

Company	Country	Region	Sector	Output	IC(%)	NI	Q1(%)	Spec	Exc	Exc(%)	Lead	Lead(%)	Exc & Lead	Exc & Lead (%)
IBM Corporation	USA	NA	ICT	15,593	35.3	2.3	41.4	0.9	2,983	26.1	8,970	57.5	1,684	14.7
Pfizer Inc.	USA	NA	PHAR	11,559	28.4	2.2	78.5	0.8	3,044	26.5	5,300	45.9	1,074	9.3
Nippon Telegraph and Telephone Corporation	JPN	AS	ICT	9,428	13.0	0.9	30.4	0.9	814	11.0	6,932	73.5	524	7.1
Merck & Co., Inc.	USA	NA	PHAR	9,137	28.6	2.3	79.9	0.8	2,511	27.7	5,061	55.4	1,164	12.8
Intel Corporation	USA	NA	ICT	7,575	23.2	2.4	40.4	0.9	1,340	24.4	3,475	45.9	589	10.7
Samsung Electronics	KOR	AS	ICT	7,225	20.8	1.2	39.9	0.9	735	13.1	3,469	48.0	312	5.6
China Petroleum and Chemical Corporation	CHN	AS	ENERG	6,948	3.6	0.3	7.9	1.0	156	2.3	3,872	55.7	44	0.7
Hitachi Limited	JPN	AS	ICT	6,689	12.3	1.0	33.7	0.8	448	8.3	3,954	59.1	193	3.6
Interuniversity Microelectronics Center	BEL	WE	ICT	6,282	51.9	1.9	45.9	0.9	963	20.6	3,652	58.1	571	12.2
Microsoft Corporation	USA	NA	ICT	5,428	32.8	2.9	36.6	0.9	1,321	33.3	2,699	49.7	636	16.0
Siemens AG	DEU	WE	ICT	5,155	35.8	1.3	28.7	0.8	568	14.6	2,331	45.2	150	3.9
Toshiba Corporation	JPN	AS	ICT	4,770	10.2	1.0	29.5	0.9	289	7.9	3,000	62.9	161	4.4
GlaxoSmithKline, United States	USA	NA	PHAR	4,687	36.2	2.4	79.7	0.8	1,252	26.9	1,779	38.0	361	7.8
Eli Lilly and Company	USA	NA	PHAR	4,678	33.1	2.4	79.5	0.8	1,297	27.9	2,129	45.5	491	10.6
GlaxoSmithKline, United Kingdom	GBR	WE	PHAR	4,585	47.4	2.0	77.0	0.8	1,106	24.3	1,301	28.4	264	5.8
Alcatel-Lucent	USA	NA	ICT	4,567	34.1	2.1	52.4	0.9	978	26.1	2,307	50.5	458	12.2
Novartis	CHE	WE	PHAR	4,477	74.6	2.6	80.9	0.8	1,431	32.2	1,641	36.7	453	10.2
