & behavior	155	181	213	240	300	300	353	388	385	2,195	1,089	3.9	93.5	49.6	3,269	1,726	4.3	28.3	52.8
Agrarian sciences	145	141	127	147	191	214	310	325	336	751	2.7	2.7	31.7	35.1	2,944	1,376	3.4	75.9	46.7
Materials science	136	247	216	298	284	370	343	390	337	1,937	1,181	4.3	108.8	61.0	2,887	1,724	4.2	18.7	59.7
Ecology	67	83	94	119	121	160	192	232	241	1,364	484	1.7	80.6	35.5	2,561	946	2.3	99.2	36.9
Microbiology	92	115	122	139	150	147	172	178	230	1,498	618	2.2	63.0	41.3	1,974	877	2.2	53.3	44.4
Mathematics	123	118	145	148	167	157	162	192	199	1,401	701	2.5	35.8	50.0	1,912	877	2.2	19.2	45.9
Pharmacology & toxicology	96	104	130	120	140	179	190	213	241	1,230	590	2.1	45.8	48.0	1,907	963	2.4	72.1	50.5
Molecular biology & genetics	146	186	190	158	168	206	197	201	254	1,502	848	3.1	15.1	56.5	1,838	1,026	2.5	51.2	55.8
Computer science	46	55	70	44	44	88	124	149	140	733	259	0.9	-4.3	35.3	1,744	545	1.3	218.2	31.3
Geosciences	103	106	89	111	157	142	187	190	202	1,254	566	2.0	52.4	45.1	1,740	878	2.2	28.7	50.5
Social sciences	81	76	116	89	100	107	137	133	176	1,011	462	1.7	23.5	45.7	1,486	653	1.6	76.0	43.9
Immunology	57	85	83	79	97	109	123	112	154	752	401	1.4	70.2	53.3	1,112	595	1.5	58.8	53.5
Space sciences	96	109	113	103	112	116	116	133	128	982	533	1.9	16.7	54.3	1,093	605	1.5	14.3	55.4
Psychiatry & psychology	22	25	35	36	39	32	62	88	104	303	157	0.6	77.3	51.8	647	325	0.8	166.7	50.2
Multidisciplinary	18	17	41	22	30	24	42	48	73	128	128	0.5	66.7	39.9	485	217	0.5	143.3	44.7
Economics	7	16	10	11	14	13	20	20	21	190	58	0.2	100.0	30.5	265	88	0.2	50.0	33.2
Unclassified	12	13	24	34	39	55	49	62	64	122	122	0.4	225.0	45.4	541	269	0.7	64.1	49.7

Source: Thomson Reuters (2008), SCIE & SSCI via Web of Science.

(1) As a percentage of the total for São Paulo State.

(2) Growth in the last year of the period compared with the first

Detailed Table 4.12
São Paulo State's SCIE- and SSCI-indexed publications by knowledge area and institution – São Paulo State, 2002-2006 (cumulative)

Institution	São Paulo State's SCIE- and SSCI-indexed publications by knowledge area																							
	Total	Biology & biochemistry	Molecular biology & genetics	Botany & zoology	Computer science	Materials science	Agrarian sciences	Space sciences	Social sciences	Ecology	Economics	Engineering	Pharmacology & toxicology	Physics	Geosciences	Immunology	Mathematics	Medicine	Microbiology	Multi-disciplinary	Neuroscience & behavior	Psychiatry & psychology	Chemistry	Unclassified
São Paulo State	40,583	2,763	1,026	3,467	545	1,724	1,376	605	653	946	88	2,224	963	5,248	878	595	877	8,339	877	217	1,726	325	4,852	269
Public universities & colleges	35,594	2,548	965	3,157	471	1,467	1,217	417	566	799	66	1,831	875	4,654	522	495	857	7,138	774	192	1,575	305	4,512	191
USP – Universidade de São Paulo	20,306	1,505	600	1,708	242	660	622	353	366	508	49	978	499	2,610	419	333	526	4,059	465	141	914	192	2,451	106
Unicamp – Universidade Estadual de Campinas	8,040	539	179	421	200	324	349	35	105	146	14	619	208	1,136	74	45	281	1,417	122	37	234	26	1,480	49
Unesp – Universidade Estadual Paulista	5,840	430	205	1,223	17	326	291	35	46	166	6	266	172	953	65	35	64	664	143	18	95	20	570	30
Unifesp – Universidade Federal de São Paulo	3,166	313	85	36	2	3	35	1	79	6	0	8	101	9	3	148	2	1,597	137	13	442	86	42	18
UFSCar – Universidade Federal de São Carlos	2,401	160	66	148	25	407	41	0	12	51	2	142	32	528	4	0	65	57	11	0	11	6	621	12
Famerp – Faculdade de Medicina de São José do Rio Preto	141	5	7	6	0	0	0	0	5	0	0	4	0	0	0	3	0	92	5	0	11	2	1	0
Famema – Faculdade de Medicina de Marília	43	0	0	4	0	0	0	0	3	0	0	3	0	0	1	0	28	2	0	2	0	0	0	0
Ceetesp – Centro Paula Souza	27	1	0	0	0	7	0	0	0	0	0	0	0	18	0	0	0	0	0	1	0	0	0	0
UFABC – Universidade Federal do ABC	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Public research institutions	4,400	266	79	385	36	282	191	196	34	146	2	383	128	694	368	123	8	420	123	29	39	4	399	65
INPE – Instituto Nacional de Pesquisas Espaciais	1,104	1	0	8	21	55	12	188	2	30	1	123	0	215	330	0	4	5	0	11	0	0	44	54
CTA – Comando Geral de Tecnologia Aeroespacial	555	1	0	2	9	100	0	10	0	8	1	118	0	204	19	0	4	4	0	1	0	1	68	5
Instituto Butantan	555	133	29	82	0	0	1	0	1	3	0	2	90	0	0	62	0	82	27	4	23	1	14	1
IPEN – Instituto de Pesquisas Energéticas e Nucleares	456	14	1	3	1	86	5	0	0	11	0	42	6	145	17	1	0	33	1	0	2	0	87	1
APTA – Agência Paulista de Tecnologia dos Agronegócios	470	22	25	171	0	3	125	0	1	52	0	11	9	0	1	1	0	11	21	2	1	0	11	3
IAC – Instituto Agrônômico	197	7	15	46	0	1	61	0	0	39	0	8	4	0	1	0	0	0	6	2	0	0	7	0

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Detailed Table 4.12 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by knowledge area and institution – São Paulo State, 2002-2006 (cumulative)

Institution	São Paulo State's SCIE- and SSCI-indexed publications by knowledge area																								
	Total	Biology & biochemistry	Molecular biology & genetics	Botany & zoology	Computer science	Materials science	Agrarian sciences	Space sciences	Social sciences	Ecology	Economics	Engineering	Pharmacology & toxicology	Physics	Geosciences	Immunology	Mathematics	Medicine	Microbiology	Multidisciplinary	Neuroscience & behavior	Psychiatry & psychology	Chemistry	Unclassified	
Instituto Biológico	110	10	1	53	0	2	8	0	1	10	0	0	5	0	0	1	0	7	6	0	1	0	3	2	
IZ – Instituto de Zootecnia	52	0	1	45	0	0	5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ital – Instituto de Tecnologia de Alimentos	51	4	0	2	0	0	32	0	0	0	0	3	0	0	0	0	0	2	7	0	0	0	0	1	
Instituto de Pesca	14	1	3	8	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
IEA – Instituto de Economia Agrícola	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LNLS – Laboratório Nacional de Luz Síncrotron	359	50	8	2	0	25	0	2	0	0	0	33	3	146	4	1	0	2	5	2	0	0	75	1	
Embrapa – Empresa Brasileira de Pesquisa Agropecuária	290	20	9	43	6	9	71	0	1	39	0	27	0	6	4	0	0	2	2	0	0	0	50	1	
Embrapa Instrumentação Agropecuária – São Carlos	99	12	0	0	0	9	16	0	0	15	0	12	0	4	1	0	0	1	1	0	0	0	28	0	
Embrapa Pecuária Sudeste – São Carlos	89	2	7	32	0	0	20	0	0	2	0	11	0	0	0	0	0	0	0	0	0	0	15	0	
Embrapa São Carlos	10	0	0	5	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	
Embrapa Meio Ambiente – Jaguariúna	71	3	2	4	0	0	29	0	1	20	0	1	0	2	1	0	0	1	1	0	0	0	6	0	
Embrapa Informática Agropecuária – Campinas	18	3	0	0	4	0	7	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	
Embrapa Monitoramento por Satélite – Campinas	2	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Embrapa Campinas	8	0	0	1	2	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
IAL – Instituto Adolfo Lutz	286	7	3	9	1	1	18	0	8	4	0	0	6	2	0	25	0	140	45	4	0	0	12	1	
IBOT – Instituto de Botânica de São Paulo	142	12	0	62	0	0	4	0	0	9	0	0	10	0	3	0	0	5	9	0	0	0	28	0	
Instituto Pasteur	112	13	7	3	0	0	0	0	0	1	0	0	7	0	0	26	0	34	13	5	1	0	2	0	
IPT – Instituto de Pesquisas Tecnológicas	98	8	0	2	0	27	0	0	0	1	1	20	1	13	1	0	0	4	2	0	0	0	18	0	
IIER – Instituto de Infectologia Emílio Ribas	71	0	1	0	0	0	0	0	3	3	0	1	0	0	0	12	0	45	3	0	2	1	0	0	

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Detailed Table 4.12 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by knowledge area and institution – São Paulo State, 2002-2006 (cumulative)

Institution	São Paulo State's SCIE- and SSCI-indexed publications by knowledge area																								
	Total	Biology & biochemistry	Molecular biology & genetics	Botany & zoology	Computer science	Materials science	Agrarian sciences	Space sciences	Social sciences	Ecology	Economics	Engineering	Pharmacology & toxicology	Physics	Geosciences	Immunology	Mathematics	Medicine	Microbiology	Multi-disciplinary	Neuroscience & behavior	Psychiatry & psychology	Chemistry	Unclassified	
SUCEN – Superintendência do Controle de Endemias	43	1	0	3	0	0	0	0	12	0	0	0	0	0	0	0	0	26	0	0	0	0	0	1	0
HSPÉ FMO – Hospital do Servidor Público Estadual de São Paulo	40	1	0	0	0	0	0	1	0	0	0	0	0	0	0	4	0	27	0	0	0	7	0	0	0
FAPESP – Fundação de Amparo à Pesquisa do Estado de São Paulo (1)	33	4	0	11	0	0	0	0	6	0	0	1	1	0	0	0	0	3	0	0	3	1	3	0	0
CentPRA – Centro de Pesquisas Renato Archer	24	0	0	4	3	0	0	0	1	10	0	2	0	0	0	1	0	1	0	0	0	0	0	3	0
ILSL – Instituto Lauro de Souza Lima	22	1	0	2	0	0	0	0	0	0	0	0	0	0	1	0	14	2	1	1	1	0	0	0	
CTMSP – Centro Tecnológico da Marinha em São Paulo	10	0	0	0	0	0	0	1	0	6	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0
IS – Instituto de Saúde de São Paulo	8	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
Instituto Florestal	3	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
FOSP – Fundação Oncocentro de São Paulo	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
Instituto Geológico	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	
Private universities & colleges	1,770	154	44	130	32	96	20	44	30	24	2	93	87	204	25	14	1	374	48	3	98	16	216	15	
UMC – Universidade de Mogi das Cruzes	222	36	8	15	2	18	4	0	0	11	0	4	11	8	1	5	0	21	19	1	16	2	40	0	
Univap – Universidade do Vale do Paraíba	206	17	6	4	0	22	0	12	2	0	0	17	5	28	12	0	0	49	3	0	6	1	21	1	
USF – Universidade São Francisco	165	6	2	6	0	32	1	0	0	0	0	9	10	36	0	3	0	13	3	0	1	1	41	1	
Mackenzie – Universidade Presbiteriana Mackenzie	161	9	2	10	8	3	1	28	3	1	0	22	7	29	3	0	0	9	0	1	12	5	7	1	
Unaerp – Universidade de Ribeirão Preto	138	26	6	10	0	0	2	0	0	1	0	3	22	1	0	2	0	40	5	0	6	0	14	0	
Unisa – Universidade de Santo Amaro	104	6	5	5	0	0	0	0	3	4	0	3	1	31	0	0	0	41	0	0	4	0	1	0	
PUCAMP – Pontifícia Universidade Católica de Campinas	86	3	1	0	2	0	1	1	4	0	0	3	0	10	0	0	0	16	2	0	15	1	23	4	

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Detailed Table 4.12 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by knowledge area and institution – São Paulo State, 2002-2006 (cumulative)

