

# Jiancheng Guan

## List of Publications by Citations

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84  
papers

3,029  
citations

30  
h-index

53  
g-index

88  
ext. papers

3,616  
ext. citations

4  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
84	Modeling the relative efficiency of national innovation systems. <i>Research Policy</i> , <b>2012</b> , 41, 102-115	7.5	243
83	Exploitative and exploratory innovations in knowledge network and collaboration network: A patent analysis in the technological field of nano-energy. <i>Research Policy</i> , <b>2016</b> , 45, 97-112	7.5	215
82	Measuring the innovation production process: A cross-region empirical study of China's high-tech innovations. <i>Technovation</i> , <b>2010</b> , 30, 348-358	7.9	191
81	Bringing PageRank to the citation analysis. <i>Information Processing and Management</i> , <b>2008</b> , 44, 800-810	6.3	154
80	Effects of government financial incentives on firms' innovation performance in China: Evidences from Beijing in the 1990s. <i>Research Policy</i> , <b>2015</b> , 44, 273-282	7.5	153
79	China's emerging presence in nanoscience and nanotechnology. <i>Research Policy</i> , <b>2007</b> , 36, 880-886	7.5	129
78	Measuring the Efficiency of China's Regional Innovation Systems: Application of Network Data Envelopment Analysis (DEA). <i>Regional Studies</i> , <b>2012</b> , 46, 355-377	3.4	108
77	The impact of multilevel networks on innovation. <i>Research Policy</i> , <b>2015</b> , 44, 545-559	7.5	107
76	The impact of university-industry collaboration networks on innovation in nanobiopharmaceuticals. <i>Technological Forecasting and Social Change</i> , <b>2013</b> , 80, 1271-1286	9.5	98
75	The impact of collaboration and knowledge networks on citations. <i>Journal of Informetrics</i> , <b>2017</b> , 11, 407-422	3.2	63
74	Does country-level R&D efficiency benefit from the collaboration network structure?. <i>Research Policy</i> , <b>2016</b> , 45, 770-784	7.5	63
73	The impact of small world on innovation: An empirical study of 16 countries. <i>Journal of Informetrics</i> , <b>2010</b> , 4, 97-106	3.1	63
72	A bibliometric investigation of research performance in emerging nanobiopharmaceuticals. <i>Journal of Informetrics</i> , <b>2011</b> , 5, 233-247	3.1	60
71	Modeling macro-R&D production frontier performance: an application to Chinese province-level R&D. <i>Scientometrics</i> , <b>2010</b> , 82, 165-173	3	58
70	Mapping collaborative knowledge production in China using patent co-inventorships. <i>Scientometrics</i> , <b>2011</b> , 88, 343-362	3	56
69	Social capital, exploitative and exploratory innovations: The mediating roles of ego-network dynamics. <i>Technological Forecasting and Social Change</i> , <b>2018</b> , 126, 244-258	9.5	55
68	A bibliometric study of service innovation research: based on complex network analysis. <i>Scientometrics</i> , <b>2013</b> , 94, 1195-1216	3	52

67	A comparative study of research performance in computer science. <i>Scientometrics</i> , <b>2004</b> , 61, 339-359	3	51
66	Patent-bibliometric analysis on the Chinese science-technology linkages. <i>Scientometrics</i> , <b>2007</b> , 72, 403-425	3	49
65	Patent collaboration and international knowledge flow. <i>Information Processing and Management</i> , <b>2012</b> , 48, 170-181	6.3	46
64	A cross-country comparison of innovation efficiency. <i>Scientometrics</i> , <b>2014</b> , 100, 541-575	3	44
63	An exploratory study on collaboration profiles of Chinese publications in Molecular Biology. <i>Scientometrics</i> , <b>2005</b> , 65, 343-355	3	38
62	The time-varying impacts of government incentives on innovation. <i>Technological Forecasting and Social Change</i> , <b>2018</b> , 135, 132-144	9.5	37
61	Mapping the functionality of China's regional innovation systems: A structural approach. <i>China Economic Review</i> , <b>2011</b> , 22, 11-27	3.9	36
60	Comparing regional innovative capacities of PR China based on data analysis of the national patents. <i>International Journal of Technology Management</i> , <b>2005</b> , 32, 225	1.2	35
59	Mapping the innovation production process from accumulative advantage to economic outcomes: A path modeling approach. <i>Technovation</i> , <b>2011</b> , 31, 336-346	7.9	34
58	A bibliometric study of China's semiconductor literature compared with other major Asian countries. <i>Scientometrics</i> , <b>2007</b> , 70, 107-124	3	34
57	Comparison and evaluation of Chinese research performance in the field of bioinformatics. <i>Scientometrics</i> , <b>2008</b> , 75, 357-379	3	33
56	The role of patenting activity for scientific research: A study of academic inventors from China's nanotechnology. <i>Journal of Informetrics</i> , <b>2010</b> , 4, 338-350	3.1	32
55	How do collaborative features affect scientific output? Evidences from wind power field. <i>Scientometrics</i> , <b>2015</b> , 102, 333-355	3	31
54	An analysis of the patenting activities and collaboration among industry-university-research institutes in the Chinese ICT sector. <i>Scientometrics</i> , <b>2014</b> , 98, 247-263	3	30
53	Measuring science-technology interactions using patent citations and author-inventor links: an exploration analysis from Chinese nanotechnology. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 6245-6262	2.3	29
52	The core-peripheral structure of international knowledge flows: evidence from patent citation data. <i>R and D Management</i> , <b>2016</b> , 46, 62-79	4.1	27
51	Invention profiles and uneven growth in the field of emerging nano-energy. <i>Energy Policy</i> , <b>2015</b> , 76, 146-157	4.57	26
50	The impact of small world on patent productivity in China. <i>Scientometrics</i> , <b>2014</b> , 98, 945-960	3	24