F. Hoffmann-La Roche, Ltd.	USA	NA	PHAR	3,862	32.4	3.2	83.4	0.8	1,347	35.0	1,387	35.9	441	11.5
PetroChina	CHN	AS	ENERG	3,629	6.1	0.5	12.1	1.0	170	5.1	1,677	46.2	75	2.2
Philips Research Eindhoven	NLD	WE	ICT	3,620	41.0	2.0	44.0	0.8	637	23.0	1,722	47.6	263	9.5
Nippon Electric Company Corporation	JPN	AS	ICT	3,352	14.4	1.2	36.7	0.9	322	12.4	1,976	59.0	169	6.5
SINTEF Group	NOR	WE	ICT	3,318	34.5	1.4	39.6	0.7	465	17.3	1,627	49.0	182	6.8
STMicroelectronics	FRA	WE	ICT	3,117	24.5	1.6	39.3	0.9	328	16.4	1,337	42.9	113	5.6
Fujitsu Laboratories Ltd.	JPN	AS	ICT	3,097	16.3	1.0	31.4	0.8	244	9.8	1,820	58.8	122	4.9
Texas Instruments	USA	NA	ICT	2,912	19.8	1.8	38.3	0.9	396	17.2	1,664	57.1	205	8.9
Thales Group France, S.A.	FRA	WE	ICT	2,849	36.4	1.0	28.8	0.9	199	11.4	1,215	42.7	65	3.7
General Electric Company United States	USA	NA	ENERG	2,810	20.1	1.4	37.0	0.8	353	16.6	1,654	58.9	183	8.6
Infineon Technologies	DEU	WE	ICT	2,770	43.9	1.5	36.6	0.9	274	14.5	1,421	51.3	117	6.2
Amgen	USA	NA	PHAR	2,743	27.3	2.5	80.4	0.8	840	30.8	1,019	37.2	256	9.4
Mitsubishi Electric Corporation	JPN	AS	ICT	2,609	10.8	0.8	24.1	0.9	133	6.8	1,736	66.5	58	3.0
DuPont	USA	NA	CHEM	2,526	27.4	1.6	59.5	0.8	467	20.4	1,239	49.1	182	7.9
Bayer AG	DEU	WE	PHAR	2,458	47.6	1.8	61.4	0.8	482	20.1	857	34.9	130	5.4
Bristol-Myers Squibb Company	USA	NA	PHAR	2,424	24.3	2.8	79.1	0.9	630	26.2	1,122	46.3	210	8.7
Abbott Laboratories United States	USA	NA	PHAR	2,368	21.8	1.9	78.0	0.8	576	24.6	1,267	53.5	261	11.1
Northrop Grumman Corporation	USA	NA	ICT	2,277	7.3	1.3	30.7	0.8	221	13.1	1,198	52.6	73	4.3