Institution	São Paulo State's SCIE- and SSCI-indexed publications by knowledge area																							
	Total	Biology & biochemistry	Molecular biology & genetics	Botany & zoology	Computer science	Materials science	Agrarian science	Space sciences	Social sciences	Ecology	Economics	Engineering	Pharmacology & toxicology	Physics	Geosciences	Immunology	Mathematics	Medicine	Microbiology	Multi-disciplinary	Neuroscience & behavior	Psychiatry & psychology	Chemistry	Unclassified
Unimep – Universidade Metodista de Piracicaba	76	9	7	3	2	4	2	0	1	0	0	5	11	3	0	0	0	17	1	0	0	0	10	1
Unifran – Universidade de Franca	71	3	1	16	0	4	0	0	1	0	1	4	9	4	0	0	0	4	3	0	1	0	20	0
Unip – Universidade Paulista	62	3	0	7	0	2	1	1	1	2	0	4	1	2	0	1	1	15	3	0	8	0	8	2
USC – Universidade do Sagrado Coração	54	0	0	1	0	3	1	0	1	0	0	1	1	5	0	0	0	38	2	0	0	0	1	0
PUCSP – Pontifícia Universidade Católica de São Paulo	52	0	4	1	0	5	0	0	5	0	1	1	0	8	0	0	0	17	0	0	3	3	4	0
Unicusp – Universidade Cruzeiro do Sul	50	12	1	2	0	2	0	2	0	1	0	2	2	7	1	0	0	12	1	0	2	0	3	0
Unisantos – Universidade Católica de Santos	49	2	0	1	15	0	0	0	3	1	0	12	0	3	0	0	0	5	4	0	1	1	1	0
Uniban – Universidade Bandeirante	49	4	0	6	0	0	0	0	1	0	0	0	2	4	0	0	0	7	3	0	6	0	16	0
UNG – Universidade de Guarulhos	46	0	0	4	0	0	1	0	0	0	0	0	0	1	8	0	0	31	0	0	0	0	1	0
USJT – Universidade São Judas Tadeu	35	6	0	0	2	0	1	0	1	0	0	2	0	10	0	1	0	6	1	0	1	0	0	4
Unimar – Universidade de Marília	27	0	1	12	0	0	1	0	1	1	0	0	0	1	0	0	0	9	0	0	1	0	0	0
Unicastelo – Universidade Camilo Castelo Branco	26	2	8	4	0	0	0	0	0	0	0	1	1	1	0	0	0	8	0	0	1	0	1	0
Unicid – Universidade Cidade de São Paulo	23	5	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7	0	1	8	0	0	0
UBC – Universidade Braz Cubas	17	3	0	0	0	0	1	0	0	0	0	1	1	9	0	0	0	2	0	0	0	0	0	0
Unoeste – Universidade do Oeste Paulista	16	3	0	8	0	0	0	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0
Unisanta – Universidade Santa Cecília	16	1	0	8	0	0	0	0	0	0	0	1	0	0	0	0	0	5	0	0	0	0	1	0
Unimes – Universidade Metodista de Santos	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	5	0	1	0
Uniso – Universidade de Sorocaba	12	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0	1	0	0	0	3	0
Unib – Universidade Ibirapuera	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	3	0

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Detailed Table 4.12 (continued)
São Paulo State's SCIE- and SSCI-indexed publications by knowledge area and institution – São Paulo State, 2002-2006 (cumulative)

Institution	São Paulo State's SCIE- and SSCI-indexed publications by knowledge area														Total									
	Biology & biochemistry	Molecular biology & genetics	Botany & zoology	Computer science	Materials science	Agrarian sciences	Space sciences	Social sciences	Ecology	Economics	Engineering	Pharmacology & toxicology	Physics	Geosciences		Immunology	Mathematics	Medicine	Microbiology	Multi-disciplinary	Neuroscience & behavior	Psychiatry & psychology	Chemistry	Unclassified
Unesp – Universidade Metodista de São Paulo	11	1	0	2	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	3	0	0	1
UnABC – Universidade do Grande ABC	10	0	0	5	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0
Uninove – Universidade Nove de Julho	10	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4	0	0	3	0	1	0	0
USM – Universidade São Marcos	10	2	0	2	0	0	2	0	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
UAM – Universidade Anhembi Morumbi	6	0	0	4	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Other institutions	1 057	50	33	4	5	0	2	0	12	0	0	3	7	2	2	27	0	750	43	8	92	10	1	6
Hospital A.C. Camargo	263	7	4	1	2	0	0	0	0	0	0	0	0	0	0	4	0	226	4	1	8	1	1	4
FCMSCSP – Faculdade de Ciências Médicas da Santa Casa de São Paulo	233	9	3	0	0	0	1	0	7	0	0	2	2	0	1	3	0	155	5	2	35	7	0	1
Hospital Albert Einstein	186	6	4	0	1	0	1	0	1	0	0	0	3	1	0	7	0	125	6	1	27	2	0	1
Instituto Ludwig	172	19	19	3	3	0	0	0	2	0	0	0	0	0	0	18	0	70	17	4	17	0	0	0
IDPC – Instituto Dante Pazzanese	121	5	1	0	1	0	1	0	2	0	0	0	1	0	0	1	0	106	2	0	1	0	0	0
Instituto Fleury	68	6	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	47	9	0	2	0	0	0
Hospital Sírio-Libanês	51	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	46	1	1	0	0	0	0
Hospital Beneficência Portuguesa	44	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	2	0	7	0	0	0
Unidentified	1 534	66	27	121	35	62	90	16	55	78	20	78	18	150	34	19	15	450	17	7	52	9	103	12

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

(1) In *Web of Science* databases, the address field corresponds to the institution to which each author is affiliated. Some authors supported by FAPESP mistakenly included the agency in this field and this table therefore includes articles attributed to FAPESP.

Detailed Table 4.13
SCIE- and SSCI-indexed publications with international and interstate collaboration by type of collaboration – Brazil & São Paulo State, 1998-2006

Total & type of collaboration	SCIE- and SSCI-indexed publications														
	Absolute numbers													2002 - 2006	
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Total publications Brazil	9,148	10,244	11,164	11,775	13,180	13,898	16,304	17,322	18,915	55,511	100.0	44.1	79,619	100.0	43.5
International collaboration	3,149	3,349	3,773	3,846	4,357	4,382	5,036	5,254	5,681	18,474	33.3	38.4	24,710	31.0	30.4
Interstate collaboration I (3)	1,456	1,761	1,906	2,114	2,358	2,703	3,251	3,687	4,231	23,467	42.3	62.0	16,230	20.4	79.4
Total publications São Paulo State	4,480	5,072	5,500	5,901	6,764	7,194	8,341	8,720	9,564	27,717	100.0	51.0	40,583	100.0	41.4
International collaboration	1,435	1,503	1,704	1,814	2,115	2,060	2,424	2,499	2,698	8,571	30.9	47.4	10,912	39.4	27.6
Interstate collaboration I (4)	861	1,040	1,134	1,279	1,419	1,602	1,971	2,229	2,513	5,733	20.7	64.8	8,500	30.7	77.1

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

Note: Types of collaboration may overlap (a publication may have co-authors in both other states and other countries).

(1) As a percentage of the total for Brazil or São Paulo State.

(2) Growth in the last year of the period compared with the first.

(3) Co-authors affiliated to institutions in any two states.

(4) Co-authors affiliated to institutions in São Paulo and other states.

Detailed Table 4.14
SCIE- and SSCI-indexed publications by Brazilian authors with co-authors in selected countries
by contribution to world scientific production – Brazil, 1998-2006

Selected countries by contribution to world scientific production (2002-2006)	SCIE- and SSCI-indexed publications by Brazilian authors with co-authors in other countries															
	Absolute numbers											1998 - 2002		2002 - 2006		
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	
Total publications Brazil	9,148	10,244	11,164	11,775	13,180	13,898	16,304	17,322	18,915	55,511	...	44.1	79,619	...	43.5	
Total publications Brazil w/ foreign co-authors	3,149	3,349	3,773	3,846	4,357	4,382	5,036	5,254	5,681	18,474	100.0	38.4	24,710	100.0	30.4	
Countries contributing more than 5%																
USA	1,159	1,274	1,410	1,453	1,615	1,694	1,939	1,971	2,143	6,911	37.4	39.3	9,362	37.9	32.7	
U.K.	410	412	485	484	519	485	620	679	708	2,310	12.5	26.6	3,011	12.2	36.4	
Japan	113	112	113	140	169	174	202	209	234	647	3.5	49.6	988	4.0	38.5	
Germany	323	326	408	403	481	460	550	642	675	1,941	10.5	48.9	2,808	11.4	40.3	
China	45	53	74	83	85	104	128	148	140	340	1.8	88.9	605	2.4	64.7	
France	444	456	510	497	549	577	662	690	734	2,456	13.3	23.6	3,212	13.0	33.7	
Countries contributing 2%-5%																
Canada	187	181	223	210	259	252	327	373	372	1,060	5.7	38.5	1,583	6.4	43.6	
Spain	168	204	247	251	252	235	281	297	401	1,122	6.1	50.0	1,466	5.9	59.1	
Australia	56	64	71	82	98	105	158	164	185	371	2.0	75.0	710	2.9	88.8	
India	60	66	54	61	76	76	98	136	132	317	1.7	26.7	518	2.1	73.7	
South Korea	27	22	29	38	41	39	41	80	78	157	0.8	51.9	279	1.1	90.2	
Countries contributing up to 2%																
Mexico	80	77	92	109	97	85	118	146	169	455	2.5	21.3	615	2.5	74.2	
Argentina	160	171	234	211	232	245	281	344	355	1,008	5.5	45.0	1,457	5.9	53.0	
Chile	66	76	69	81	106	99	88	126	155	398	2.2	60.6	574	2.3	46.2	
Other countries	924	964	1,091	1,170	1,314	1,363	1,611	1,645	1,870	5,463	29.6	42.2	7,803	31.6	42.3	

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

(1) As a percentage of total Brazilian publications with co-authors in other countries.

(2) Growth in the last year of the period compared with the first.

Detailed Table 4.15
SCIE- and SSCI-indexed publications by São Paulo State authors with co-authors in selected countries
by contribution to world scientific production – São Paulo State, 1998-2006

Selected countries by contribution to world scientific production (2002-2006)	SCIE- and SSCI-indexed publications by São Paulo State authors with co-authors in other countries														
	Absolute numbers											1998 - 2002		2002 - 2006	
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Total publications São Paulo State	4,480	5,072	5,500	5,901	6,764	7,194	8,341	8,720	9,564	27,717	..	51.0	40,583	..	41.4
Total publications SP w/ foreign co-authors	1,435	1,503	1,704	1,814	2,115	2,060	2,424	2,499	2,698	8,571	100.0	47.4	11,796	100.0	27.6
Countries contributing more than 5%															
USA	495	545	643	688	815	824	980	1,047	1,128	3,186	37.2	64.6	4,794	40.6	38.4
U.K.	161	161	185	190	212	189	255	301	322	909	10.6	31.7	1,279	10.8	51.9
Japan	64	81	67	87	88	100	118	126	127	387	4.5	37.5	559	4.7	44.3
Germany	127	127	171	193	233	218	264	322	306	851	9.9	83.5	1,343	11.4	31.3
China	14	19	36	38	43	62	67	108	89	150	1.8	207.1	369	3.1	107.0
France	187	167	216	209	242	255	274	324	326	1,021	11.9	29.4	1,421	12.0	34.7
Countries contributing 2%-5%															
Canada	79	86	96	117	134	112	173	205	197	512	6.0	69.6	821	7.0	47.0
Spain	90	94	102	136	132	93	140	147	209	554	6.5	46.7	721	6.1	58.3
Australia	29	24	28	32	49	54	68	66	87	162	1.9	69.0	324	2.7	77.6
India	20	28	23	29	33	43	57	99	94	133	1.6	65.0	326	2.8	184.8
South Korea	6	4	11	12	15	20	19	57	62	48	0.6	150.0	173	1.5	313.3
Countries contributing up to 2%															
Mexico	21	31	49	53	41	34	51	84	93	195	2.3	95.2	303	2.6	126.8
Argentina	68	65	98	91	99	112	132	187	181	421	4.9	45.6	711	6.0	82.8
Chile	34	46	40	55	68	67	59	72	88	243	2.8	100.0	354	3.0	29.4
Other countries	457	459	505	582	703	701	822	861	954	2706	31.6	53.8	4041	34.3	35.7

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

(1) As a percentage of total publications by São Paulo State with co-authors in other countries.

(2) Growth in the last year of the period compared with the first.