49	Network model of knowledge diffusion. <i>Scientometrics</i> , <b>2012</b> , 90, 749-762	3	23
48	Small-world network effects on innovation: evidences from nanotechnology patenting. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	22
47	Measuring the R&D efficiency of regions by a parallel DEA game model. <i>Scientometrics</i> , <b>2017</b> , 112, 175-194	3	21
46	Transnational citation, technological diversity and small world in global nanotechnology patenting. <i>Scientometrics</i> , <b>2012</b> , 93, 609-633	3	21
45	A scale-independent analysis of the performance of the Chinese innovation system. <i>Journal of Informetrics</i> , <b>2009</b> , 3, 321-331	3.1	21
44	International collaboration of three giants with the G7 countries in emerging nanobiopharmaceuticals. <i>Scientometrics</i> , <b>2011</b> , 87, 159-170	3	20
43	Comparison and evaluation of domestic and international outputs in Information Science & Technology research of China. <i>Scientometrics</i> , <b>2005</b> , 65, 215-244	3	20
42	Mapping of biotechnology patents of China from 1995-2008. <i>Scientometrics</i> , <b>2011</b> , 88, 73-89	3	19
41	The Chinese innovation system during economic transition: A scale-independent view. <i>Journal of Informetrics</i> , <b>2010</b> , 4, 618-628	3.1	19
40	Innovation via new ventures as a conversion strategy for the Chinese defense industry. <i>R and D Management</i> , <b>1996</b> , 26, 49-56	4.1	19
39	Recombinant distance, network governance and recombinant innovation. <i>Technological Forecasting and Social Change</i> , <b>2019</b> , 143, 260-272	9.5	18
38	Networks of scientific journals: An exploration of Chinese patent data. <i>Scientometrics</i> , <b>2009</b> , 80, 283-302	3	18
37	A comparative study of research performance in nanotechnology for China's inventor-authors and their non-inventing peers. <i>Scientometrics</i> , <b>2010</b> , 84, 331-343	3	18
36	Industry specific effects on innovation performance in China. <i>China Economic Review</i> , <b>2017</b> , 44, 125-137	3.9	17
35	Inter-organizational scientific collaborations and policy effects: an ego-network evolutionary perspective of the Chinese Academy of Sciences. <i>Scientometrics</i> , <b>2016</b> , 108, 1383-1415	3	17
34	Measuring scientific research in emerging nano-energy field. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	17
33	Scientific relatedness in solar energy: a comparative study between the USA and China. <i>Scientometrics</i> , <b>2015</b> , 102, 1595-1613	3	15
32	How to identify metaknowledge trends and features in a certain research field? Evidences from innovation and entrepreneurial ecosystem. <i>Scientometrics</i> , <b>2017</b> , 113, 1177-1197	3	15

