

Company	Country	Region	Sector	Output	IC(%)	NI	Q1(%)	Spec	Exc	Exc(%)	Lead	Lead(%)	Exc & Lead	Exc & Lead (%)
IBM Corporation	USA	NA	ICT	<b>15,593</b>	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	<b>11,559</b>	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	<b>9,428</b>	13.0	0.9	30.4	0.9	814	11.0	6,932	73.5	524	7.1
Merck & Co., Inc.	USA	NA	PHAR	<b>9,137</b>	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	<b>7,575</b>	23.2	2.4	40.4	0.9	1,340	24.4	3,475	45.9	589	10.7
Samsung Electronics	KOR	AS	ICT	<b>7,225</b>	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	<b>6,948</b>	3.6	0.3	7.9	1.0	156	2.3	3,872	55.7	44	0.7
Hitachi Limited	JPN	AS	ICT	<b>6,689</b>	12.3	1.0	33.7	0.8	448	8.3	3,954	59.1	193	3.6
Interuniversity Microelectronics Center	BEL	WE	ICT	<b>6,282</b>	51.9	1.9	45.9	0.9	963	20.6	3,652	58.1	571	12.2
Microsoft Corporation	USA	NA	ICT	<b>5,428</b>	32.8	2.9	36.6	0.9	1,321	33.3	2,699	49.7	636	16.0
Siemens AG	DEU	WE	ICT	<b>5,155</b>	35.8	1.3	28.7	0.8	568	14.6	2,331	45.2	150	3.9
Toshiba Corporation	JPN	AS	ICT	<b>4,770</b>	10.2	1.0	29.5	0.9	289	7.9	3,000	62.9	161	4.4
GlaxoSmithKline, United States	USA	NA	PHAR	<b>4,687</b>	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	<b>4,678</b>	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	<b>4,585</b>	47.4	2.0	77.0	0.8	1,106	24.3	1,301	28.4	264	5.8
Alcatel-Lucent	USA	NA	ICT	<b>4,567</b>	34.1	2.1	52.4	0.9	978	26.1	2,307	50.5	458	12.2
Novartis	CHE	WE	PHAR	<b>4,477</b>	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	<b>3,862</b>	32.4	3.2	83.4	0.8	1,347	35.0	1,387	35.9	441	11.5
PetroChina	CHN	AS	ENERG	<b>3,629</b>	6.1	0.5	12.1	1.0	170	5.1	1,677	46.2	75	2.2
Philips Research Eindhoven	NLD	WE	ICT	<b>3,620</b>	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	<b>3,352</b>	14.4	1.2	36.7	0.9	322	12.4	1,976	59.0	169	6.5
SINTEF Group	NOR	WE	ICT	<b>3,318</b>	34.5	1.4	39.6	0.7	465	17.3	1,627	49.0	182	6.8
STMicroelectronics	FRA	WE	ICT	<b>3,117</b>	24.5	1.6	39.3	0.9	328	16.4	1,337	42.9	113	5.6
Fujitsu Laboratories Ltd.	JPN	AS	ICT	<b>3,097</b>	16.3	1.0	31.4	0.8	244	9.8	1,820	58.8	122	4.9
Texas Instruments	USA	NA	ICT	<b>2,912</b>	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	<b>2,849</b>	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	<b>2,810</b>	20.1	1.4	37.0	0.8	353	16.6	1,654	58.9	183	8.6
Infineon Technologies	DEU	WE	ICT	<b>2,770</b>	43.9	1.5	36.6	0.9	274	14.5	1,421	51.3	117	6.2
Amgen	USA	NA	PHAR	<b>2,743</b>	27.3	2.5	80.4	0.8	840	30.8	1,019	37.2	256	9.4
Mitsubishi Electric Corporation	JPN	AS	ICT	<b>2,609</b>	10.8	0.8	24.1	0.9	133	6.8	1,736	66.5	58	3.0
DuPont	USA	NA	CHEM	<b>2,526</b>	27.4	1.6	59.5	0.8	467	20.4	1,239	49.1	182	7.9
Bayer AG	DEU	WE	PHAR	<b>2,458</b>	47.6	1.8	61.4	0.8	482	20.1	857	34.9	130	5.4