Detailed Table 4.16
SCIE- and SSCI-indexed publications by Brazilian authors with co-authors in other countries by knowledge area – Brazil, 1998-2006

Knowledge area	SCIE- and SSCI-indexed publications by Brazilian authors with co-authors in other countries														
	1998 - 2006										2002 - 2006				
	Absolute numbers										Contribution (%) (1)	Absolute numbers	Growth rate (%) (2)	Contribution (%) (1)	Growth rate (%) (2)
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Absolute numbers	Growth rate (%) (2)	Contribution (%) (1)	Growth rate (%) (2)
Total	3,149	3,349	3,773	3,846	4,357	4,382	5,036	5,254	5,681	18,474	100.0	24,710	38.4	100.0	30.4
Biology & biochemistry	178	192	240	199	251	266	286	255	289	1,060	5.7	1,347	41.0	5.5	15.1
Molecular biology & genetics	86	89	99	110	103	123	109	114	158	487	2.6	607	19.8	2.5	53.4
Botany & zoology	261	283	286	281	341	366	429	460	522	1,452	7.9	2,118	30.7	8.6	53.1
Computer science	53	48	75	61	66	91	124	129	112	303	1.6	522	24.5	2.1	69.7
Materials science	88	124	106	143	142	149	171	189	181	603	3.3	832	61.4	3.4	27.5
Agrarian sciences	60	62	66	61	87	118	117	143	152	336	1.8	617	45.0	2.5	74.7
Space sciences	125	121	139	115	141	122	144	126	151	641	3.5	684	12.8	2.8	7.1
Social sciences	43	39	38	45	49	44	73	88	93	214	1.2	347	14.0	1.4	89.8
Ecology	113	95	136	132	145	155	224	202	234	621	3.4	960	28.3	3.9	61.4
Economics	15	25	15	10	16	13	23	25	26	81	0.4	103	6.7	0.4	62.5
Engineering	191	196	218	216	267	260	315	293	303	1,088	5.9	1,438	39.8	5.8	13.5
Pharmacology & toxicology	53	71	63	76	64	84	69	116	97	327	1.8	430	20.8	1.7	51.6
Physics	712	702	761	831	890	757	903	824	843	3,896	21.1	4,217	25.0	17.1	-5.3
Geosciences	122	104	136	143	209	167	190	208	226	714	3.9	1,000	71.3	4.0	8.1
Immunology	61	69	78	50	87	75	91	96	120	345	1.9	469	42.6	1.9	37.9
Mathematics	121	99	143	132	153	187	172	179	207	648	3.5	898	26.4	3.6	35.3
Medicine	397	470	439	541	558	648	745	837	959	2,405	13.0	3,747	40.6	15.2	71.9
Microbiology	81	98	127	101	114	110	138	125	149	521	2.8	636	40.7	2.6	30.7
Multidisciplinary	20	26	33	26	23	38	46	65	63	128	0.7	235	15.0	1.0	173.9
Neuroscience & behavior	67	87	123	102	140	125	127	147	166	519	2.8	705	109.0	2.9	18.6
Psychology & Psychiatry	23	29	32	29	31	25	47	69	69	144	0.8	241	34.8	1.0	122.6
Chemistry	258	311	393	412	447	411	454	521	518	1,821	9.9	2,351	73.3	9.5	15.9
Unclassified	21	9	27	30	33	48	39	43	43	120	0.6	206	57.1	0.8	30.3

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

(1) As a percentage of total publications by Brazil with co-authors in other countries.

(2) Growth in the last year of the period compared with the first.

Detailed Table 4.17
SCIE- and SSCI-indexed publications by São Paulo State authors with co-authors in other countries by knowledge area – São Paulo State, 1998-2006

Knowledge area	SCIE- and SSCI-indexed publications by São Paulo State authors with co-authors in other countries														
	Absolute numbers						Período 1998 - 2002			Período 2002 - 2006					
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Total publications São Paulo State	4,480	5,072	5,500	5,901	6,764	7,194	8,341	8,720	9,564	27,717	...	51.0	40,583	...	41.4
Total publications SP w/ foreign co-authors	1,455	1,503	1,704	1,814	2,115	2,060	2,424	2,499	2,698	8,571	100.0	47.4	11,796	100.0	27.6
Biology & biochemistry	97	97	108	101	139	148	158	146	159	542	6.3	43.3	750	6.4	14.4
Molecular biology & genetics	36	51	51	55	63	68	55	65	86	256	3.0	75.0	337	2.9	36.5
Botany & zoology	74	78	91	101	132	130	180	153	192	476	5.6	78.4	787	6.7	45.5
Computer science	17	15	23	13	18	33	35	39	41	86	1.0	5.9	166	1.4	127.8
Materials science	38	57	53	72	84	81	97	103	88	304	3.5	121.1	453	3.8	4.8
Agrarian sciences	35	27	21	24	32	40	54	54	65	139	1.6	-8.6	245	2.1	103.1
Space sciences	60	72	68	64	75	72	64	69	77	339	4.0	25.0	357	3.0	2.7
Social sciences	14	12	15	13	21	14	18	25	30	75	0.9	50.0	108	0.9	42.9
Ecology	30	29	35	49	49	51	71	67	84	192	2.2	63.3	322	2.7	71.4
Economics	3	7	7	2	2	3	6	5	5	21	0.2	-33.3	21	0.2	150.0
Engineering	73	63	87	81	112	106	111	119	109	416	4.9	53.4	557	4.7	-2.7
Pharmacology & toxicology	22	26	30	41	25	41	35	55	54	144	1.7	13.6	210	1.8	116.0
Physics	318	341	382	413	448	371	459	432	400	1,902	22.2	40.9	2,110	17.9	-10.7
Geosciences	63	49	51	63	95	77	100	92	115	321	3.7	50.8	479	4.1	21.1
Immunology	25	28	30	26	38	36	42	49	60	147	1.7	52.0	225	1.9	57.9
Mathematics	70	48	77	69	85	84	87	88	100	349	4.1	21.4	444	3.8	17.6
Medicine	216	237	224	284	306	364	443	473	555	1,267	14.8	41.7	2,141	18.2	81.4
Microbiology	33	40	59	43	54	41	61	61	74	229	2.7	63.6	291	2.5	37.0
Multidisciplinary	3	14	15	12	11	10	18	25	33	55	0.6	266.7	97	0.8	200.0
Neuroscience & behavior	37	30	54	56	73	53	65	90	90	250	2.9	97.3	371	3.1	23.3
Psychology & psychiatry	9	12	14	17	15	12	25	34	35	67	0.8	66.7	121	1.0	133.3
Chemistry	156	167	195	196	224	202	225	236	222	938	10.9	43.6	1,109	9.4	-0.9
Unclassified	6	3	14	19	14	23	15	19	24	56	0.7	133.3	95	0.8	71.4

Source: Thomson Reuters (2008), SCIE & SSCI via Web of Science.

(1) As a percentage of total publications by São Paulo State with co-authors in other countries.

(2) Growth in the last year of the period compared with the first

Detailed Table 4.18
SCIE- and SSCI-indexed publications by São Paulo State authors with co-authors in other states by region and state – São Paulo – 1998-2006

Region/state	SCIE- and SSCI-indexed publications by São Paulo State authors with co-authors in other states														
	Absolute numbers														
	1998 - 2002						2002 - 2006								
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Total publications São Paulo State	4,480	5,072	5,500	5,901	6,764	7,194	8,341	8,720	9,564	27,717	...	51.0	40,583	...	41.4
Total publications SP w/ co-authors in other states	861	1,040	1,134	1,279	1,419	1,602	1,971	2,229	2,513	5,733	100.0	64.8	9,734	100.0	77.1
Southeast	375	444	478	513	554	577	754	835	981	2,364	41.2	47.7	3,701	38.0	77.1
Rio de Janeiro State	207	251	264	291	323	318	404	476	498	1,336	23.3	56.0	2,019	20.7	54.2
Minas Gerais State	174	192	204	223	237	263	353	373	480	1,030	18.0	36.2	1,706	17.5	102.5
Espírito Santo State	8	16	24	24	15	19	34	31	37	87	1.5	87.5	136	1.4	146.7
South	230	296	322	408	443	511	585	699	805	1,699	29.6	92.6	3,043	31.3	81.7
Paraná State	111	158	183	216	219	255	276	322	374	887	15.5	97.3	1,446	14.9	70.8
Rio Grande do Sul State	85	106	98	154	179	212	222	284	346	622	10.8	110.6	1,243	12.8	93.3
Santa Catarina State	41	44	53	62	71	72	107	128	127	271	4.7	73.2	505	5.2	78.9
Northeast	225	239	277	309	364	412	502	606	642	1,414	24.7	61.8	2,526	26.0	76.4
Pernambuco State	82	74	97	99	101	132	146	201	202	453	7.9	23.2	782	8.0	100.0
Bahia State	33	39	46	45	73	61	116	120	128	236	4.1	121.2	498	5.1	75.3
Ceará State	26	34	37	47	51	58	75	102	112	195	3.4	96.2	398	4.1	119.6
Rio Grande do Norte State	39	50	51	50	68	45	73	87	96	258	4.5	74.4	369	3.8	41.2
Paraíba State	21	24	27	36	43	62	63	69	58	151	2.6	104.8	295	3.0	34.9
Maranhão State	19	10	8	11	19	29	25	19	36	67	1.2	0.0	128	1.3	89.5
Sergipe State	6	5	9	11	18	13	16	14	22	49	0.9	200.0	83	0.9	22.2
Piauí State	14	15	18	14	7	22	11	16	17	68	1.2	-50.0	73	0.7	142.9
Alagoas State	4	2	3	9	8	15	10	11	22	26	0.5	100.0	66	0.7	175.0

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Detailed Table 4.18 (continued)
SCIE- and SSCI-indexed publications by São Paulo State authors with co-authors by region and state – São Paulo – 1998-2006

Region/state	SCIE- and SSCI-indexed publications by São Paulo State authors with co-authors in other states														
	Absolute numbers														
	1998 - 2002					2002 - 2006									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Contribution (%) (1)	Growth rate (%) (2)
Central West	83	112	126	127	137	182	263	278	298	298	585	10.2	65.1	11.9	117.5
Federal District	37	52	43	55	71	99	142	139	125	238	238	4.5	91.9	5.9	76.1
Goiás State	28	34	42	33	24	46	68	74	87	161	161	2.8	-14.3	3.1	262.5
Mato Grosso do Sul State	15	16	35	33	26	30	51	54	64	125	125	2.2	73.3	2.3	146.2
Mato Grosso State	4	10	6	10	18	14	12	27	38	48	48	0.8	350.0	1.1	111.1
North	40	72	67	58	70	101	116	131	157	307	307	5.4	75.0	5.9	124.3
Pará State	23	46	40	32	38	54	60	69	82	179	179	3.1	65.2	3.1	115.8
Amazonas State	13	19	15	16	19	36	37	47	49	82	82	1.4	46.2	1.9	157.9
Tocantins State		2	2	3		3	10	7	14	7	7	0.1	...	0.3	...
Roraima State	3	6	9	4	10	3	6	2	6	32	32	0.6	233.3	0.3	-40.0
Rondônia State		2	2	2	1	7	3	7	5	7	7	0.1	...	0.2	400.0
Acre State	1	1			5	3	6	4	2	7	7	0.1	400.0	0.2	-60.0
Amapá State			2	2	2	1	4	4	2	4	4	0.1	...	0.1	...

Source: Thomson Reuters (2008), SCIE & SSCI via Web of Science.

Note: Totals calculated without repetitions due to multiple collaborations. The total number of collaborations by São Paulo State with other states in a region may not correspond to the sum of collaborations with all states in that region because of co-authors from more than one state in the region. The total number of interstate collaborations for the state may not correspond to the sum of the publications for all regions because of co-authors from states in different regions.

(1) As a percentage of total publications by São Paulo State with co-authors in other state.

(2) Growth in the last year of the period compared with the first.

Detailed Table 4.19
SCIE- and SSCI-indexed publications by São Paulo State public universities in collaboration with other institutions by institution and type of collaboration – São Paulo State, 1998-2006

Institution & type of collaboration ⁽¹⁾	SCIE- and SSCI-indexed publications by São Paulo State public universities in collaboration with other institutions											
	Absolute numbers											
	1998 - 2002					2002 - 2006					2002 - 2006	
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (2)	Growth rate (%) (3)
USP	2,186	2,418	2,658	2,895	3,297	3,557	4,218	4,404	4,830	13,454	100.0	50.8
International	707	731	811	902	1,096	1,073	1,270	1,300	1,428	4,747	31.6	55.0
Interstate	409	495	489	582	632	712	977	1,023	1,196	2,607	19.4	54.5
Intrastate	379	477	517	598	744	821	1,002	1,115	1,224	2,715	20.2	96.3
Unicamp	935	1,080	1,168	1,209	1,364	1,409	1,632	1,712	1,923	5,756	100.0	45.9
International	270	272	296	300	371	333	409	394	455	1,509	26.2	37.4
Interstate	146	213	230	270	275	306	337	365	456	1,134	19.7	88.4
Intrastate	169	197	229	298	333	373	445	477	539	1,246	21.6	108.9
Unesp	577	641	722	808	982	1,020	1,161	1,256	1,421	3,730	100.0	70.2
International	153	150	174	197	232	219	250	250	307	906	24.3	51.6
Interstate	111	125	153	168	208	214	297	336	388	765	20.5	87.4
Intrastate	182	203	225	272	356	369	432	500	576	1,238	33.2	95.6
Unifesp	297	335	342	369	510	559	620	672	805	1,853	100.0	71.7
International	83	104	112	121	155	129	161	193	220	575	31.0	86.7
Interstate	47	65	73	70	114	103	117	155	187	369	19.9	142.6
Intrastate	74	99	81	109	128	148	195	212	253	491	26.5	73.0
UFSCar	276	335	387	400	446	445	521	496	493	1,844	100.0	61.6
International	72	95	122	106	99	107	119	101	99	494	26.8	37.5
Interstate	67	53	82	89	105	129	141	185	136	396	21.5	56.7
Intrastate	73	116	130	153	167	175	222	198	207	639	34.7	128.8
										2,306	100.0	46.5
										6,167	30.4	30.3
										4,540	22.4	89.2
										4,906	24.2	64.5
										8,040	100.0	41.0
										1,982	24.7	22.6
										1,739	21.6	65.8
										2,187	27.2	52.7
										5,840	100.0	44.7
										1,258	21.5	32.3
										1,443	24.7	86.5
										2,233	38.2	61.8
										3,166	100.0	57.8
										858	27.1	41.9
										676	21.4	64.0
										936	29.6	97.7
										2,401	100.0	10.5
										525	21.9	0.0
										696	29.0	29.5
										969	40.4	24.0

Source: Thomson Reuters (2008), SCIE & SSCI via Web of Science.

