

Jiancheng Guan

List of Publications by Year in Descending Order

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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	Mapping technological innovation dynamics in artificial intelligence domains: Evidence from a global patent analysis.. <i>PLoS ONE</i> , 2021 , 16, e0262050	3.7	1
83	Returnee policies in China: Does a strategy of alleviating the financing difficulty of returnee firms promote innovation?. <i>Technological Forecasting and Social Change</i> , 2021 , 164, 120509	9.5	0
82	Firm size affecting efficiency of production and commercialization of knowledge: embedded in cluster development. <i>Asian Journal of Technology Innovation</i> , 2020 , 28, 94-118	1.1	3
81	Does gender structure influence R&D efficiency? A regional perspective. <i>Scientometrics</i> , 2020 , 122, 477-501	5.0	3
80	Knowledge convergence and organization innovation: the moderating role of relational embeddedness. <i>Scientometrics</i> , 2020 , 125, 1899-1921	3	3
79	Network Embeddedness and Innovation: Evidence From the Alternative Energy Field. <i>IEEE Transactions on Engineering Management</i> , 2020 , 67, 769-782	2.6	6
78	Recombinant distance, network governance and recombinant innovation. <i>Technological Forecasting and Social Change</i> , 2019 , 143, 260-272	9.5	18
77	Entrepreneurial ecosystem, entrepreneurial rate and innovation: the moderating role of internet attention. <i>International Entrepreneurship and Management Journal</i> , 2019 , 15, 625-650	4.9	12
76	Bidirectional relationship between network position and knowledge creation in Scientometrics. <i>Scientometrics</i> , 2018 , 115, 201-222	3	7
75	The time-varying impacts of government incentives on innovation. <i>Technological Forecasting and Social Change</i> , 2018 , 135, 132-144	9.5	37
74	The dynamics of partner and knowledge portfolios in alternative energy field. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 2869-2879	16.2	1
73	How multiple networks help in creating knowledge: evidence from alternative energy patents. <i>Scientometrics</i> , 2018 , 115, 51-77	3	9
72	The dynamics of technological partners: a social network perspective. <i>Technology Analysis and Strategic Management</i> , 2018 , 30, 405-420	3.2	5
71	Social capital, exploitative and exploratory innovations: The mediating roles of ego-network dynamics. <i>Technological Forecasting and Social Change</i> , 2018 , 126, 244-258	9.5	55
70	The impact of collaboration and knowledge networks on citations. <i>Journal of Informetrics</i> , 2017 , 11, 407-422	4.2	63
69	Measuring the R&D efficiency of regions by a parallel DEA game model. <i>Scientometrics</i> , 2017 , 112, 175-194	19.4	21
68	Industry specific effects on innovation performance in China. <i>China Economic Review</i> , 2017 , 44, 125-137	3.9	17

67	How to identify metaknowledge trends and features in a certain research field? Evidences from innovation and entrepreneurial ecosystem. <i>Scientometrics</i> , 2017 , 113, 1177-1197	3	15
66	Scientific relatedness and intellectual base: a citation analysis of un-cited and highly-cited papers in the solar energy field. <i>Scientometrics</i> , 2017 , 110, 141-162	3	7
65	A dynamic perspective on diversities and network change: partner entry, exit and persistence. <i>International Journal of Technology Management</i> , 2017 , 74, 221	1.2	4
64	Small-world network effects on innovation: evidences from nanotechnology patenting. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	22
63	Inter-organizational scientific collaborations and policy effects: an ego-network evolutionary perspective of the Chinese Academy of Sciences. <i>Scientometrics</i> , 2016 , 108, 1383-1415	3	17
62	Policy and innovation: Nanoenergy technology in the USA and China. <i>Energy Policy</i> , 2016 , 91, 220-232	7.2	10
61	Does country-level R&D efficiency benefit from the collaboration network structure?. <i>Research Policy</i> , 2016 , 45, 770-784	7.5	63
60	Exploitative and exploratory innovations in knowledge network and collaboration network: A patent analysis in the technological field of nano-energy. <i>Research Policy</i> , 2016 , 45, 97-112	7.5	215
59	Modelling the Basic Research Competitiveness Index (BR-CI) with an application to the biomass energy field. <i>Scientometrics</i> , 2016 , 108, 1221-1241	3	4
58	The core-peripheral structure of international knowledge flows: evidence from patent citation data. <i>R and D Management</i> , 2016 , 46, 62-79	4.1	27
57	Scientific relatedness in solar energy: a comparative study between the USA and China. <i>Scientometrics</i> , 2015 , 102, 1595-1613	3	15
56	A bilateral comparison of research performance at an institutional level. <i>Scientometrics</i> , 2015 , 104, 147-173	5	
55	Dynamic evolution of collaborative networks: evidence from nano-energy research in China. <i>Scientometrics</i> , 2015 , 102, 1895-1919	3	14
54	Invention profiles and uneven growth in the field of emerging nano-energy. <i>Energy Policy</i> , 2015 , 76, 146-157	15.7	26
53	Effects of government financial incentives on firms' innovation performance in China: Evidences from Beijing in the 1990s. <i>Research Policy</i> , 2015 , 44, 273-282	7.5	153
52	How do collaborative features affect scientific output? Evidences from wind power field. <i>Scientometrics</i> , 2015 , 102, 333-355	3	31
51	The impact of multilevel networks on innovation. <i>Research Policy</i> , 2015 , 44, 545-559	7.5	107
50	The impact of small world on patent productivity in China. <i>Scientometrics</i> , 2014 , 98, 945-960	3	24