Bristol-Myers Squibb Company	USA	NA	PHAR	<b>2,424</b>	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	<b>2,368</b>	21.8	1.9	78.0	0.8	576	24.6	1,267	53.5	261	11.1
Northrop Grumman Corporation	USA	NA	ICT	<b>2,277</b>	7.3	1.3	30.7	0.8	221	13.1	1,198	52.6	73	4.3

Petrobras	BRA	LA	ENERG	<b>2,111</b>	23.8	0.6	22.2	0.9	95	6.1	891	42.2	24	1.5
Microsoft Research Asia	CHN	AS	ICT	<b>2,055</b>	44.3	2.4	29.4	1.0	383	29.0	634	30.9	132	10.0
Dow Chemical Company	USA	NA	MATER	<b>2,049</b>	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	<b>2,033</b>	25.8	1.0	36.5	0.9	211	13.9	926	45.6	57	3.8
Raytheon Company	USA	NA	ICT	<b>1,989</b>	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	<b>1,943</b>	24.3	1.4	18.1	0.9	192	16.7	1,245	64.1	96	8.4
AstraZeneca R&D	SWE	WE	PHAR	<b>1,834</b>	58.1	2.5	80.6	0.8	483	26.5	385	21.0	69	3.8
Hewlett Packard Labs	USA	NA	ICT	<b>1,802</b>	30.0	1.8	34.2	0.9	300	23.3	954	52.9	144	11.2
Nokia Research Center	USA	NA	ICT	<b>1,712</b>	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	<b>1,653</b>	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	<b>1,635</b>	18.2	1.5	53.6	0.9	256	17.9	1,008	61.7	154	10.8
BASF AG	DEU	WE	PHAR	<b>1,617</b>	46.5	1.3	54.6	0.8	258	16.6	558	34.5	40	2.6
IBM Research	CAN	NA	ICT	<b>1,592</b>	99.7	2.7	53.8	0.9	430	32.4	840	52.8	210	15.8
Novo Nordisk A/S	DNK	WE	PHAR	<b>1,569</b>	59.6	2.3	77.4	0.8	377	24.2	467	29.8	68	4.4
Pfizer Ltd	GBR	WE	PHAR	<b>1,563</b>	47.2	1.8	74.5	0.9	375	24.2	575	36.8	129	8.3
AT&T Labs Research	USA	NA	ICT	<b>1,503</b>	31.0	2.4	43.1	0.9	308	28.1	744	49.5	131	11.9
General Atomics	USA	NA	ENERG	<b>1,472</b>	35.9	1.9	69.7	1.0	232	17.0	644	43.8	81	5.9
Qualcomm Incorporated	USA	NA	ICT	<b>1,461</b>	24.9	2.7	54.4	1.0	324	28.1	830	56.8	160	13.9
Nestle Switzerland	CHE	WE	FOOD	<b>1,456</b>	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	<b>1,443</b>	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	<b>1,438</b>	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	<b>1,392</b>	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	<b>1,387</b>	51.5	3.9	77.1	0.8	517	37.4	306	22.1	73	5.3
Saudi Arabian Oil Company	SAU	ME	ENERG	<b>1,380</b>	43.2	0.5	11.3	0.9	55	6.8	983	71.2	21	2.6
SEMATECH	USA	NA	ICT	<b>1,378</b>	26.2	1.7	35.4	1.0	181	16.5	601	43.6	68	6.2
Statoil ASA	NOR	WE	ENERG	<b>1,376</b>	40.6	1.1	27.5	0.9	145	13.7	543	39.5	50	4.7
Sincrotrone Trieste	ITA	WE	MATER	<b>1,368</b>	73.9	1.1	71.9	0.9	153	11.5	296	21.6	35	2.6
Sanofi-Aventis, S.A.	FRA	WE	PHAR	<b>1,356</b>	52.5	2.1	72.1	0.8	318	23.5	299	22.1	66	4.9
NEC Corporation of America	USA	NA	ICT	<b>1,351</b>	27.6	2.0	41.5	0.9	264	28.6	620	45.9	124	13.4
GNS Science	NZL	OC	ENERG	<b>1,343</b>	62.1	1.6	71.8	0.9	294	22.5	631	47.0	125	9.6
IBM Zurich Research Laboratory	CHE	WE	ICT	<b>1,304</b>	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	<b>1,285</b>	4.0	0.3	13.7	1.0	39	3.1	856	66.6	13	1.0