(1) Interstate collaboration entails collaboration between a public university in São Paulo State and an institution in another state. Intrastate collaboration means collaboration between a public university and another institution also in São Paulo State (a public university, a research institution, a private university or other type). Collaborations overlap: a publication may be at one and the same time an international, interstate and intrastate collaboration.

(2) As a percentage of the total for the respective institution.

(3) Growth in the last year of the period compared with the first.

Detailed Table 4.20
SCIE- and SSCI-indexed publications in collaboration between São Paulo State universities and research institutions by type of institution – São Paulo State, 1998-2002 (cumulative)

Publications with collaboration	SCIE- and SSCI-indexed publications in collaboration between São Paulo State universities and research institutions by type of institution					
	Public universities & colleges		Public research institutions		Private universities & colleges	
	Abs. nos.	Contribution (%) (1)	Abs. nos.	Contribution (%) (1)	Abs. nos.	Contribution (%) (1)
Total publications	24,236	100.0	2,767	100.0	826	100.0
Publications in collaboration						
Public universities & colleges	2,366	9.8	1,132	40.9	534	64.6
Public research institutions	1,132	4.7	117	4.2	91	11.0
Private universities & colleges	534	2.2	91	3.3	23	2.8

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

(1) As a percentage of the total.

Detailed Table 4.21
SCIE- and SSCI-indexed publications in collaboration between São Paulo State universities and research institutions by type of institution – São Paulo State, 2002-2006 (cumulative)

Publications with collaboration	SCIE- and SSCI-indexed publications in collaboration between São Paulo State universities and research institutions by type of institution					
	Public universities & colleges		Public research institutions		Private universities & colleges	
	Abs. nos	Contribution (%) (1)	Abs. nos	Contribution (%) (1)	Abs. nos	Contribution (%) (1)
Total publications	35,594	100.0	4,400	100.0	1,770	100.0
Publications with collaboration						
Public universities & colleges	4,105	11.5	2,033	46.2	1,215	68.6
Public research institutions	2,033	5.7	232	5.3	163	9.2
Private universities & colleges	1,215	3.4	163	3.7	63	3.6

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

(1) As a percentage of the total.

Detailed Table 4.22
Publications and citations quantified in Essential Science Indicators by knowledge area – world & Brazil, 1998-2006

Knowledge area	Publications and citations quantified in Essential Science Indicators											
	1998-2002					2002-2006						
	World		Brazil		Citations per publication D / C (%)	World		Brazil		Citations per publication D / C (%)		
No. of publications (A)	No. of citations (B)	No. of publications (C)	No. of citations (D)	Citations per publication B / A (%)		No. of publications (A)	No. of citations (B)	No. of publications (C)	No. of citations (D)			
All areas	3,915,934	15,382,477	53,649	119,363	2.2	0.8	4,449,880	19,494,964	77,876	214,431	2.8	1.1
Medicine	842,144	3,867,765	7,873	22,855	2.9	0.6	914,732	4,974,216	12,664	46,847	3.7	0.9
Physics	386,725	1,356,262	8,815	23,960	2.7	1.8	432,865	1,669,520	10,169	34,259	3.4	2.1
Chemistry	467,753	1,725,588	6,445	14,323	2.2	0.8	541,099	2,435,563	8,983	27,390	3.0	1.1
Botany & zoology	226,233	577,796	5,804	6,669	1.1	1.2	248,457	728,334	9,006	12,930	1.4	1.8
Biology & biochemistry	251,261	1,763,596	3,260	8,840	2.7	0.5	261,615	1,927,793	4,850	15,310	3.2	0.8
Engineering	312,320	397,831	3,275	4,314	1.3	1.1	364,652	610,220	4,927	8,153	1.7	1.3
Neuroscience & behavior	126,833	921,304	2,120	5,224	2.5	0.6	137,895	1,068,929	3,150	11,211	3.6	1.0
Agrarian sciences	70,707	139,934	2,111	1,441	0.7	1.0	83,591	219,082	2,874	4,368	1.5	2.0
Materials science	165,664	301,265	1,968	2,869	1.5	1.0	204,906	503,783	2,885	5,143	1.8	1.0
Ecology	93,445	283,683	1,359	3,578	2.6	1.3	115,340	445,625	2,550	7,258	2.8	1.6
Microbiology	66,209	424,630	1,473	3,984	2.7	0.9	73,304	497,682	1,993	6,703	3.4	1.3
Mathematics	97,723	104,649	1,399	1,291	0.9	1.2	109,912	137,438	1,938	2,096	1.1	1.5
Pharmacology & toxicology	70,589	289,970	1,158	2,745	2.4	0.9	79,821	408,840	1,833	5,337	2.9	1.3
Molecular biology & genetics	114,065	1,359,635	1,461	4,626	3.2	0.3	125,466	1,462,107	1,801	6,736	3.7	0.5
Computer science	76,650	81,366	669	510	0.8	0.6	153,120	194,753	1,912	1,479	0.8	0.8
Geosciences	105,811	331,483	1,213	2,958	2.4	0.9	125,042	429,357	1,810	5,313	2.9	1.2
Social sciences	163,411	228,093	974	631	0.6	0.3	181,110	302,455	1,389	1,360	1.0	0.4
Immunology	56,667	525,668	727	3,205	4.4	0.6	56,921	547,148	1,087	5,089	4.7	0.9
Space sciences	51,456	300,801	1,000	4,399	4.4	1.5	58,015	386,128	1,207	5,540	4.6	1.4
Psychiatry & psychology	96,353	300,225	299	791	2.6	0.3	106,142	401,106	518	1,410	2.7	0.4
Multidisciplinary	10,038	13,505	54	11	0.2	0.1	7,999	24,955	78	171	2.2	0.7
Economics	63,877	87,428	192	139	0.7	0.2	67,876	119,930	252	328	1.3	0.3

Source: Thomson Reuters (2008). Essential Science Indicators.

Detailed Table 4.23
Ranking of citations quantified in *Essential Science Indicators* – Brazil & selected countries, 2002-2006
(cumulative)

Selected countries	Ranking of citations quantified in <i>Essential Science Indicators</i>	
	Number of citations	Position in ranking
USA	9,133,570	1
Germany	2,000,872	2
England (1)	1,929,357	3
Japan	1,615,521	4
France	1,295,410	5
Canada	1,051,232	6
Italy	948,013	7
China	729,464	8
Netherlands	708,392	9
Spain	614,401	10
Australia	613,827	11
Switzerland	562,485	12
Sweden	487,450	13
Belgium	340,188	14
South Korea	338,055	15
Scotland (1)	315,006	16
Denmark	279,272	17
Russia	266,914	18
India	265,868	19
Israel	265,199	20
Austria	231,712	21
Finland	226,038	22
Brazil	214,431	23
Taiwan	202,124	24
Poland	198,091	25
Turkey	118,712	26
Mexico	89,599	
Argentina	80,721	
Chile	54,357	

Source: Thomson Reuters (2008). *Essential Science Indicators*.

Note: Data refer to citations received in the period 1998-2008 by publications issued in the period 2002-2006.

(1) England, Scotland, Wales and Northern Ireland are treated as separate entities and it is impossible to aggregate publications for the United Kingdom accurately.

Detailed Table 4.24
Citations to SCIE- and SSCI-indexed publications for selected countries by contribution to world scientific production – Brazil, 1990-2003

Selected countries by contribution to world scientific production (2002-2006)	Citations to SCIE- and SSCI-indexed publications											
	1990	1992	1994	1996	1997	1999	2001	2003				
	Abs. nos. (%) (1)	Contribution (%) (1)	Abs. nos. (%) (1)	Contribution (%) (1)	Abs. nos. (%) (1)	Contribution (%) (1)	Abs. nos. (%) (1)	Contribution (%) (1)	Abs. nos. (%) (1)	Contribution (%) (1)		
Total	2,098,342	100.00	2,518,783	100.00	3,325,455	100.00	2,749,022	100.00	3,846,519	100.00	4,339,511	100.00
Countries contributing more than 5%												
USA	1,093,156	52.10	1,261,797	50.10	1,624,607	48.85	1,249,419	45.45	1,678,293	43.63	1,839,481	42.39
U.K.	178,765	8.52	221,955	8.27	278,930	8.39	219,866	8.00	316,752	8.23	351,572	8.10
Japan	128,642	6.13	174,471	6.50	219,688	6.61	194,341	7.07	280,360	7.29	318,665	7.34
Germany	115,261	5.49	157,285	5.86	207,673	6.24	191,198	6.96	274,520	7.14	305,555	7.04
China	4,666	0.22	9,910	0.37	16,539	0.50	15,846	0.58	33,245	0.86	65,326	1.51
France	88,890	4.24	116,453	4.34	153,159	4.61	131,443	4.78	187,325	4.87	201,941	4.65
Countries contributing 2%-5%												
Canada	88,705	4.23	111,661	4.16	106,594	4.23	141,498	4.12	144,247	3.75	161,501	3.72
Spain	14,443	0.69	22,199	0.83	26,313	1.04	42,731	1.36	46,755	1.62	68,894	1.79
Australia	42,416	2.02	49,989	1.86	44,066	1.75	64,657	1.88	54,589	1.99	78,789	2.05
India	12,046	0.57	14,421	0.54	15,179	0.60	19,250	0.55	18,827	0.62	24,442	0.64
South Korea	1,335	0.06	2,260	0.08	3,462	0.14	6,563	0.26	8,769	0.41	23,551	0.61
Countries contributing up to 2%												
Brazil	3,437	0.16	5,132	0.19	5,906	0.23	8,630	0.27	9,416	0.37	17,365	0.45
Mexico	2,243	0.11	2,906	0.11	2,824	0.11	4,243	0.14	4,899	0.19	8,241	0.21
Argentina	3,136	0.15	3,386	0.13	3,623	0.14	4,856	0.17	5,697	0.21	8,631	0.22
Chile	1,472	0.07	1,826	0.07	1,766	0.07	2,560	0.08	2,573	0.09	3,559	0.09

Source: NSB (2002, 2004, 2006), *Science and Engineering Indicators*.

Note: Citations are quantified for publications considering a three-year window with a two-year lag. For example, citations for 1999 refer to the number of citations made by 1999 publications to publications issued in 1995-1997

(1) As a percentage of the total.

Detailed Table 4.25
Publications indexed by selected databases by source and coverage – world, Brazil & São Paulo State, 1998-2006

Source (area) & coverage	Publications indexed by selected databases														
	Absolute numbers										1998 - 2002		2002 - 2006		
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
SCIE+SSCI (multidisciplinary) (3)															
World	780,517	794,977	809,677	807,353	832,048	873,035	920,102	971,062	1,020,533	4,024,572	100.0	6.6	4,616,780	100.0	22.7
Brazil	9,148	10,244	11,164	11,775	13,180	13,898	16,304	17,322	18,915	55,511	1.4	44.1	79,619	1.7	43.5
São Paulo State	4,480	5,072	5,500	5,901	6,764	7,194	8,341	8,720	9,564	27,717	0.7	51.0	40,583	0.9	41.4
Scopus (multidisciplinary) (3)															
World	1,001,218	1,019,783	1,046,710	1,104,533	1,092,071	1,126,992	1,192,763	1,293,834	1,393,090	5,264,315	100.0	9.1	6,098,750	100.0	27.6
Brazil	10,430	11,356	11,936	11,724	12,991	15,019	15,646	17,616	23,159	58,437	1.1	24.6	84,431	1.4	78.3
São Paulo State	5,663	6,202	6,537	6,400	6,987	8,342	8,961	10,090	13,595	31,789	0.6	23.4	47,975	0.8	94.6
SciELO (multidisciplinary)															
World	3,513	4,483	5,753	6,759	8,172	11,503	12,443	13,468	14,618	28,680	100.0	132.6	60,204	100.0	78.9
Brazil	2,530	3,407	4,541	5,255	6,447	7,730	8,838	9,965	11,333	22,180	77.3	154.8	44,313	73.6	75.8
São Paulo State	1,196	1,220	2,177	2,224	2,496	2,903	3,181	3,429	3,747	9,313	32.5	108.7	15,756	26.2	50.1
Biological Abstracts (biology) (4)															
World	102,570	358,368	363,345	357,314	379,952	375,985	381,695	417,462	432,756	1,561,549	100.0	270.4	1,987,850	100.0	13.9
Brazil	1,872	5,050	5,344	5,993	6,754	7,070	7,623	8,585	9,562	25,013	1.6	260.8	39,594	2.0	41.6
São Paulo State	730	2,038	2,150	2,326	2,642	2,875	3,079	3,309	3,748	9,886	0.6	261.9	15,653	0.8	41.9
Compendex (engineering) (4)															
World	438,344	375,365	403,918	468,112	491,762	496,890	600,200	693,222	639,922	2,179,501	100.0	12.2	2,921,996	100.0	30.1
Brazil	2,305	2,833	3,210	3,660	4,110	4,804	5,630	6,569	6,490	16,118	0.7	78.3	43,800	1.5	57.9
São Paulo State	975	1,254	1,361	1,573	1,773	2,014	266	2,657	2,604	6,936	0.3	81.8	16,332	0.6	46.9

(CONTINUED ON NEXT PAGE)