49	How knowledge diffuses across countries: a case study in the field of management. <i>Scientometrics</i> , 2014 , 98, 2129-2144	3	2
48	Measuring scientific research in emerging nano-energy field. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	17
47	A cross-country comparison of innovation efficiency. <i>Scientometrics</i> , 2014 , 100, 541-575	3	44
46	An analysis of the patenting activities and collaboration among industry-university-research institutes in the Chinese ICT sector. <i>Scientometrics</i> , 2014 , 98, 247-263	3	30
45	The impact of university-industry collaboration networks on innovation in nanobiopharmaceuticals. <i>Technological Forecasting and Social Change</i> , 2013 , 80, 1271-1286	9.5	98
44	Love dynamics between science and technology: some evidences in nanoscience and nanotechnology. <i>Scientometrics</i> , 2013 , 94, 113-132	3	10
43	A bibliometric study of service innovation research: based on complex network analysis. <i>Scientometrics</i> , 2013 , 94, 1195-1216	3	52
42	Patent collaboration and international knowledge flow. <i>Information Processing and Management</i> , 2012 , 48, 170-181	6.3	46
41	Modeling the dynamic relation between science and technology in nanotechnology. <i>Scientometrics</i> , 2012 , 90, 561-579	3	10
40	Network model of knowledge diffusion. <i>Scientometrics</i> , 2012 , 90, 749-762	3	23
39	Value chain of nanotechnology: a comparative study of some major players. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	9
38	Transnational citation, technological diversity and small world in global nanotechnology patenting. <i>Scientometrics</i> , 2012 , 93, 609-633	3	21
37	Modeling the relative efficiency of national innovation systems. <i>Research Policy</i> , 2012 , 41, 102-115	7.5	243
36	Measuring the Efficiency of China's Regional Innovation Systems: Application of Network Data Envelopment Analysis (DEA). <i>Regional Studies</i> , 2012 , 46, 355-377	3.4	108
35	Mapping the functionality of China's regional innovation systems: A structural approach. <i>China Economic Review</i> , 2011 , 22, 11-27	3.9	36
34	Mapping the innovation production process from accumulative advantage to economic outcomes: A path modeling approach. <i>Technovation</i> , 2011 , 31, 336-346	7.9	34
33	International collaboration of three giants with the G7 countries in emerging nanobiopharmaceuticals. <i>Scientometrics</i> , 2011 , 87, 159-170	3	20
32	Mapping of biotechnology patents of China from 1995-2008. <i>Scientometrics</i> , 2011 , 88, 73-89	3	19