BP America Inc.	USA	NA	ENERG	<b>1,228</b>	17.2	0.5	11.2	1.0	41	5.0	661	53.8	21	2.6
SAIC-Frederick, Inc.	USA	NA	PHAR	<b>1,213</b>	35.4	2.2	89.2	0.9	364	30.1	280	23.1	91	7.5
NXP Semiconductors	NLD	WE	ICT	<b>1,205</b>	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	<b>1,187</b>	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	<b>1,163</b>	23.7	1.4	48.6	0.9	115	12.3	520	44.7	29	3.1
Microsoft Research Cambridge	GBR	WE	ICT	<b>1,131</b>	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	<b>1,059</b>	27.0	1.0	27.5	0.9	69	11.4	688	65.0	19	3.2
AstraZeneca Pharmaceuticals, LP	USA	NA	PHAR	<b>1,044</b>	39.4	3.2	78.8	0.9	301	28.9	286	27.4	48	4.6
Corning Incorporated	USA	NA	MATER	<b>1,035</b>	22.5	1.3	53.0	0.9	145	16.9	632	61.1	83	9.7
Total	FRA	WE	ENERG	<b>1,018</b>	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	<b>1,007</b>	49.7	1.5	21.5	0.9	96	13.2	614	61.0	47	6.5
Halliburton Oklahoma, Duncan	USA	NA	ENERG	<b>1,001</b>	18.2	0.3	4.1	1.0	14	2.6	539	53.9	3	0.6
Robert Bosch GmbH	DEU	WE	ICT	<b>972</b>	23.4	0.9	30.4	0.9	73	9.2	578	59.5	32	4.0
Palo Alto Research Center	USA	NA	ICT	<b>964</b>	21.4	2.6	45.8	0.9	214	29.1	550	57.1	125	17.0
AstraZeneca	GBR	WE	PHAR	<b>955</b>	49.0	2.6	76.0	0.8	224	23.8	246	25.8	48	5.1
Daimler AG	DEU	WE	AUTOM	<b>857</b>	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	<b>819</b>	85.8	1.2	48.2	1.0	117	14.3	127	15.5	16	2.0
Tata Sons Limited	IND	AS	MATER	<b>807</b>	17.4	0.8	47.0	0.9	69	10.5	495	61.3	33	5.0
Mentor Graphics, Inc.	USA	NA	ICT	<b>799</b>	27.2	1.5	17.4	1.0	81	11.9	532	66.6	43	6.3
MITRE Corporation, McLean	USA	NA	ICT	<b>788</b>	3.8	0.7	11.8	0.9	40	8.3	619	78.6	20	4.1
Centocor, Incorporated	USA	NA	PHAR	<b>778</b>	36.0	3.3	81.1	0.9	250	32.1	274	35.2	55	7.1
DSO National Laboratories	SGP	AS	ICT	<b>765</b>	36.2	1.5	49.7	0.8	120	20.3	278	36.3	30	5.1
Science Applications International Corporation	USA	NA	ICT	<b>745</b>	17.2	1.1	43.5	0.8	81	14.0	292	39.2	15	2.6
Millennium Pharmaceuticals, Inc.	USA	NA	PHAR	<b>735</b>	32.4	2.9	84.0	0.9	220	30.1	201	27.4	39	5.3
ABB Corporate Research Center	SWE	WE	ICT	<b>734</b>	48.5	1.2	17.6	0.9	81	17.7	331	45.1	28	6.1
Merck KGAA	DEU	WE	PHAR	<b>734</b>	47.8	1.7	64.6	0.8	158	22.5	195	26.6	19	2.7
IBM Research Laboratory	ISR	ME	ICT	<b>708</b>	36.0	1.7	19.9	0.9	94	20.2	437	61.7	50	10.8
Sanofi-Aventis Deutschland GmbH	DEU	WE	PHAR	<b>692</b>	37.4	1.4	70.2	0.9	132	19.1	229	33.1	40	5.8
Schering-Plough Research Institute	USA	NA	PHAR	<b>676</b>	26.2	2.8	82.7	0.9	196	29.1	340	50.3	76	11.3
SAP AG	DEU	WE	ICT	<b>670</b>	34.0	1.4	13.0	0.9	58	14.5	410	61.2	31	7.8
IBM India Research Laboratory	IND	AS	ICT	<b>639</b>	49.8	1.2	24.3	0.9	59	15.4	392	61.4	25	6.5
Carl Zeiss AG	DEU	WE	MATER	<b>616</b>	45.5	1.6	28.7	0.9	80	13.6	248	40.3	15	2.6
Hewlett Packard	USA	NA	ICT	<b>595</b>	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.