Detailed Table 4.25 (continued)
Publications indexed by selected databases by source and coverage – World, Brazil & São Paulo State, 1998-2006

Source (area) & coverage	Publications indexed by selected databases														
	Absolute numbers										1998 - 2002		2002 - 2006		
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Inspec (physics) (4)															
World	333,754	335,369	339,740	343,353	390,312	387,158	420,986	448,883	487,233	1,742,028	100.0	16.9	2,134,572	100.0	24.8
Brazil	3,318	3,645	4,097	4,490	4,517	5,135	4,915	4,914	5,512	20,067	1.2	36.1	24,993	1.2	22.0
São Paulo State	1,403	1,540	1,416	1,731	1,873	1,884	1,904	1,889	2,096	7,963	0.5	33.5	9,646	0.5	11.9
PsycINFO (psychology) (4)															
World	70,749	71,991	77,127	80,310	89,501	102,455	106,112	115,691	125,713	389,678	100	26.5	539,472	100.0	40.5
Brazil	275	356	401	510	772	1,048	1,121	1,504	1,391	2,314	0.6	180.7	5,836	1.1	80.2
São Paulo State	115	135	159	209	337	470	476	740	699	955	0.2	193.0	2,722	0.5	107.4
PubMed (medicine) (4)															
World	465,109	482,945	524,696	538,080	556,212	585,568	627,354	688,019	731,874	2,567,042	100.0	19.6	3,189,027	100.0	31.6
Brazil	2,628	3,139	4,070	4,702	5,663	6,806	7,196	8,109	9,395	20,202	0.8	115.5	57,487	1.8	65.9
São Paulo State	1,779	1,950	2,342	2,548	3,035	3,632	4,225	4,824	5,798	11,654	0.5	70.6	33,239	1.0	91.0
Sociological Abstracts (social sciences) (4)															
World	27,468	25,385	28,441	28,454	30,045	26,403	28,529	28,859	28,963	139,793	100.0	9.4	142,799	100.0	-3.6
Brazil	488	395	447	443	500	540	626	608	439	2,273	1.6	2.5	2,713	1.9	-12.2
São Paulo State	122	86	70	81	79	75	71	84	68	438	0.3	-35.2	377	0.3	-13.9

Source: Thomson Reuters ([2008], SCIE e SSCI via *Web of Science*; Scopus (2008); Biological Abstracts (2008); Inspec & PsycINFO via WebSpirs, Compendex via Ei Engineering Village (2008); Sociological Abstracts (2008).

(1) As a percentage of the total for the respective source

(2) Growth in the last year of the period compared with the first

(3) Only the following types of publication were considered: articles, letters, notes and reviews. For other databases, all types of publication were included.

(4) Only publications originating in São Paulo State and with the following expressions in the "author's affiliation" field: (a) "sao paulo"; (b) "sp"; (c) the name or acronym of a public university in the state or of a public research institution in the state; (d) the name of one of the ten cities with the largest numbers of publications in the state (São Paulo, Campinas, São Carlos, Ribeirão Preto, São José dos Campos, Araraquara, Piracicaba, Botucatu, Jaboticabal, Rio Claro).

Detailed Table 4.26
SciELO-indexed Brazilian publications with co-authors from other countries by contribution to world scientific production – Brazil, 1998-2006

Selected countries by contribution to world scientific production (SCIE & SCI) (2002-2006)	SciELO-indexed Brazilian publications with co-authors from other countries														
	Absolute numbers							1998 - 2002				2002 - 2006			
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)	Absolute numbers	Contribution (%) (1)	Growth rate (%) (2)
Total publications SciELO	3,525	4,496	5,764	6,771	8,193	9,649	10,903	12,572	14,324	28,749	...	132.4	55,641	...	74.8
Total publications Brazil	2,556	3,418	4,551	5,267	6,465	7,795	8,868	10,144	11,752	22,257	...	152.9	45,024	...	81.8
Total publications Brazil with co-authors in other countries	138	211	270	287	354	419	467	474	535	1,260	100.0	156.5	2,249	100.0	51.1
Countries contributing more than 5%															
USA	51	60	87	103	113	146	148	144	172	414	32.9	121.6	723	32.1	52.2
U.K.	19	30	44	45	41	38	49	59	54	179	14.2	115.8	241	10.7	31.7
Japan	1	5	6	4	9	9	13	7	9	25	2.0	800.0	47	2.1	0.0
Germany	7	22	17	16	13	20	29	39	30	75	6.0	85.7	131	5.8	130.8
China	0	1	3	1	1	1	5	3		6	0.5	...	10	0.4	200.0
France	8	30	24	27	41	42	33	45	36	130	10.3	412.5	197	8.8	-12.2
Countries contributing 2%-5%															
Canada	2	5	9	8	9	24	30	24	36	33	2.6	350.0	123	5.5	300.0
Spain	4	10	17	11	20	24	20	21	42	62	4.9	400.0	127	5.6	110.0
Australia	1	7	2	7	2	8	1	5	7	19	1.5	100.0	23	1.0	250.0
India	0	2		3	2	1	2	2	4	7	0.6	...	11	0.5	100.0
South Korea	0	0	0	0	0	0	0	0	0	0	0.0	...	0	0.0	...
Countries contributing up to 2%															
Mexico	0	5	6	3	10	11	13	11	10	24	1.9	...	55	2.4	0.0
Argentina	7	7	18	20	22	27	40	27	30	74	5.9	214.3	146	6.5	36.4
Chile	2	5	9	8	9	24	30	24	36	33	2.6	350.0	123	5.5	300.0

Source: SciELO (2008).

(1) As a percentage of total Brazilian publications with co-authors in other countries.

(2) Growth in the last year of the period compared with the first.

Detailed Table 4.27
Brazilian publications with co-authors from selected countries (1) and citations quantified by SCImago – 2002-2006 (cumulative)

Selected countries by contribution to world scientific production (SCIE & SSCI)	Publications & citations quantified by SCImago	
	Publications	Citations (2)
Countries contributing more than 5%		
USA	1,603,984	9,879,793
U.K.	477,824	2,402,599
Japan	473,418	1,712,615
Germany	442,181	2,111,803
China	535,151	714,776
France	312,304	1,375,028
Countries contributing 2%-5%		
Canada	246,631	1,148,409
Spain	178,997	656,938
Australia	159,036	668,452
India	156,826	300,694
South Korea	135,859	360,261
Countries contributing up to 2%		
Brazil	96,768	232,914
Mexico	39,111	95,379
Argentina	28,758	86,585
Chile	15,110	55,728

Source: SCImago, quantification by Scopus (2008).

(1) Selected countries grouped by contribution to SCIE- and SSCI-indexed world scientific production.

(2) Citations received by the respective country's publications in the period specified.

Detailed Table 4.28
H-index quantified by SCImago – Brazil & selected countries, 1996-2006 (cumulative)

Selected countries	h-index quantified by SCImago
USA	793
U.K.	465
Germany	408
France	376
Japan	372
Canada	370
Switzerland	321
Italy	321
Netherlands	311
Sweden	279
Australia	272
Spain	244
Belgium	238
Israel	235
Denmark	221
Austria	209
Finland	206
Russia	178
Norway	174
China	161
South Korea	161
New Zealand	151
Poland	149
Brazil	148
India	146
Ireland	143
Hungary	136
Greece	132
Czech Republic	116
Mexico	114
Portugal	114
Singapore	114
Argentina	112
South Africa	111
Chile	103

Source: SCImago, based on Scopus (2008).

Note: The *h*-index is defined as the number of articles published by a researcher to which the number of citations is equal to or greater than *h*. Thus an author with an index of *h* has published *h* papers each of which has been cited by others at least *h* times. In this figure, based on data from Scopus, *h* refers to the period 1996-2006.

Detailed Table 4.29

SCIE- and SSCI-indexed Brazilian genomics publications by institutional co-authorship pairs – Brazil, 1997-2006 (cumulative)

SCIE- and SSCI-indexed Brazilian genomics publications by institutional co-authorship

Co-author institution	USP – Universidade de São Paulo	Fiocruz – Fundação Oswaldo Cruz	Unesp – Universidade Estadual Paulista	UF RJ – Universidade Federal do Rio de Janeiro	Unicamp – Universidade Estadual de Campinas	UFRGS – Universidade Federal do Rio Grande do Sul	Unifesp – Universidade Federal de São Paulo	UFMG – Universidade Federal de Minas Gerais	Embrapa – Empresa Brasileira de Pesquisa Agropecuária	UFPR – Universidade Federal do Paraná	Hospital A. C. Camargo	Instituto Ludwig de Pesquisa sobre o Câncer	Unb – Universidade de Brasília	Instituto Butantan	UFPA – Universidade Federal do Pará	UFSC – Universidade Federal de Santa Catarina	Unbra – Universidade Luterana do Brasil	UEL – Universidade Estadual de Londrina	IAC – Instituto Agronômico de Campinas	UCS – Universidade Caxias do Sul	UFV – Universidade Federal de Viçosa	UFSCar – Universidade Federal de São Carlos	Inca – Instituto Nacional do Câncer	UIMC – Universidade de Mogi das Cruzes	UFF – Universidade Federal Fluminense	UFG – Universidade Federal de Goiás	Hospital das Clínicas de Porto Alegre	UEM – Universidade Estadual de Maringá	UERJ – Universidade do Estado do Rio de Janeiro	IAL – Instituto Adolfo Lutz	UFPE – Universidade Federal de Pernambuco	UFC – Universidade Federal do Ceará	Hospital Nossa Senhora das Graças	Unisc – Universidade de Santa Cruz do Sul	Uesl – Universidade de Feira de Santana	IB – Instituto Biológico	MHN – Museu Histórico Nacional					
UFPB – Universidade Federal da Paraíba	1	1	1	1																																						
Inpa – Instituto Nacional de Pesquisas da Amazônia									1																																	
Hospital das Clínicas						1																																				
Famerp – Faculdade de Medicina de São José do Rio Preto			1																																							
Fac Tecnol & Ciências				1																																						
Iapar – Instituto Agronômico do Paraná					1				1																																	
Ctr Genet Nutr & Hlth																																										
Secretaria Estadual Saúde		1																																								
Santa Casa de Belo Horizonte																																										
Unifei – Universidade Federal de Itajubá			1																				1																			
Unijui – Universidade Regional do Noroeste do Estado do Rio Grande do Sul																																										
Ufop – Universidade Federal de Ouro Preto									1																																	
Cepec Ceplac																																										
Universidade do Contestado									1																																	
Instituto Carlos G. Malbran		1																																								
Faperj		1	1																																							
Fundarj – Fundação Pró-Instituto de Hematologia RJ				1																																						
Fundação Pró Sangue Hemo	1		1					1																																		
IBMC – Instituto de Biologia Molecular e Celular												1																														
Biol Marine Lab	1																																									
CTC – Centro de Tecnologia Canavieira	1			1																																						
PUC – Pontifícia Universidade Católica do Paraná																																										
UEMS – Universidade Estadual de Mato Grosso do Sul													1																													
Emater – Empresa de Assistência Técnica e Extensão Rural																							1																			
Centro de Ciências da Saúde																																										
Museu Nacional de História Natural																																										
Centro de Pesquisa Veterinária Desidério Finamor						1			1																																	
Ufes – Universidade Federal do Espírito Santo				1																																						
Hemope – Hemocentro de Pernambuco											1																															
Arnaldo Vieira Carvalho Hospital	1		1																																							
Unifor – Universidade de Fortaleza																																										
UFU – Universidade Federal de Uberlândia																																										
HFAG – Hospital de Força Aérea do Galeão				1																																						
Epamig – Empresa de Pesquisa Agropecuária de Minas Gerais																																										
Canc Res Inst												1	1																													

Source: Thomson Reuters (2008), SCIE & SSCI via Web of Science.

