

## Tables

## A

Table A.1

**Table A.1** Top 100 corporate entities by academic–corporate collaborative nano-publications (2015–19).

Corporate name	Country code	Academic–corporate collaborative nano-publications	Field-weighted citation impact of academic–corporate collaborative nano-publications
Samsung	KOR	697	1.86
IBM	USA	449	2.17
SINOPEC	CHN	428	1.42
PetroChina	CHN	290	1.21
MINATEC	FRA	252	1.19
VTT Technical Research Centre of Finland Ltd.	FIN	220	1.35
Intel	USA	208	1.58
BASF	DEU	194	2.16
Research Institute of Petroleum Exploration and Development	CHN	194	1.47
LG Corporation	KOR	186	1.37
Thermo Fisher Scientific	USA	174	2.20
Thales	FRA	167	1.95
SINTEF	NOR	158	1.32
Institute of Electronic Materials Technology	POL	141	0.94
Hitachi	JPN	132	1.01

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**Table A.1** Top 100 corporate entities by academic–corporate collaborative nano-publications (2015–19).—cont’d

Corporate name	Country code	Academic– corporate collaborative nano-publications	Field-weighted citation impact of academic– corporate collaborative nano-publications
Koninklijke Philips N.V.	NLD	131	1.74
AstraZeneca	UK	127	1.88
GlaxoSmithKline	UK	118	1.77
STMicroelectronics	CHE	109	0.97
Leidos Inc	USA	108	1.98
Northwest Institute for Nonferrous Metal Research	CHN	108	1.29
Synfuels China Co., Ltd.	CHN	101	2.07
General Motors	USA	97	2.64
General Research Institute For Nonferrous Metals	CHN	96	1.13
Dow Chemical	USA	95	1.73
FP Innovations	CAN	92	1.91
Johnson Matthey Plc	UK	92	1.34
Toyota Motor	JPN	91	0.87
Novartis	CHE	85	2.74
Hydro-Quebec	CAN	81	1.98
JEOL Ltd.	JPN	79	1.63
China Electronics Technology Group Corporation	CHN	79	0.82
Nippon Telegraph & Telephone	JPN	77	0.82
Bavarian Polymer Institute	DEU	73	1.34
State Grid	CHN	73	0.97
All-Russian Scientific Research Institute of Automatics	RUS	71	0.89
Johnson & Johnson	USA	70	1.69

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Corporate name	Country code	Academic– corporate collaborative nano-publications	Field-weighted citation impact of academic– corporate collaborative nano-publications
Global Foundries, Inc.	USA	68	1.27
Western Digital	USA	67	1.17
Airbus Group	NLD	65	1.25
Laser Zentrum Hannover E.V.	DEU	64	1.97
UES, Inc.	USA	63	1.51
Merck	USA	58	4.89
China Aerospace Science and Industry Corporation	CHN	58	1.52
Toshiba	JPN	58	0.88
Oxford Instruments Group Plc	UK	56	1.55
SK Corporation	KOR	55	1.09
Hewlett-Packard	USA	54	4.36
China Electric Power Research Institute	CHN	54	0.95
F. Hoffmann-La Roche AG	CHE	53	4.87
General Electric	USA	52	1.67
TECNALIA	ESP	52	1.27
Federal State Unitary Enterprise	RUS	52	0.59
SABIC	SAU	49	2.02
The Energy Group	USA	48	2.23
China Minmetals Corporation	CHN	48	2.09
Bayer AG	DEU	48	2.08
Merck KGaA	DEU	48	1.44
Corning Incorporated	USA	48	1.23
RISE ICT	SWE	48	1.22
KeyW Corporation	USA	47	2.38

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Corporate name	Country code	Academic– corporate collaborative nano-publications	Field-weighted citation impact of academic– corporate collaborative nano-publications
Total S.A.	FRA	47	1.11
Unilever	UK	46	1.09
Électricité de France S.A.	FRA	46	1.04
Microsoft USA	USA	45	3.51
Carl Zeiss SMT AG	DEU	45	1.80
Razi Vaccine and Serum Research Institute	IRN	45	1.01
Royal Dutch Shell PLC	NLD	44	1.73
Robert Bosch GmbH	DEU	44	1.52
Pfizer	USA	43	2.78
UCB S.A.	BEL	43	2.62
DuPont	USA	43	1.44
Dutch Polymer Institute	NLD	43	1.00
Schlumberger	USA	42	2.36
ExxonMobil	USA	42	1.77
DSM Food Specialties	NLD	42	1.60
ABB Group	CHE	42	0.74
TATA Steel	IND	41	1.37
Toray Industries Inc	JPN	41	1.15
Bruker BioSpin GmbH, Germany	DEU	40	1.23
3M	USA	39	1.75
Korea Electric Power	KOR	39	1.22
China National Offshore Oil Corp	CHN	39	1.14
CSEM SA	CHE	38	2.36
Haldor Topsoe AS	DNK	37	2.04
Siemens	DEU	37	1.27
Guangdong Power Grid Corporation	CHN	37	0.52

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Corporate name	Country code	Academic– corporate collaborative nano-publications	Field-weighted citation impact of academic– corporate collaborative nano-publications
Rolls-Royce	UK	36	1.50
Northrop Grumman	USA	36	1.45
Panasonic Corporation	JPN	36	1.04
Procter and Gamble	USA	36	0.98
Novo Nordisk Foundation	DNK	35	1.83
Baoshan Iron and Steel Co. Ltd.	CHN	35	1.48
Micro Materials Limited	UK	35	1.38
AECOM	USA	35	1.23
Chevron Corporation	USA	35	1.22
Saint-Gobain S.A.	FRA	35	0.80
AbbVie	USA	34	2.67
Saudi Aramco	SAU	34	1.43

*From Scopus.*