

Jiancheng Guan

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

4,245
citations

126858

33
h-index

123376

61
g-index

88
all docs

88
docs citations

88
times ranked

2708
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.3	365
2	Modeling the relative efficiency of national innovation systems. <i>Research Policy</i> , 2012, 41, 102-115.	3.3	338
3	Measuring the innovation production process: A cross-region empirical study of China's high-tech innovations. <i>Technovation</i> , 2010, 30, 348-358.	4.2	258
4	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.	3.3	221
5	Bringing PageRank to the citation analysis. <i>Information Processing and Management</i> , 2008, 44, 800-810.	5.4	218
6	Measuring the Efficiency of China's Regional Innovation Systems: Application of Network Data Envelopment Analysis (DEA). <i>Regional Studies</i> , 2012, 46, 355-377.	2.5	158
7	China's emerging presence in nanoscience and nanotechnology. <i>Research Policy</i> , 2007, 36, 880-886.	3.3	145
8	The impact of multilevel networks on innovation. <i>Research Policy</i> , 2015, 44, 545-559.	3.3	141
9	The impact of university-industry collaboration networks on innovation in nanobiopharmaceuticals. <i>Technological Forecasting and Social Change</i> , 2013, 80, 1271-1286.	6.2	123
10	Social capital, exploitative and exploratory innovations: The mediating roles of ego-network dynamics. <i>Technological Forecasting and Social Change</i> , 2018, 126, 244-258.	6.2	104
11	Does country-level R&D efficiency benefit from the collaboration network structure?. <i>Research Policy</i> , 2016, 45, 770-784.	3.3	94
12	The impact of collaboration and knowledge networks on citations. <i>Journal of Informetrics</i> , 2017, 11, 407-422.	1.4	89
13	The impact of small world on innovation: An empirical study of 16 countries. <i>Journal of Informetrics</i> , 2010, 4, 97-106.	1.4	82
14	A bibliometric investigation of research performance in emerging nanobiopharmaceuticals. <i>Journal of Informetrics</i> , 2011, 5, 233-247.	1.4	81
15	A bibliometric study of service innovation research: based on complex network analysis. <i>Scientometrics</i> , 2013, 94, 1195-1216.	1.6	75
16	A comparative study of research performance in computer science. <i>Scientometrics</i> , 2004, 61, 339-359.	1.6	73
17	Modeling macro-R&D production frontier performance: an application to Chinese province-level R&D. <i>Scientometrics</i> , 2010, 82, 165-173.	1.6	71
18	The time-varying impacts of government incentives on innovation. <i>Technological Forecasting and Social Change</i> , 2018, 135, 132-144.	6.2	71

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19	Mapping collaborative knowledge production in China using patent co-inventorships. <i>Scientometrics</i> , 2011, 88, 343-362.	1.6	69
20	A cross-country comparison of innovation efficiency. <i>Scientometrics</i> , 2014, 100, 541-575.	1.6	64
21	Patent-bibliometric analysis on the Chinese science “technology linkages. <i>Scientometrics</i> , 2007, 72, 403-425.	1.6	59
22	Patent collaboration and international knowledge flow. <i>Information Processing and Management</i> , 2012, 48, 170-181.	5.4	55
23	Mapping the functionality of China's regional innovation systems: A structural approach. <i>China Economic Review</i> , 2011, 22, 11-27.	2.1	49
24	Mapping the innovation production process from accumulative advantage to economic outcomes: A path modeling approach. <i>Technovation</i> , 2011, 31, 336-346.	4.2	49
25	An exploratory study on collaboration profiles of Chinese publications in Molecular Biology. <i>Scientometrics</i> , 2005, 65, 343-355.	1.6	46
26	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.	0.2	45
27	A bibliometric study of China's semiconductor literature compared with other major asian countries. <i>Scientometrics</i> , 2007, 70, 107-124.	1.6	44
28	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.	1.6	41
29	How do collaborative features affect scientific output? Evidences from wind power field. <i>Scientometrics</i> , 2015, 102, 333-355.	1.6	40
30	Comparison and evaluation of Chinese research performance in the field of bioinformatics. <i>Scientometrics</i> , 2008, 75, 357-379.	1.6	39
31	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.	0.8	39
32	Recombinant distance, network governance and recombinant innovation. <i>Technological Forecasting and Social Change</i> , 2019, 143, 260-272.	6.2	39
33	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.	1.4	38
34	Invention profiles and uneven growth in the field of emerging nano-energy. <i>Energy Policy</i> , 2015, 76, 146-157.	4.2	38
35	Entrepreneurial ecosystem, entrepreneurial rate and innovation: the moderating role of internet attention. <i>International Entrepreneurship and Management Journal</i> , 2019, 15, 625-650.	2.9	36
36	The core-peripheral structure of international knowledge flows: evidence from patent citation data. <i>R and D Management</i> , 2016, 46, 62-79.	3.0	35