DETAILED TABLE 4.29 [CONTINUED]

SCIE- and SSCI-indexed Brazilian genomics publications by institutional co-authorship

Alellyx Applied Genomics	
UCB – Universidade Católica de Brasília	
Universidade de Nova York	
Universidade de Washington	
Hospital Erasto Gaertner	
PUC – Pontifícia Universidade Católica do Rio Grande do Sul	
UFPE – Universidade Federal Rural de Pernambuco	
Ufia – Universidade Federal de Lavras	
Hospital Amaral Carvalho	
UFMS – Universidade Federal de Mato Grosso do Sul	
Copersucar	1
Jeca – Universidade Estadual do Ceará	
Cefet Pi – Centro Federal de Educação Tecnológica	
UFPEL – Universidade Federal de Pelotas	
UFRN – Universidade Federal do Rio Grande do Norte	
LNLS – Laboratório Nacional de Luz Síncrotron	
Fundação Ezequiel Dias	
CNPq – Conselho Nacional de Desenvolvimento Científico e Tecnológico	
UFESM – Universidade Federal de Santa Maria	
Santa Casa de Belo Horizonte	
UFBA – Universidade Federal da Bahia	
Unival	
BIREME	
Funasa – Fundação Nacional de Saúde	
Catholic Univ. Sorocaba	
Hospital Naval Marcílio Dias	
Fac Ciências Farmacêut	
Unifran – Universidade de Franca	
Uesc – Universidade Estadual de Santa Cruz	
Hospital Anchieta	
Boldrini Hospital	
Fac Filosofia Ciências & Letras	
Santa Casa de São Paulo	
Gene – Núcleo de Genética Médica de Minas Gerais Ltda.	
Unisinos – Universidade do Vale do Rio dos Sinos	1
Unaerp – Universidade de Ribeirão Preto	
UFPI – Universidade Federal do Piauí	1
UFPB – Universidade Federal da Paraíba	
Inpa – Instituto Nacional de Pesquisas da Amazônia	
Hospital das Clínicas	
Famerp – Faculdade de Medicina de São José do Rio Preto	1
Fac Technol & Ciências	
Iapar – Instituto Agronômico do Paraná	1
Ctr Genet Nutr & Hlth	
Secretaria Estadual Saúde	
Santa Casa de Belo Horizonte	1
Unifei – Universidade Federal de Itajubá	
Unijui – Universidade Regional do Noroeste do Estado do Rio Grande do Sul	1
Ufop – Universidade Federal de Ouro Preto	
Cepac Ceplac	
Universidade do Contestado	
Instituto Carlos G. Malbran	
Faperj	1
Fundarj – Fundação Pró-Instituto de Hematologia RJ	
Fundação Pro Sangue Hemo	
IBMC – Instituto de Biologia Molecular e Celular	
Biol Marine Lab	1
CTC – Centro de Tecnologia Canavieira	
PUC – Pontifícia Universidade Católica do Paraná	1
UEMS – Universidade Estadual de Mato Grosso do Sul	
Emater – Empresa de Assistência Técnica e Extensão Rural	
Centro de Ciências da Saúde	1
Museu Nacional de História Natural	
Centro de Pesquisa Veterinária Desidério Finamor	1
Ufes – Universidade Federal do Espírito Santo	
Hemope – Hemocentro de Pernambuco	
Arnaldo Vieira Carvalho Hospital	1
Unifor – Universidade de Fortaleza	
UFU – Universidade Federal de Uberlândia	
HFAG – Hospital de Força Aérea do Galeão	1
Epamig – Empresa de Pesquisa Agropecuária de Minas Gerais	
Canc Res Inst	1

Detailed Table 4.30
USPTO agricultural biotechnology patents and respective citing patents – 1976-2004

USPTO patent number	Citing patents
US4727028	US6835866
	US6803499
	US6783980
	US6777589
	US6733989
	US6692966
	US6670188
	US6647987
	US6607897
	US6602706
	H2074
	US6482616
	US6431167
	US6431166
	US6427681
	US6413776
	US6408854
	US6399861
	US6395966
	US6395519
	US6365799
	US6331665
	US6329574
	US6326527
	US6306652
	US6303754
	US6281411
	US6271016
	US6265212
	US6250298
	US6238893
	US6214577
	US6160208
	US6131567
	US6118047
	US6098615
	US6085753
	US6048730
	US6025545
	US6024090
	US6013863
	US5994106
US5990390	
US5989894	
US5970973	
US5969213	
US5922320	
US5919675	
US5915378	
US5888477	
US5874265	

(CONTINUED ON NEXT PAGE)

Detailed Table 4.30 (continued)
USPTO agricultural biotechnology patents and respective citing patents – 1976-2004

USPTO patent number	Citing patents
	US5873358
	US5851804
	US5780709
	US5780708
	US5773243
	US5728810
	US5714344
	US5681818
	US5670341
	US5668298
	US5654167
	US5632991
	US5624805
	US5554798
	US5550318
	US5541084
	US5538880
	US5538877
	US5525497
	US5508468
	US5489520
	US5484956
	US5464934
	US5458874
	US5422267
	US5403713
	US5200509
	US5187262
	US5187079
	US5108922
	US5106748
	US5081034
	US5024941
	US4988624
US4751081	US6512166
	US6251390
	US6093552
	US6069299
	US6020540
	US5811095
	US5776448
	US5633450
	US5554521
	US5530187
	US5474926
	US5433947
	US5374540
	US5360608
	US5352607
	US5326561
	US5290926

(CONTINUED ON NEXT PAGE)

Detailed Table 4.30 (continued)
USPTO agricultural biotechnology patents and respective citing patents – 1976-2004

USPTO patent number	Citing patents
	US5258502
	US5208159
	US5188961
	US5173419
	US5139949
	US5089263
US4900607	US6434904
	US6267536
	US6129485
	US5888023
	US5871835
	US5682635
	US5660501
	US5634312
	US5537794
	US5509477
	US5487251
	US5439319
	US5356696
	US5309691
	US5044823
	US6592296
US4912040	US6562588
	US6472142
	US6399377
	US5928915
	US5340739
	US5272065
	US5208149
	US5190931
US5185441	US6410711
	US6001651
	US5750371
	US5556943
	US5354665
US5316930	US6720183
	US6479291
	US6452067
	US6376752
	US6172280
	US5922602
	US5907084
	US5670634
	US5624803
US5322938	US6777546
	US6555673
	US6339185
	US6331531
	US6242385
	US6222096

(CONTINUED ON NEXT PAGE)

Detailed Table 4.30 (continued)
USPTO agricultural biotechnology patents and respective citing patents – 1976-2004

USPTO patent number	Citing patents
	US6072050
	US5856154
	US5744334
	US5646333
US5352605	US6808709
	US6803499
	US6777589
	US6777546
	US6733974
	US6639124
	US6586661
	H2074
	US6563025
	US6489462
	US6399861
	US6395966
	US6339185
	US6331665
	US6329574
	US6326527
	US6303341
	US6281411
	US6271016
	US6222096
	US6160208
	US6118047
	US6093569
	US6046037
	US6025545
	US6013863
	US5994123
	US5990390
	US5977441
	US5969213
	US5965727
	US5959180
	US5925808
	US5919675
	US5874265
	US5858742
	US5780709
	US5780708
	US5744334
	US5723765
	US5646333
	US5554798
	US5550318
	US5530196
US5362865	US6825400
	US6649357

(CONTINUED ON NEXT PAGE)

Detailed Table 4.30 (continued)
USPTO agricultural biotechnology patents and respective citing patents – 1976-2004

USPTO patent number	Citing patents
	US6649356
	US6602657
	US6596257
	US6458547
	US6436682
	US6416960
	US6395962
	US6247995
	US6232107
	US6152358
	US6113886
	US6020154
	US5876995
	US5850019
	US5824497
	US5807707
	US5723755
	US5659122
US5378619	US6777546
	US6723839
	US6706950
	US6566587
	US6541682
	US6512162
	US6489542
	US6489462
	US6271444
	US6184449
	US6093569
	US6020154
	US6018100
	US5994521
	US5994123
	US5824875
	US5824497
	US5807707
5,453,566	US6727406
	US6720183
	US6713117
	US6586661
	US6506559
	US6452067
	US6448474
	US6423520
	US6355862
	US6350934
	US6348641
	US5973226
	US5922602
	US5874269

(CONTINUED ON NEXT PAGE)

Detailed Table 4.30 (continued)
USPTO agricultural biotechnology patents and respective citing patents – 1976-2004

USPTO patent number	Citing patents
	US5824790
	US5759829
US5495070	US6566586
	US6563022
	US6559363
	US6479287
	US6329570
	US6271443
	US6268546
	US6222097
	US6211430
	US5981834
	US5792933
US5496732	US6268552
US5498831	US6680429
	US6538180
	US6472588
	US6462257
	US6420629
	US6127605
	US6031154
	US5952546
	US5773693
US5539092	US6825399
	US6808904
	US6723895
	US6414222
	US6348643
	US6306636
	US6268550
	US6222099
	US6146867
	US6069298
	US5962767
	US5925805
	US5910626
	US5792627
	US5767362
US558862	US6393760
US558863	US6214364
US558864	US6200561
US558865	US6018905
US558866	US5786165
US558867	US5763245
US558868	US5753249
US5589611	US6818806
	US6599725
	US6486302
	US6211440
	US6211437

(CONTINUED ON NEXT PAGE)

Detailed Table 4.30 (continued)
USPTO agricultural biotechnology patents and respective citing patents – 1976-2004

USPTO patent number	Citing patents
US5624827	US6649742 US6376217 US6146850 US6146631 US5837491
US5753487	US6521748 US6368837
US5789156	US6190883 US6660524 US6322781 US6287813 US6004941
US5800997	US6733972 US6645720
US5824790	US6734341 US6734339 US6703240 US6686514 US6639126 US6635804 US6617495 US6570008 US6483010 US6423886 US6420629 US6392120 US6353154 US6307125 US6307124 US6211436 US6130367 US6113148
US5830880	US6780986 US6759518 US6756055 US6734017 US6710174 US6696423 US6670147 US6649158 US6576758 US6495346 US6482618 US6465246 US6384202 US6383785 US6380170 US6358732 US6358524 US6265562

(CONTINUED ON NEXT PAGE)

Detailed Table 4.30 (continued)
USPTO agricultural biotechnology patents and respective citing patents – 1976-2004

USPTO patent number	Citing patents
	US6235526
	US6214614
	US6120799
US5846767	US6053454
US5849894	US6812013
	US6808910
	US6803220
	US6803219
	US6514743
	US6485951
US5856188	US6803194
US5859351	US6743969
	US6515204
	US6484105
	US6479731
	US6476293
US5866776	US6743969
	US6605764
	US6479731
	US6127607
US5866793	US6706948
US5877012	US6713077
	US6656908
	US6656908
	US6593273
	US6586365
	US6242669
	US6204435
US5877402	US6716631
	US6653072
	US6624296
	US6613514
	US6602986
	US6586182
	US6579678
	US6576467
	US6573098
	US6537746
	US6528311
	US6518065
	US6512162
	US6506603
	US6506602
	US6492578
	US6472586
	US6455253
	US6444468
	US6420175
	US6413774
	US6406855

(CONTINUED ON NEXT PAGE)

Detailed Table 4.30 (continued)
USPTO agricultural biotechnology patents and respective citing patents – 1976-2004

USPTO patent number	Citing patents
	US6395547
	US6379964
	US6376744
	US6372497
	US6365408
	US6355484
	US6352859
	US6344356
	US6335198
	US6335160
	US6326204
	US6323030
	US6319713
	US6297054
	US6297053
	US6271444
	US6197588
US5891646	US6800445
	US6759206
	US6692696
	US6528271
	US6232107
US5891859	US6670528
	US6495742
US5910415	US6746870
	US6632980
	US6380459
	US6818408
	US6774224
	US6348580
US5932422	US6821789
	US6617170
	US6228843
US5932783	US6361935
US5948678	US6833252
	US6395959
US5955646	US6620986
	US6388170
US5962229	US6730828
	US6211435
	US6211434
US5965795	US6784351
US5968829	US6833269
	US6828145
	US6808702
	US6777233
	US6749850
	US6680198
	US6667176
	US6602680

(CONTINUED ON NEXT PAGE)

Detailed Table 4.30 (continued)
USPTO agricultural biotechnology patents and respective citing patents – 1976-2004

USPTO patent number	Citing patents
	US6576464
	US6498018
	US6468794
US5981727	US6723839
US5985620	US6680301
US5994123	US6666886
	US6489462
	US6762346
US6001628	US6670525
	US6255563
	US6255561
US6004783	US6607899
	US6472185
	US6361947
US6008032	US6812018
US6013486	US6569648
US6018105	US6703349
	US6617498
	US6472164
US6051754	US6825017
	US6459018
US6057103	US6773900
	US6740506
	US6716631
	US6713282
	US6713281
	US6713279
	US6709841
	US6653072
	US6635449
	US6613514
	US6602986
	US6602675
	US6596539
	US6586182
	US6579678
	US6576757
	US6576467
	US6573098
	US6569435
	US6555315
	US6541011
	US6537776
	US6537746
	US6528311
	US6518065
	US6506603
	US6506602
	US6500617
	US6482647

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Detailed Table 4.30 (continued)
USPTO agricultural biotechnology patents and respective citing patents – 1976-2004

USPTO patent number	Citing patents
	US6455253
	US6444468
	US6413774
	US6413745
	US6406910
	US6406855
	US6395547
	US6391552
	US6387702
	US6379964
	US6372497
	US6368805
	US6368793
	US6365408
	US6365377
	US6361974
	US6358742
	US6358740
	US6358709
	US6355484
	US6352859
	US6352842
	US6344356
	US6335198
	US6335160
	US6326204
	US6323030
	US6319713
	US6297053
	US6291242
	US6287861
	US6277638
	US6251674
	US6180406
US6063570	US6645751
US6074830	US6806060
	US6740498
	US6733963
	US6723529
	US6689578
	US6632631
US6096547	US6815184
	US6774283
US6117665	US6762346
	US6670525
	US6255563
	US6255561
US6221595	US6645720
US6268549	US6768044
	US6831208

(CONTINUED ON NEXT PAGE)

Detailed Table 4.30 (continued)
USPTO agricultural biotechnology patents and respective citing patents – 1976-2004

USPTO patent number	Citing patents
US6271360	US6479292
US6287862	US6825038
	US6808894
	US6737268
	US6656736
	US6576468
US6294663	US6797504
US6297369	US6706860
US6306656	US6777203
	US6610839
US6309840	US6803215
US6309883	US6613514
US6323395	US6620986
US6326204	US6703200
US6355464	US6590087
US6372497	US6764835
	US6605449
US6403309	US6824981
	US6653082
US6432650	US6777181
US6441151	US6638753
US6444876	US6579974
US6495740	US6555581
US6495742	US6706866
	US6670528
US6541259	US6825398
	US6787683
US6544739	US6757046
US6573433	US6797865
	US6750383
US6576235	US6783965
US6583342	US6815585
US6589783	US6814963
US6605761	US6806406
US6605762	US6797865
US6610661	US6787524
US6610910	US6806404
	US6791016
US6613965	US6797866
US6683169	US6803186

Source: USPTO (2004).

