

Table 1 The top 27 institutions and their number of publications

Ranking	Name of institution	Count	Ranking	Name of institution	Count
1	Zhejiang University	7	15	Pennsylvania Commonwealth System of Higher Education (PCSHE)	4
2	Tsinghua University	7	16	McGill University	3
3	University of California System	6	17	National University of Singapore	3
4	Chinese Academy of Sciences	6	18	East China University of Science & Technology	3
5	Harvard University	5	19	Universidad de Jaen	3
6	Stanford University	5	20	Georgia Institute of Technology	3
7	Peking University	5	21	Duke University	3
8	University System of Ohio	4	22	Carnegie Mellon University	3
9	Huazhong University of Science & Technology	4	23	University of Wisconsin Madison	3
10	Beihang University	4	24	University of Wisconsin System	3
11	Centre National de la Recherche Scientifique (CNRS)	4	25	Chinese University of Hong Kong	3
12	University of London	4	26	University System of Georgia	3
13	State University System of Florida	4	27	Royal Institute of Technology	3
14	University of California Los Angeles	4			

Table 2 The top 22 keywords in mediating centrality

Ranking	Frequency	Centrality	Keyword	Ranking	Frequency	Centrality	Keyword
1	27	0.70	models	12	2	0.20	environment
2	169	0.60	artificial intelligence	13	3	0.18	selection
3	11	0.41	classification	14	28	0.17	engineering education
4	40	0.34	machine learning	15	23	0.15	design
5	12	0.29	big data	16	5	0.15	artificial neural networks
6	24	0.28	systems	17	7	0.14	optimization
7	18	0.28	neural networks	18	2	0.14	software tools
8	7	0.26	behavior	19	3	0.13	artificial intelligence in education
9	11	0.24	technology	20	5	0.11	prompt engineering
10	6	0.23	algorithm computer	21	30	0.10	education
11	3	0.21	science education	22	7	0.10	prediction