31	Dynamic evolution of collaborative networks: evidence from nano-energy research in China. <i>Scientometrics</i> , <b>2015</b> , 102, 1895-1919	3	14
30	The technological system of Chinese manufacturing industry: A sectorial approach. <i>China Economic Review</i> , <b>2009</b> , 20, 767-776	3.9	12
29	Entrepreneurial ecosystem, entrepreneurial rate and innovation: the moderating role of internet attention. <i>International Entrepreneurship and Management Journal</i> , <b>2019</b> , 15, 625-650	4.9	12
28	Structural equation model with PLS path modeling for an integrated system of publicly funded basic research. <i>Scientometrics</i> , <b>2009</b> , 81, 683-698	3	11
27	INTEGRATED INNOVATION BETWEEN TECHNOLOGY AND ORGANIZATION. <i>International Journal of Innovation and Technology Management</i> , <b>2007</b> , 04, 415-432	1.1	11
26	Policy and innovation: Nanoenergy technology in the USA and China. <i>Energy Policy</i> , <b>2016</b> , 91, 220-232	7.2	10
25	Modeling the dynamic relation between science and technology in nanotechnology. <i>Scientometrics</i> , <b>2012</b> , 90, 561-579	3	10
24	Love dynamics between science and technology: some evidences in nanoscience and nanotechnology. <i>Scientometrics</i> , <b>2013</b> , 94, 113-132	3	10
23	Contribution of Chinese publications in computer science: A case study on LNCS. <i>Scientometrics</i> , <b>2008</b> , 75, 519-534	3	10
22	The analysis and evaluation of knowledge efficiency in research groups. <i>Journal of the Association for Information Science and Technology</i> , <b>2005</b> , 56, 1217-1226		10
21	How multiple networks help in creating knowledge: evidence from alternative energy patents. <i>Scientometrics</i> , <b>2018</b> , 115, 51-77	3	9
20	Value chain of nanotechnology: a comparative study of some major players. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	9
19	Bidirectional relationship between network position and knowledge creation in Scientometrics. <i>Scientometrics</i> , <b>2018</b> , 115, 201-222	3	7
18	Scientific relatedness and intellectual base: a citation analysis of un-cited and highly-cited papers in the solar energy field. <i>Scientometrics</i> , <b>2017</b> , 110, 141-162	3	7
17	Network Embeddedness and Innovation: Evidence From the Alternative Energy Field. <i>IEEE Transactions on Engineering Management</i> , <b>2020</b> , 67, 769-782	2.6	6
16	A bilateral comparison of research performance at an institutional level. <i>Scientometrics</i> , <b>2015</b> , 104, 147-173		5
15	The dynamics of technological partners: a social network perspective. <i>Technology Analysis and Strategic Management</i> , <b>2018</b> , 30, 405-420	3.2	5
14	A dynamic perspective on diversities and network change: partner entry, exit and persistence. <i>International Journal of Technology Management</i> , <b>2017</b> , 74, 221	1.2	4

13	Modelling the Basic Research Competitiveness Index (BR-CI) with an application to the biomass energy field. <i>Scientometrics</i> , <b>2016</b> , 108, 1221-1241	3	4
12	Managers at Work: Making Better Project Termination Decisions. <i>Research Technology Management</i> , <b>2002</b> , 45, 13-15	1.6	3
11	Firm size affecting efficiency of production and commercialization of knowledge: embedded in cluster development. <i>Asian Journal of Technology Innovation</i> , <b>2020</b> , 28, 94-118	1.1	3
10	Does gender structure influence R&D efficiency? A regional perspective. <i>Scientometrics</i> , <b>2020</b> , 122, 477-501		3
9	Knowledge convergence and organization innovation: the moderating role of relational embeddedness. <i>Scientometrics</i> , <b>2020</b> , 125, 1899-1921	3	3
8	How knowledge diffuses across countries: a case study in the field of management. <i>Scientometrics</i> , <b>2014</b> , 98, 2129-2144	3	2
7	The dynamics of partner and knowledge portfolios in alternative energy field. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 2869-2879	16.2	1
6	Characteristics of the network of scientific journals pertaining to Chinese patents. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2009</b> , 388, 4267-4272	3.3	1
5	Product competitiveness and integrated innovation between technology and organization: some evidences in China		1
4	A monitoring framework for ongoing R&D project termination decision		1
3	Mapping technological innovation dynamics in artificial intelligence domains: Evidence from a global patent analysis.. <i>PLoS ONE</i> , <b>2021</b> , 16, e0262050	3.7	1
2	Returnee policies in China: Does a strategy of alleviating the financing difficulty of returnee firms promote innovation?. <i>Technological Forecasting and Social Change</i> , <b>2021</b> , 164, 120509	9.5	0
1	Impacts of Supply Chain Globalization on Quality Management and Firm Performance: Some Evidences in Shanghai, China. <i>Smart Innovation, Systems and Technologies</i> , <b>2010</b> , 259-267	0.5	