Petrobras	BRA	LA	ENERG	2,111	23.8	0.6	22.2	0.9	95	6.1	891	42.2	24	1.5
Microsoft Research Asia	CHN	AS	ICT	2,055	44.3	2.4	29.4	1.0	383	29.0	634	30.9	132	10.0
Dow Chemical Company	USA	NA	MATER	2,049	25.1	0.9	44.3	0.9	186	10.9	1,102	53.8	50	2.9
Electricite de France, S.A.	FRA	WE	ENERG	2,033	25.8	1.0	36.5	0.9	211	13.9	926	45.6	57	3.8
Raytheon Company	USA	NA	ICT	1,989	14.8	1.1	30.5	0.9	176	11.5	1,056	53.1	56	3.7
France Telecom, S.A.	FRA	WE	ICT	1,943	24.3	1.4	18.1	0.9	192	16.7	1,245	64.1	96	8.4
AstraZeneca R&D	SWE	WE	PHAR	1,834	58.1	2.5	80.6	0.8	483	26.5	385	21.0	69	3.8
Hewlett Packard Labs	USA	NA	ICT	1,802	30.0	1.8	34.2	0.9	300	23.3	954	52.9	144	11.2
Nokia Research Center	USA	NA	ICT	1,712	57.8	1.6	19.3	0.9	175	19.0	823	48.1	66	7.2
F. Hoffmann-La Roche, Ltd.	CHE	WE	PHAR	1,653	70.5	2.6	78.0	0.8	482	29.3	569	34.4	160	9.7
Toyota Central R&D Labs. Inc.	JPN	AS	ENERG	1,635	18.2	1.5	53.6	0.9	256	17.9	1,008	61.7	154	10.8
BASF AG	DEU	WE	PHAR	1,617	46.5	1.3	54.6	0.8	258	16.6	558	34.5	40	2.6
IBM Research	CAN	NA	ICT	1,592	99.7	2.7	53.8	0.9	430	32.4	840	52.8	210	15.8
Novo Nordisk A/S	DNK	WE	PHAR	1,569	59.6	2.3	77.4	0.8	377	24.2	467	29.8	68	4.4
Pfizer Ltd	GBR	WE	PHAR	1,563	47.2	1.8	74.5	0.9	375	24.2	575	36.8	129	8.3
AT&T Labs Research	USA	NA	ICT	1,503	31.0	2.4	43.1	0.9	308	28.1	744	49.5	131	11.9
General Atomics	USA	NA	ENERG	1,472	35.9	1.9	69.7	1.0	232	17.0	644	43.8	81	5.9
Qualcomm Incorporated	USA	NA	ICT	1,461	24.9	2.7	54.4	1.0	324	28.1	830	56.8	160	13.9
Nestle Switzerland	CHE	WE	FOOD	1,456	66.0	1.8	77.8	0.8	361	25.3	702	48.2	149	10.4
Novartis Institutes for Biomedical Research	USA	NA	PHAR	1,443	62.9	2.6	85.7	0.9	541	37.7	442	30.6	145	10.1
European Aeronautic Defence and Space Company	DEU	WE	SPACE	1,438	42.5	1.3	20.2	0.9	79	11.0	792	55.1	33	4.6
Johnson & Johnson Pharmaceutical Research & Development, L.L.C	USA	NA	PHAR	1,392	28.6	2.1	81.3	0.9	382	27.7	760	54.6	168	12.2
Novartis Pharma SA, East Hanover	USA	NA	PHAR	1,387	51.5	3.9	77.1	0.8	517	37.4	306	22.1	73	5.3
Saudi Arabian Oil Company	SAU	ME	ENERG	1,380	43.2	0.5	11.3	0.9	55	6.8	983	71.2	21	2.6
SEMATECH	USA	NA	ICT	1,378	26.2	1.7	35.4	1.0	181	16.5	601	43.6	68	6.2
Statoil ASA	NOR	WE	ENERG	1,376	40.6	1.1	27.5	0.9	145	13.7	543	39.5	50	4.7
Sincrotrone Trieste	ITA	WE	MATER	1,368	73.9	1.1	71.9	0.9	153	11.5	296	21.6	35	2.6
Sanofi-Aventis, S.A.	FRA	WE	PHAR	1,356	52.5	2.1	72.1	0.8	318	23.5	299	22.1	66	4.9
NEC Corporation of America	USA	NA	ICT	1,351	27.6	2.0	41.5	0.9	264	28.6	620	45.9	124	13.4
GNS Science	NZL	OC	ENERG	1,343	62.1	1.6	71.8	0.9	294	22.5	631	47.0	125	9.6
IBM Zurich Research Laboratory	CHE	WE	ICT	1,304	57.9	2.8	50.2	0.9	368	35.6	753	57.8	217	21.0
Beijing Institute of Aeronautical Materials	CHN	AS	SPACE	1,285	4.0	0.3	13.7	1.0	39	3.1	856	66.6	13	1.0
BP America Inc.	USA	NA	ENERG	1,228	17.2	0.5	11.2	1.0	41	5.0	661	53.8	21	2.6
SAIC-Frederick, Inc.	USA	NA	PHAR	1,213	35.4	2.2	89.2	0.9	364	30.1	280	23.1	91	7.5
NXP Semiconductors	NLD	WE	ICT	1,205	41.9	1.7	39.9	0.9	147	19.0	502	41.7	61	7.9