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37	The impact of small world on patent productivity in China. <i>Scientometrics</i> , 2014, 98, 945-960.	1.6	33
38	Network model of knowledge diffusion. <i>Scientometrics</i> , 2012, 90, 749-762.	1.6	29
39	Measuring the R&D efficiency of regions by a parallel DEA game model. <i>Scientometrics</i> , 2017, 112, 175-194.	1.6	28
40	Networks of scientific journals: An exploration of Chinese patent data. <i>Scientometrics</i> , 2009, 80, 283-302.	1.6	25
41	Small-world network effects on innovation: evidences from nanotechnology patenting. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	25
42	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.	1.6	25
43	Innovation via new ventures as a conversion strategy for the Chinese defense industry. <i>R and D Management</i> , 1996, 26, 49-56.	3.0	24
44	Transnational citation, technological diversity and small world in global nanotechnology patenting. <i>Scientometrics</i> , 2012, 93, 609-633.	1.6	24
45	Comparison and evaluation of domestic and international outputs in Information Science & Technology research of China. <i>Scientometrics</i> , 2005, 65, 215-244.	1.6	23
46	A scale-independent analysis of the performance of the Chinese innovation system. <i>Journal of Informetrics</i> , 2009, 3, 321-331.	1.4	23
47	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.	1.6	23
48	International collaboration of three "giants" with the G7 countries in emerging nanobiopharmaceuticals. <i>Scientometrics</i> , 2011, 87, 159-170.	1.6	23
49	Network Embeddedness and Innovation: Evidence From the Alternative Energy Field. <i>IEEE Transactions on Engineering Management</i> , 2020, 67, 769-782.	2.4	23
50	Industry specific effects on innovation performance in China. <i>China Economic Review</i> , 2017, 44, 125-137.	2.1	22
51	The Chinese innovation system during economic transition: A scale-independent view. <i>Journal of Informetrics</i> , 2010, 4, 618-628.	1.4	21
52	Mapping of biotechnology patents of China from 1995-2008. <i>Scientometrics</i> , 2011, 88, 73-89.	1.6	21
53	Measuring scientific research in emerging nano-energy field. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	20
54	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.	1.6	20

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55	INTEGRATED INNOVATION BETWEEN TECHNOLOGY AND ORGANIZATION. <i>International Journal of Innovation and Technology Management</i> , 2007, 04, 415-432.	0.8	18
56	Scientific relatedness in solar energy: a comparative study between the USA and China. <i>Scientometrics</i> , 2015, 102, 1595-1613.	1.6	18
57	Dynamic evolution of collaborative networks: evidence from nano-energy research in China. <i>Scientometrics</i> , 2015, 102, 1895-1919.	1.6	18
58	The technological system of Chinese manufacturing industry: A sectorial approach. <i>China Economic Review</i> , 2009, 20, 767-776.	2.1	17
59	Policy and innovation: Nanoenergy technology in the USA and China. <i>Energy Policy</i> , 2016, 91, 220-232.	4.2	15
60	Bidirectional relationship between network position and knowledge creation in <i>Scientometrics</i> . <i>Scientometrics</i> , 2018, 115, 201-222.	1.6	15
61	Contribution of Chinese publications in computer science: A case study on LNCS. <i>Scientometrics</i> , 2008, 75, 519-534.	1.6	14
62	Love dynamics between science and technology: some evidences in nanoscience and nanotechnology. <i>Scientometrics</i> , 2013, 94, 113-132.	1.6	13
63	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.	2.6	12
64	Structural equation model with PLS path modeling for an integrated system of publicly funded basic research. <i>Scientometrics</i> , 2009, 81, 683-698.	1.6	12
65	Modeling the dynamic relation between science and technology in nanotechnology. <i>Scientometrics</i> , 2012, 90, 561-579.	1.6	11
66	Value chain of nanotechnology: a comparative study of some major players. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	11
67	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.	1.6	11
68	How multiple networks help in creating knowledge: evidence from alternative energy patents. <i>Scientometrics</i> , 2018, 115, 51-77.	1.6	11
69	Knowledge convergence and organization innovation: the moderating role of relational embeddedness. <i>Scientometrics</i> , 2020, 125, 1899-1921.	1.6	11
70	The dynamics of technological partners: a social network perspective. <i>Technology Analysis and Strategic Management</i> , 2018, 30, 405-420.	2.0	10
71	Mapping technological innovation dynamics in artificial intelligence domains: Evidence from a global patent analysis. <i>PLoS ONE</i> , 2021, 16, e0262050.	1.1	9
72	Modelling the Basic Research Competitiveness Index (BR-CI) with an application to the biomass energy field. <i>Scientometrics</i> , 2016, 108, 1221-1241.	1.6	8

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73	Does gender structure influence R&D efficiency? A regional perspective. <i>Scientometrics</i> , 2020, 122, 477-501.	1.6	8
74	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.	6.2	8
75	A bilateral comparison of research performance at an institutional level. <i>Scientometrics</i> , 2015, 104, 147-173.	1.6	6
76	A dynamic perspective on diversities and network change: partner entry, exit and persistence. <i>International Journal of Technology Management</i> , 2017, 74, 221.	0.2	6
77	How knowledge diffuses across countries: a case study in the field of management. <i>Scientometrics</i> , 2014, 98, 2129-2144.	1.6	4
78	How policies emerge and interact with each other? A bibliometric analysis of policies in China. <i>Science and Public Policy</i> , 2022, 49, 441-459.	1.2	4
79	Managers at Work: Making Better Project Termination Decisions. <i>Research Technology Management</i> , 2002, 45, 13-15.	0.6	3
80	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.	1.7	3
81	A monitoring framework for ongoing R&D project termination decision. , 0, , .		2
82	Product competitiveness and integrated innovation between technology and organization: some evidences in China. , 0, , .		1
83	Characteristics of the network of scientific journals pertaining to Chinese patents. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4267-4272.	1.2	1
84	The dynamics of partner and knowledge portfolios in alternative energy field. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2869-2879.	8.2	1
85	Distribution and Evolution of Industrial Innovation Efficiency. , 2007, , .		0
86	The information & communications technological system of China. , 2008, , .		0