31	Mapping collaborative knowledge production in China using patent co-inventorships. <i>Scientometrics</i> , 2011 , 88, 343-362	3	56
30	Measuring science-technology interactions using patent citations and author-inventor links: an exploration analysis from Chinese nanotechnology. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 6245-6262	2.3	29
29	A bibliometric investigation of research performance in emerging nanobiopharmaceuticals. <i>Journal of Informetrics</i> , 2011 , 5, 233-247	3.1	60
28	Measuring the innovation production process: A cross-region empirical study of China's high-tech innovations. <i>Technovation</i> , 2010 , 30, 348-358	7.9	191
27	The Chinese innovation system during economic transition: A scale-independent view. <i>Journal of Informetrics</i> , 2010 , 4, 618-628	3.1	19
26	Modeling macro-R&D production frontier performance: an application to Chinese province-level R&D. <i>Scientometrics</i> , 2010 , 82, 165-173	3	58
25	A comparative study of research performance in nanotechnology for China's inventor-authors and their non-inventing peers. <i>Scientometrics</i> , 2010 , 84, 331-343	3	18
24	The impact of small world on innovation: An empirical study of 16 countries. <i>Journal of Informetrics</i> , 2010 , 4, 97-106	3.1	63
23	The role of patenting activity for scientific research: A study of academic inventors from China's nanotechnology. <i>Journal of Informetrics</i> , 2010 , 4, 338-350	3.1	32
22	Impacts of Supply Chain Globalization on Quality Management and Firm Performance: Some Evidences in Shanghai, China. <i>Smart Innovation, Systems and Technologies</i> , 2010 , 259-267	0.5	
21	Networks of scientific journals: An exploration of Chinese patent data. <i>Scientometrics</i> , 2009 , 80, 283-302	3	18
20	Structural equation model with PLS path modeling for an integrated system of publicly funded basic research. <i>Scientometrics</i> , 2009 , 81, 683-698	3	11
19	Characteristics of the network of scientific journals pertaining to Chinese patents. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009 , 388, 4267-4272	3.3	1
18	A scale-independent analysis of the performance of the Chinese innovation system. <i>Journal of Informetrics</i> , 2009 , 3, 321-331	3.1	21
17	The technological system of Chinese manufacturing industry: A sectorial approach. <i>China Economic Review</i> , 2009 , 20, 767-776	3.9	12
16	Bringing PageRank to the citation analysis. <i>Information Processing and Management</i> , 2008 , 44, 800-810	6.3	154
15	Contribution of Chinese publications in computer science: A case study on LNCS. <i>Scientometrics</i> , 2008 , 75, 519-534	3	10
14	Comparison and evaluation of Chinese research performance in the field of bioinformatics. <i>Scientometrics</i> , 2008 , 75, 357-379	3	33

13	A bibliometric study of China's semiconductor literature compared with other major asian countries. <i>Scientometrics</i> , 2007 , 70, 107-124	3	34
12	Patent-bibliometric analysis on the Chinese science -technology linkages. <i>Scientometrics</i> , 2007 , 72, 403-425	3	49
11	INTEGRATED INNOVATION BETWEEN TECHNOLOGY AND ORGANIZATION. <i>International Journal of Innovation and Technology Management</i> , 2007 , 04, 415-432	1.1	11
10	China's emerging presence in nanoscience and nanotechnology. <i>Research Policy</i> , 2007 , 36, 880-886	7.5	129
9	Comparing regional innovative capacities of PR China based on data analysis of the national patents. <i>International Journal of Technology Management</i> , 2005 , 32, 225	1.2	35
8	The analysis and evaluation of knowledge efficiency in research groups. <i>Journal of the Association for Information Science and Technology</i> , 2005 , 56, 1217-1226		10
7	Comparison and evaluation of domestic and international outputs in Information Science & Technology research of China. <i>Scientometrics</i> , 2005 , 65, 215-244	3	20
6	An exploratory study on collaboration profiles of Chinese publications in Molecular Biology. <i>Scientometrics</i> , 2005 , 65, 343-355	3	38
5	A comparative study of research performance in computer science. <i>Scientometrics</i> , 2004 , 61, 339-359	3	51
4	Managers at Work: Making Better Project Termination Decisions. <i>Research Technology Management</i> , 2002 , 45, 13-15	1.6	3
3	Innovation via new ventures as a conversion strategy for the Chinese defense industry. <i>R and D Management</i> , 1996 , 26, 49-56	4.1	19
2	Product competitiveness and integrated innovation between technology and organization: some evidences in China		1
1	A monitoring framework for ongoing R&D project termination decision		1