Note: The analysis covered patents belonging to subclass C12N or group C07H-21, according to the International Patent Classification. See <<http://pesquisa.inpi.gov.br/ipc/index.php/>>.

Detailed Table 4.31 (continued)

SCIE- and SSCI-indexed Brazilian nanotechnology publications by institutional co-authorship pairs – Brazil, 2002-2006 (cumulative)

Co-author institution	Abbrev.	Location	SCIE- and SSCI-indexed Brazilian nanotechnology publications																																	
			Total	USP	Unicamp	UFSCar	UFC	UFPE	Unesp	UnB	UFMG	UFRGS	UFRN	CTA	LNLS	UF RJ	UFSC	UFU	PUC RIO	UFF	UF SJ	UF SM	UF PR	UF G	IPEN	INPE	UF BA	Univap	Uerj	Ufam	UFF	USF	Ufop			
Fundação Centro Tecnológico de Minas Gerais	Cetec	Other	2							1																										
Universidade de Caxias do Sul	UCS	Other	2	1						1				1	1																					
Instituto Militar de Engineering	IME	Other	2	2																																
Instituto Butantan	I Butantan	SP	2	2	1																															
Universidade Federal da Paraíba	UFPB	Other	2		1																															
Serviço Nacional de Aprendizagem Comercial	Senac	SP	2	2										1																						
Rhodia	Rhodia	SP	1	1	1										1																					
Centro Estadual de Educação Tecnológica Paula Souza	Ceeteps	SP	1	1	1																															
Instituto de Pesquisas da Marinha	IPQM	Other	1							1					1																					
Universidade Metodista de Piracicaba	Unimep	SP	1						1																											
Centro de Tecnologias do Gás	CTGAS	Other	1									1																								
Universidade Federal do Tocantins	UFT	Other	1	1																																
Universidade Federal de Campina Grande	UFCG	Other	1																																	
Universidade Estadual de Ponta Grossa	UEPG	Other	1	1	1				1																											
Universidade Federal do Pará	UFPA	Other	1	1																																
Instituto Nacional de Metrologia, Normalização e Qualidade Industrial	Inmetro	Other	1		1										1																					
Centro Federal de Educação Tecnológica da Bahia	Cefet BA	Other	1	1	1																															
Centro Federal de Educação Tecnológica do Paraná	Cefet PR	Other	1												1																					
Acesita	Acesita	Other	1							1																										
Centro de Desenvolvimento da Tecnologia Nuclear	CDTN	Other	1							1																										
Universidade Federal de São Paulo	Unifesp	SP	1	1	1																															
Universidade de Mogi das Cruzes	UMC	SP	1																																	
Companhia Brasileira de Metalurgia e Mineração	CBMM	Other	1	1																																
Brasimet	Brasimet	SP	1																																	
Universidade Estadual do Rio Grande do Norte	UERN	Other	1			1							1																							
Universidade Federal de Pelotas	UFPEL	Other	1											1	1																					
Universidade Santa Cecília	Unisant	SP	1	1																																
Fundação Oswaldo Cruz	Fiocruz	Other	1						1																											
Universidade do Vale do Itajaí	Univali	Other	1			1							1																							
Lupatech	Lupatech	Other	1																																	
Villares Metals	Villares Metals	SP	1																																	
Universidade do Extremo Sul Catarinense	Unesc	Other	1																																	
Companhia Siderúrgica Nacional	CSN	Other	1																																	
Centro Universitário da Fundação Educacional de Barretos	Unifeb	SP	1	1	1				1																											
Lasertools	Lasertools	SP	1																																	
Empresa Brasileira de Aeronáutica	Embraer	SP	1																																	
Universidade Estadual do Centro-Oeste	Unicentro	Other	1	1																																
Universidade do Vale do Rio dos Sinos	Unisinos	Other	1																																	

Source: Thomson Reuters (2008), SCIE & SSCI via Web of Science.

Detailed Table 4.33
SCIE- and SSCI-indexed and Derwent Innovations-indexed Brazilian nanotechnology publications and patents – Brazil, 1998-2006

Publications & patents	SCIE- and SSCI-indexed and Derwent Innovations-indexed Brazilian nanotechnology publications and patents													
	Absolute numbers										1998 - 2002		2002 - 2006	
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Growth rate (%) (1)	Absolute numbers	Growth rate (%) (1)	
Scientific publications	44	20	38	42	55	125	102	115	122	199	25.0	519	121.8	
Patents	1	2	3	4	9	16	27	19	21	19	800.0	92	133.3	

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*; *Derwent Innovations Index*.

(1) Growth in the last year of the period compared with the first.

Detailed Table 4.34
SCIE- and SSCI-indexed Brazilian climate change publications by institutional co-authorship pairs – Brazil, 1998-2007 (cumulative)

Co-author institution	Abbrev.	Location	SCIE- and SSCI-indexed Brazilian climate change publications by co-author institution																											
			Total	USP	INPE	UFPA	ipam	UFRGS	UFV	MPEG	UnB	Funceme	Imet	Embrapa	Unicamp	Inpa	Ibama	UFMG	Imazon	Senac-SP	Ufal	Inst. Geol.	Ufac	Ipam	Cria	IAC	Ufram	CTA	UFCC	
Universidade de São Paulo	USP	SP	14	3	1	1	1	2	2	2	3	1	1	2	3	1	1	2	2	2	1	1	1	1	1	1	1	1	1	
Instituto Nacional de Pesquisas Espaciais	INPE	SP	13	3	2	2	2	2	1	3	2	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Universidade Federal do Pará	UFPA	Other	6	1	2	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Inst. Proteção Ambiental do Estado do Amazonas	Ipam	Other	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Universidade Federal do Paraná	UFPR	Other	4	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Universidade Federal do Rio Grande do Sul	UFRGS	Other	4	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Universidade Federal de Viçosa	UFV	Other	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Museu Paraense Emílio Goeldi	MPEG	Other	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Universidade de Brasília	UnB	Other	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Fundação Cearense de Meteorologia e Rec. Hídricos	Funceme	Other	3	2	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Inst. Nacional Meteorologia	Imet	Other	3	3	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Empresa Bras. de Pesq. Agropecuária	Embrapa	SP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Universidade Estadual de Campinas	Unicamp	SP	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Instituto Nacional de Pesquisas da Amazônia	Inpa	Other	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Inst. Bras. do Meio Amb. e dos Rec. Naturais Renováveis	Ibama	Other	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Universidade Federal de Minas Gerais	UFMG	Other	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Instituto do Homem e Meio Ambiente da Amazônia	Imazon	Other	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Senac São Paulo	Senac-SP	SP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Universidade Federal de Alagoas	Ufal	Other	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Inst. Geologia	Inst. Geol.	SP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Universidade Federal do Acre	Ufac	Other	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Inst. de Pesquisa Ambiental da Amazônia	Ipam	Other	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Centro de Referência em Informação Ambiental	Cria	SP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Instituto Agrônomo de Campinas	IAC	SP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Universidade Federal Rural da Amazônia	Ufram	Other	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Comando-Geral de Tecnologia Aeroespacial	CTA	SP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Universidade Federal de Campina Grande	UFCC	Other	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Source: Thomson Reuters (2008), SCIE & SSCI via Web of Science.

Detailed Table 4.36
SCIE- and SSCI-indexed sugarcane breeding publications by geographical coverage – World, Brazil & São Paulo State, 1998-2006

Geographical coverage	SCIE- and SSCI-indexed sugarcane breeding publications										
	Absolute numbers									1998 - 2006	
	1998	1999	2000	2001	2002	2003	2004	2005	2006	Absolute numbers	Contribution (%) (1)
World	46	63	59	91	74	86	84	79	108	690	100,0
Brazil	4	4	5	41	16	15	14	14	26	139	20,1
São Paulo State	1	0	2	30	10	10	9	7	13	82	11,9

Source: Thomson Reuters (2008), SCIE & SSCI via *Web of Science*.

(1) As a percentage of the world total.

Detailed Table 4.37

SCIE- and SSCI-indexed Brazilian genomics publications by institutional and unit co-authorship pairs – Brazil, 1983-2006 (cumulative) – first part

SCIE- and SSCI-indexed Brazilian genomics publications by co-author institution

Co-author institution & unit	Unifesp-Medicina-São Paulo-SP	USP-Medicina-São Paulo-SP	Unicamp-Medicina-Campinas-SP	USP-Medicina-Ribeirão Preto-SP	UFRJ-ICB-Rio de Janeiro-RJ	USP-Química-São Paulo-SP	Fiocruz-Rio de Janeiro-RJ	UFRJ-Biofísica-Rio de Janeiro-RJ	USP-ICB-São Paulo-SP	Univap-IPD-São José dos Campos-SP	UFMG-Medicina-Belo Horizonte-MG	Fiocruz-Belo Horizonte-MG	Unicamp-Biologia-Campinas-SP	USP-Química-São Carlos-SP	USP-Física-São Carlos-SP	Unicamp-Física-Campinas-SP	UFRGS-Medicina-Porto Alegre-RS	UFMG-Biologia-Belo Horizonte-MG	Inst. Nac. Câncer-Medicina-Rio de Janeiro-RJ	USP-Química-Ribeirão Preto-SP	Inst. Ludwig-Medicina-São Paulo-SP	Hosp. AC Camargo-Medicina-São Paulo-SP	USP-Farmácia-Ribeirão Preto-SP	UFBA-Odontologia-Salvador-BA	USP-Biologia-São Paulo-SP	UnB-Biologia-Brasília-DF	UFMG-ICB-Belo Horizonte-MG	USP-Odontologia-São Paulo-SP	UFRGS-Biologia-Porto Alegre-RS	IPEN-São Paulo-SP		
Unifesp – Medicina – São Paulo – SP	136	4	1	3	5	4	0	1	1	0	2	0	1	0	0	0	1	0	0	0	4	2	1	0	1	0	0	0	0	2		
USP – Medicina – São Paulo – SP	4	109	8	8	1	1	2	0	5	4	1	0	0	0	0	1	0	0	0	0	4	6	1	0	2	0	0	1	0	0		
Unicamp – Medicina – Campinas – SP	1	8	73	1	0	2	1	0	1	2	0	0	2	1	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
USP – Medicina – Ribeirão Preto – SP	3	8	1	65	0	2	0	0	0	0	1	0	0	0	3	0	0	1	0	2	1	0	5	0	0	3	0	0	0	0		
UFRJ – ICB – Rio de Janeiro – RJ	5	1	0	0	62	1	7	18	2	0	0	0	0	0	0	0	0	0	5	0	1	0	0	0	0	0	0	0	0	0		
USP – Química – São Paulo – SP	4	1	2	2	1	60	0	0	1	0	0	0	2	2	1	0	0	0	1	3	2	1	0	4	0	1	1	0	0	0		
Fiocruz – Rio de Janeiro – RJ	0	2	1	0	7	0	59	4	0	2	1	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0		
UFRJ – Biofísica – Rio de Janeiro – RJ	1	0	0	0	18	0	4	42	1	0	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	1	0		
USP – ICB – São Paulo – SP	1	5	1	0	2	1	0	1	34	0	0	1	1	0	0	0	1	1	2	0	0	0	0	2	0	0	0	0	0	2		
Univap – IPD – São José dos Campos – SP	0	4	2	0	0	0	2	0	0	34	0	0	0	0	0	0	0	0	3	0	1	0	12	0	1	0	1	0	0	0		
UFMG – Medicina – Belo Horizonte – MG	2	1	0	1	0	0	1	0	0	0	33	14	0	0	0	0	1	3	0	0	1	0	0	0	0	0	0	4	0	0	0	
Fiocruz – Belo Horizonte – MG	0	0	0	0	0	0	2	0	1	0	14	30	0	0	0	0	0	8	0	0	0	0	0	0	0	0	9	0	0	0	0	
Unicamp – Biologia – Campinas – SP	1	0	2	0	0	2	0	0	1	0	0	0	28	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
USP – Química – São Carlos – SP	0	0	1	0	0	2	0	1	0	0	0	0	0	25	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
USP – Física – São Carlos – SP	0	0	0	3	0	1	0	0	0	0	0	0	0	5	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unicamp – Física – Campinas – SP	0	1	13	0	0	0	0	0	0	0	0	0	2	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UFRGS – Medicina – Porto Alegre – RS	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	3	0	
UFMG – Biologia – Belo Horizonte – MG	0	0	0	1	0	0	0	0	1	0	3	8	0	0	0	0	0	22	0	0	0	1	0	0	0	0	1	0	0	0	0	
Inst. Nac. Câncer – Medicina – Rio de Janeiro – RJ	0	0	0	0	5	0	1	4	2	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	
USP – Química – Ribeirão Preto – SP	0	0	0	2	0	1	0	0	0	3	0	0	0	0	0	0	0	0	20	0	0	4	0	0	1	0	0	0	0	0	0	
Inst. Ludwig – Medicina – São Paulo – SP	4	4	0	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	18	10	0	0	0	0	2	0	0	0	0	0	
Hosp AC Camargo – Medicina – São Paulo – SP	2	6	0	0	0	2	0	0	0	1	1	0	0	0	0	0	0	1	0	0	10	19	0	0	0	0	1	0	0	0	0	
USP – Farmácia – Ribeirão Preto – SP	1	1	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	17	0	0	0	0	0	0	0	0	0	
UFBA – Odontologia – Salvador – BA	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	1	0	0	0	0	
USP – Biologia – São Paulo – SP	1	2	0	0	0	4	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	
UnB – Biologia – Brasília – DF	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	16	0	0	0	0	0	0	
UFMG – ICB – Belo Horizonte – MG	0	0	0	0	1	0	0	0	0	4	9	0	0	0	0	0	0	1	0	0	2	1	0	0	0	16	0	0	0	0	0	
USP – Odontologia – São Paulo – SP	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	15	0	3	0	0	
UFRGS – Biologia – Porto Alegre – RS	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0