AS Asia :: LA Latin America :: ME Middle East

NA Northern America :: WE Western Europe :: OC Oceania

Eastman Kodak Company	USA	NA	MATER	1,187	16.3	1.3	29.8	0.9	128	15.0	761	64.1	59	6.9
Taiwan Semiconductor Manufacturing Company Limited	TWN	AS	ICT	1,163	23.7	1.4	48.6	0.9	115	12.3	520	44.7	29	3.1
Microsoft Research Cambridge	GBR	WE	ICT	1,131	59.2	3.5	34.1	0.9	294	34.9	533	47.1	124	14.7
Atomic Energy of Canada Limited	CAN	NA	ENERG	1,059	27.0	1.0	27.5	0.9	69	11.4	688	65.0	19	3.2
AstraZeneca Pharmaceuticals, LP	USA	NA	PHAR	1,044	39.4	3.2	78.8	0.9	301	28.9	286	27.4	48	4.6
Corning Incorporated	USA	NA	MATER	1,035	22.5	1.3	53.0	0.9	145	16.9	632	61.1	83	9.7
Total	FRA	WE	ENERG	1,018	35.1	0.9	30.1	0.9	89	12.8	389	38.2	10	1.4
ABB Corporate Research Center - Switzerland	CHE	WE	ICT	1,007	49.7	1.5	21.5	0.9	96	13.2	614	61.0	47	6.5
Halliburton Oklahoma, Duncan	USA	NA	ENERG	1,001	18.2	0.3	4.1	1.0	14	2.6	539	53.9	3	0.6
Robert Bosch GmbH	DEU	WE	ICT	972	23.4	0.9	30.4	0.9	73	9.2	578	59.5	32	4.0
Palo Alto Research Center	USA	NA	ICT	964	21.4	2.6	45.8	0.9	214	29.1	550	57.1	125	17.0
AstraZeneca	GBR	WE	PHAR	955	49.0	2.6	76.0	0.8	224	23.8	246	25.8	48	5.1
Daimler AG	DEU	WE	AUTOM	857	27.7	1.2	25.8	0.9	92	13.0	464	54.1	44	6.2
Institute for the Study of Labor	DEU	WE	ECON	819	85.8	1.2	48.2	1.0	117	14.3	127	15.5	16	2.0
Tata Sons Limited	IND	AS	MATER	807	17.4	0.8	47.0	0.9	69	10.5	495	61.3	33	5.0
Mentor Graphics, Inc.	USA	NA	ICT	799	27.2	1.5	17.4	1.0	81	11.9	532	66.6	43	6.3
MITRE Corporation, McLean	USA	NA	ICT	788	3.8	0.7	11.8	0.9	40	8.3	619	78.6	20	4.1
Centocor, Incorporated	USA	NA	PHAR	778	36.0	3.3	81.1	0.9	250	32.1	274	35.2	55	7.1
DSO National Laboratories	SGP	AS	ICT	765	36.2	1.5	49.7	0.8	120	20.3	278	36.3	30	5.1
Science Applications International Corporation	USA	NA	ICT	745	17.2	1.1	43.5	0.8	81	14.0	292	39.2	15	2.6
Millennium Pharmaceuticals, Inc.	USA	NA	PHAR	735	32.4	2.9	84.0	0.9	220	30.1	201	27.4	39	5.3
ABB Corporate Research Center	SWE	WE	ICT	734	48.5	1.2	17.6	0.9	81	17.7	331	45.1	28	6.1
Merck KGAA	DEU	WE	PHAR	734	47.8	1.7	64.6	0.8	158	22.5	195	26.6	19	2.7
IBM Research Laboratory	ISR	ME	ICT	708	36.0	1.7	19.9	0.9	94	20.2	437	61.7	50	10.8
Sanofi-Aventis Deutschland GmbH	DEU	WE	PHAR	692	37.4	1.4	70.2	0.9	132	19.1	229	33.1	40	5.8
Schering-Plough Research Institute	USA	NA	PHAR	676	26.2	2.8	82.7	0.9	196	29.1	340	50.3	76	11.3
SAP AG	DEU	WE	ICT	670	34.0	1.4	13.0	0.9	58	14.5	410	61.2	31	7.8
IBM India Research Laboratory	IND	AS	ICT	639	49.8	1.2	24.3	0.9	59	15.4	392	61.4	25	6.5
Carl Zeiss AG	DEU	WE	MATER	616	45.5	1.6	28.7	0.9	80	13.6	248	40.3	15	2.6
Hewlett Packard	USA	NA	ICT	595	18.3	1.2	23.5	0.9	58	12.2	363	61.0	20	4.2

Indicators

Output.- Number of research papers (published between 2003 and 2010) with at least one author belonging to the company according to SCOPUS database, and after institution names disambiguation made by SCImago.

IC (%) International collaboration.- Share of total output with at least one author from a foreign country.

NI Normalized Impact.- Normalized citation by field of total output.

Q1 (Q1) Output in first quartile by SJR indicator.- Share of Total Output published in first quartile journals as ordered by SCImago Journal Rank indicator.

Spec Specialization Rate.- Specialization Rate (highest value mean highly specialized).

Exc Excellence Output.- Number of research papers included in the 10% of output more cited in each field.

Lead Leadership (Output as main contributor).- Number of research papers where the author of the company is the main contributor.

Exc & Lead Excellence with Leadership (Excellence output as main contributor).- Number of research papers in Excellence Output included in Leadership.