Detailed Table 4.37 (continued)

SCIE- and SSCI-indexed Brazilian genomics publications by institutional and unit co-authorship pairs – Brazil, 1983-2006 (cumulative) – first part

Co-author institution & unit	SCIE- and SSCI-indexed Brazilian genomics publications by co-author institution																													
	Unifesp – Medicina – São Paulo – SP	USP – Medicina – São Paulo – SP	Unicamp – Medicina – Campinas – SP	USP – Medicina – Ribeirão Preto – SP	UFRJ – ICB – Rio de Janeiro – RJ	USP – Química – São Paulo – SP	Fiocruz – Rio de Janeiro – RJ	UFRJ – Biofísica – Rio de Janeiro – RJ	USP – ICB – São Paulo – SP	Univap – IPD – São José dos Campos – SP	UFMG – Medicina – Belo Horizonte – MG	Fiocruz – Belo Horizonte – MG	Unicamp – Biologia – Campinas – SP	USP – Química – São Carlos – SP	USP – Física – São Carlos – SP	Unicamp – Física – Campinas – SP	UFRRGS – Medicina – Porto Alegre – RS	UFMG – Biologia – Belo Horizonte – MG	Inst. Nac. Câncer – Medicina – Rio de Janeiro – RJ	USP – Química – Ribeirão Preto – SP	Inst. Ludwig – Medicina – São Paulo – SP	Hosp. AC Camargo – Medicina – São Paulo – SP	USP – Farmácia – Ribeirão Preto – SP	UFBA – Odontologia – Salvador – BA	USP – Biologia – São Paulo – SP	UnB – Biologia – Brasília – DF	UFMG – ICB – Belo Horizonte – MG	USP – Odontologia – São Paulo – SP	UFRRGS – Biologia – Porto Alegre – RS	IPEN – São Paulo – SP
IPEN – São Paulo – SP	2	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	14
USP – Matemática – São Paulo – SP	0	2	0	0	0	4	0	0	1	0	0	0	1	0	0	0	0	0	0	0	5	6	0	0	1	0	0	0	0	0
USP – Biologia – Ribeirão Preto – SP	0	0	0	5	0	1	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
UFRJ – Medicina – Rio de Janeiro – RJ	1	0	0	0	4	0	1	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Uerj – Biologia – Rio de Janeiro – RJ	2	0	0	0	3	0	4	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
USP – Farmácia – São Paulo – SP	0	4	1	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
Inst. Adolfo Lutz – São Paulo – SP	1	4	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Hosp. Albert Einstein – Medicina – São Paulo – SP	3	4	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0
Embrapa – Brasília – DF	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Unesp – Biologia – Botucatu – SP	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
UFBA – Medicina – Salvador – BA	2	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Inst. Olhos Goiânia – Medicina – Goiânia – GO	0	0	0	2	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UFSC – Biologia – Florianópolis – SC	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UFMG – Física – Belo Horizonte – MG	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0
USP – Física – São Paulo – SP	1	1	0	2	0	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USP – Bioinformática – São Paulo – SP	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	1	0	0	0	0	0	0
Unesp – Veterinária – Jaboticabal – SP	0	0	0	1	0	2	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UMC – Biologia – Mogi das Cruzes – SP	1	0	1	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
UFSCar – Biologia – São Carlos – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Butantan – São Paulo – SP	1	2	0	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
USP – Física – Ribeirão Preto – SP	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Unicamp – Química – Campinas – SP	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unesp – Física – São José do Rio Preto – SP	0	0	0	1	0	1	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Uerj – Medicina – Rio de Janeiro – RJ	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
UEL – Biologia – Londrina – PR	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
LNLS – Campinas – SP	2	0	0	1	1	1	0	1	1	0	0	4	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
USP – Veterinária – São Paulo – SP	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
USP – Odontologia – Ribeirão Preto – SP	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
USP – Odontologia – Bauru – SP	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0

Detailed Table 4.37 (continued)

SCIE- and SSCI-indexed Brazilian genomics publications by institutional and unit co-authorship pairs – Brazil, 1983-2006 (cumulative) – first part

Co-author institution & unit	SCIE- and SSCI-indexed Brazilian genomics publications by co-author institution																															
	Unifesp – Medicina – São Paulo – SP	USP – Medicina – São Paulo – SP	Unicamp – Medicina – Campinas – SP	USP – Medicina – Ribeirão Preto – SP	UFRJ – ICB – Rio de Janeiro – RJ	USP – Química – São Paulo – SP	Fiocruz – Rio de Janeiro – RJ	UFRJ – Biofísica – Rio de Janeiro – RJ	USP – ICB – São Paulo – SP	Univap – IPD – São José dos Campos – SP	UFMG – Medicina – Belo Horizonte – MG	Fiocruz – Belo Horizonte – MG	Unicamp – Biologia – Campinas – SP	USP – Química – São Carlos – SP	USP – Física – São Carlos – SP	Unicamp – Física – Campinas – SP	UFRRGS – Medicina – Porto Alegre – RS	UFMG – Biologia – Belo Horizonte – MG	Inst. Nac. Câncer – Medicina – Rio de Janeiro – RJ	USP – Química – Ribeirão Preto – SP	Inst. Ludwig – Medicina – São Paulo – SP	Hosp. AC Camargo – Medicina – São Paulo – SP	USP – Farmácia – Ribeirão Preto – SP	UFBA – Odontologia – Salvador – BA	USP – Biologia – São Paulo – SP	UnB – Biologia – Brasília – DF	UFMG – ICB – Belo Horizonte – MG	USP – Odontologia – São Paulo – SP	UFRRGS – Biologia – Porto Alegre – RS	IPEN – São Paulo – SP		
USP – ESALQ – Piracicaba – SP	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		
Unicamp – Eng. Elétrica – Campinas – SP	0	0	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unesp – Biologia – São José do Rio Preto – SP	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UnB – Física – Brasília – DF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	
UFPE – Odontologia – Recife – PE	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	
Unf – Biologia – Campos – RJ	0	0	0	0	0	0	1	4	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
Fiocruz – Salvador – BA	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
USP – São Paulo – SP	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	
Unesp – Odontologia – Araraquara – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UnB – Medicina – Brasília – DF	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
UFRJ – Farmácia – Rio de Janeiro – RJ	0	0	0	0	6	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Santa Casa – Medicina – Porto Alegre – RS	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lab. Fleury – Medicina – São Paulo – SP	5	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
IAC – Cordeirópolis – SP	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
Hosp. Sírio-Libanês – Medicina – São Paulo – SP	0	1	1	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Excimer Laser Hosp. Santa Cruz – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unicamp – Odontologia – Piracicaba – SP	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unesp – Química – Araraquara – SP	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
Unesp – Medicina – Botucatu – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UFV – Biologia – Viçosa – MG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UFU – Química – Uberlândia – MG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	
UFRJ – Rio de Janeiro – RJ	0	0	0	0	0	1	1	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
UFRJ – Física – Rio de Janeiro – RJ	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UFRJ – Biologia – Rio de Janeiro – RJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UFPE – Física – Recife – PE	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
UFPE – Biofísica – Recife – PE	0	0	3	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ufop – Farmácia – Ouro Preto – MG	0	0	0	0	0	0	0	0	0	4	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
UFMG – Veterinária – Belo Horizonte – MG	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UFGO – Química – Goiânia – GO	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	

Detailed Table 4.37 (continued)

SCIE- and SSCI-indexed Brazilian genomics publications by institutional and unit co-authorship pairs – Brazil, 1983-2006 (cumulative) – first part

Co-author institution & unit	SCIE- and SSCI-indexed Brazilian genomics publications by co-author institution																																		
	Unifesp – Medicina – São Paulo – SP	USP – Medicina – São Paulo – SP	Unicamp – Medicina – Campinas – SP	USP – Medicina – Ribeirão Preto – SP	UFRRJ – ICB – Rio de Janeiro – RJ	USP – Química – São Paulo – SP	Fiocruz – Rio de Janeiro – RJ	UFRRJ – Biofísica – Rio de Janeiro – RJ	USP – ICB – São Paulo – SP	Univap – IPD – São José dos Campos – SP	UFMG – Medicina – Belo Horizonte – MG	Fiocruz – Belo Horizonte – MG	Unicamp – Biologia – Campinas – SP	USP – Química – São Carlos – SP	USP – Física – São Carlos – SP	Unicamp – Física – Campinas – SP	UFRRGS – Medicina – Porto Alegre – RS	UFMG – Biologia – Belo Horizonte – MG	Inst. Nac. Câncer – Medicina – Rio de Janeiro – RJ	USP – Química – Ribeirão Preto – SP	Inst. Ludwig – Medicina – São Paulo – SP	Hosp. AC Camargo – Medicina – São Paulo – SP	USP – Farmácia – Ribeirão Preto – SP	UFBA – Odontologia – Salvador – BA	USP – Biologia – São Paulo – SP	UnB – Biologia – Brasília – DF	UFMG – ICB – Belo Horizonte – MG	USP – Odontologia – São Paulo – SP	UFRRGS – Biologia – Porto Alegre – RS	IPEN – São Paulo – SP					
Hosp. Alemão Oswaldo Cruz – Medicina – São Paulo – SP	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Gastromed Inst. – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Fundecitrus – Araraquara – SP	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Fundação Oncocr São Paulo – Medicina – São Paulo – SP	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Fund. pró-sangue – Medicina – São Paulo – SP	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Fifty Med. Res. – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Fdn. Maria Cecília Souto Vidigal – São Paulo – SP	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Fdn. ABC – Medicina – São Paulo – SP	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Exército Brasileiro – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1			
Embrapa – Ribeirão Preto – SP	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Embrapa – Cordeirópolis – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
Ctr. Univ. Salesiano – Lorena – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Copersucar – São Paulo – SP	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Clin. Miyake – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cetesb – São Paulo – SP	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Brazilian Assoc. Laser Surgery – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Adv. Grp. Laparoscop Surg. – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABC Ocular Laser Ctr. – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Source: Thomson Reuters (2008), *Web of Science*.

Detailed Table 4.37 (continued)

SCIE- and SSCI-indexed Brazilian genomics publications by institutional and unit co-authorship pairs – Brazil, 1983-2006 (cumulative) – final part

Co-author institution & unit	SCIE- and SSCI-indexed Brazilian genomics publications by co-author institution																												
	UFPE – Biofísica – Recife – PE	Ufop – Farmácia – Ouro Preto – MG	UFMG – Veterinária – Belo Horizonte – MG	UFGO – Química – Goiânia – GO	UFGO – Medicina – Goiânia – GO	UFCE – Medicina – Fortaleza – CE	Senac – São Paulo – SP	Santa Casa – Medicina – São Paulo – SP	PUC – RS – Odontologia – Porto Alegre – RS	Hosp. Serv. Estado – Medicina – São Paulo – SP	USP – Cena – Piracicaba – SP	Unesp – Odontologia – São José dos Campos – SP	Unesp – Farmácia – Araraquara – SP	UFSCar – Química – São Carlos – SP	USP – Eng. Elétrica – São Carlos – SP	USF – Medicina – Bragança Paulista – SP	UFSCar – Física – São Carlos – SP	Consultores Retina & Associados – Medicina – Araraquara – SP	USP – Matemática – São Carlos – SP	USP – Enfermagem – Ribeirão Preto – SP	USP – Computação – São Paulo – SP	USP – Computação – São Carlos – SP	Unimep – Piracicaba – SP	Unimar – Odontologia – Marília – SP	Unicamp – Eng. Biomédica – Campinas – SP	Unicamp – Computação – Campinas – SP	Unesp – Biologia – Rio Claro – SP	Laser Vis. Ctr. Med. Cúmica Sísmagem – Medicina – São Paulo – SP	Inst. Invest. Imunol. – São Paulo – SP
Hosp. Alemão Oswaldo Cruz – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gastromed Inst. – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fundecitrus – Araraquara – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Fundação Oncoctr. São Paulo – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fund. pró-sangue – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fifty Med. Res. – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fdn. Maria Cecília Souto Vidigal – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fdn. ABC – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exército Brasileiro – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Embrapa – Ribeirão Preto – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Embrapa – Cordeirópolis – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ctr. Univ. Salesiano – Lorena – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Copersucar – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clin. Miyake – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cetesb – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brazilian Assoc. Laser Surgery – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adv. Grp. Laparoscop. Surg. – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABC Ocular Laser Ctr. – Medicina – São Paulo – SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Source: Thomson Reuters (2008), *Web of Science*.

