

Yuan Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

1,751
citations

279487

23
h-index

301761

39
g-index

70
all docs

70
docs citations

70
times ranked

1220
citing authors

#	ARTICLE	IF	CITATIONS
1	How do low-carbon policies promote green diffusion among alliance-based firms in China? An evolutionary-game model of complex networks. <i>Journal of Cleaner Production</i> , 2019, 210, 518-529.	4.6	131
2	Exploring innovation ecosystems across science, technology, and business: A case of 3D printing in China. <i>Technological Forecasting and Social Change</i> , 2018, 136, 208-221.	6.2	120
3	Wasserstein GAN-Based Small-Sample Augmentation for New-Generation Artificial Intelligence: A Case Study of Cancer-Staging Data in Biology. <i>Engineering</i> , 2019, 5, 156-163.	3.2	101
4	Identifying and monitoring the development trends of emerging technologies using patent analysis and Twitter data mining: The case of perovskite solar cell technology. <i>Technological Forecasting and Social Change</i> , 2019, 146, 687-705.	6.2	85
5	Integrating bibliometrics and roadmapping methods: A case of dye-sensitized solar cell technology-based industry in China. <i>Technological Forecasting and Social Change</i> , 2015, 97, 205-222.	6.2	78
6	Big data analysis adaptation and enterprises' competitive advantages: the perspective of dynamic capability and resource-based theories. <i>Technology Analysis and Strategic Management</i> , 2019, 31, 406-420.	2.0	77
7	Energy Performance Contract models for the diffusion of green-manufacturing technologies in China: A stakeholder analysis from SMEs' perspective. <i>Energy Policy</i> , 2017, 106, 59-67.	4.2	63
8	Forecasting emerging technologies using data augmentation and deep learning. <i>Scientometrics</i> , 2020, 123, 1-29.	1.6	61
9	Local implementation for green-manufacturing technology diffusion policy in China: from the user firms' perspectives. <i>Journal of Cleaner Production</i> , 2016, 129, 113-124.	4.6	59
10	Using the data mining method to assess the innovation gap: A case of industrial robotics in a catching-up country. <i>Technological Forecasting and Social Change</i> , 2017, 119, 80-97.	6.2	49
11	Upgrading Pathways of Intelligent Manufacturing in China: Transitioning across Technological Paradigms. <i>Engineering</i> , 2019, 5, 691-701.	3.2	48
12	Innovation core, innovation semi-periphery and technology transfer: The case of wind energy patents. <i>Energy Policy</i> , 2018, 120, 213-227.	4.2	46
13	Unfolding the convergence process of scientific knowledge for the early identification of emerging technologies. <i>Technological Forecasting and Social Change</i> , 2019, 144, 205-220.	6.2	46
14	How do Public Demonstration Projects Promote Green Manufacturing Technologies? A Case Study from China. <i>Sustainable Development</i> , 2015, 23, 217-231.	6.9	45
15	Comparing the knowledge bases of wind turbine firms in Asia and Europe: Patent trajectories, networks, and globalisation. <i>Science and Public Policy</i> , 2016, 43, 476-491.	1.2	43
16	Firm-level technology transfer and technology cooperation for wind energy between Europe, China and India: From North-South to South-North cooperation?. <i>Energy for Sustainable Development</i> , 2015, 28, 29-40.	2.0	39
17	Managing knowledge sharing in distributed innovation from the perspective of developers: empirical study of open source software projects in China. <i>Technology Analysis and Strategic Management</i> , 2017, 29, 1-22.	2.0	34
18	Clustering enterprises into eco-industrial parks: Can interfirm alliances help small and medium-sized enterprises?. <i>Journal of Cleaner Production</i> , 2017, 168, 1070-1079.	4.6	32

#	ARTICLE	IF	CITATIONS
19	Comparing the International Knowledge Flow of China's Wind and Solar Photovoltaic (PV) Industries: Patent Analysis and Implications for Sustainable Development. <i>Sustainability</i> , 2018, 10, 1883.	1.6	32
20	How public demonstration projects affect the emergence of new industries: an empirical study of electric vehicles in China. <i>Innovation: Management, Policy and Practice</i> , 2015, 17, 159-181.	2.6	29
21	China's leadership in the hydropower sector: identifying green windows of opportunity for technological catch-up. <i>Industrial and Corporate Change</i> , 2021, 29, 1319-1343.	1.7	26
22	Mapping the technology evolution path: a novel model for dynamic topic detection and tracking. <i>Scientometrics</i> , 2020, 125, 2043-2090.	1.6	25
23	Monitoring and forecasting the development trends of nanogenerator technology using citation analysis and text mining. <i>Nano Energy</i> , 2020, 71, 104636.	8.2	25
24	Key actors and their motives for wind energy innovation in China. <i>Innovation and Development</i> , 2012, 2, 111-130.	1.4	24
25	Roadmapping for industrial emergence and innovation gaps to catch-up: a patent-based analysis of OLED industry in China. <i>International Journal of Technology Management</i> , 2016, 72, 105.	0.2	24
26	Stakeholder Risk and Trust Perceptions in the Diffusion of Green Manufacturing Technologies: Evidence From China. <i>Journal of Environment and Development</i> , 2018, 27, 46-73.	1.6	23
27	A novel method to identify emerging technologies using a semi-supervised topic clustering model: a case of 3D printing industry. <i>Scientometrics</i> , 2019, 120, 167-185.	1.6	23
28	Does green industrial policy promote the sustainable growth of polluting firms? Evidences from China. <i>Science of the Total Environment</i> , 2021, 764, 142927.	3.9	23
29	Convergence or divergence? Wind power innovation paths in Europe and Asia. <i>Science and Public Policy</i> , 2016, 43, 400-413.	1.2	21
30	Regulating the environmental behavior of manufacturing SMEs: Interfirm alliance as a facilitator. <i>Journal of Cleaner Production</i> , 2017, 165, 393-404.	4.6	21
31	The Impact of Corporate Social Responsibility on Firms' Innovation in China: The Role of Institutional Support. <i>Sustainability</i> , 2019, 11, 6369.	1.6	21
32	A deep learning framework to early identify emerging technologies in large-scale outlier patents: an empirical study of CNC machine tool. <i>Scientometrics</i> , 2021, 126, 969-994.	1.6	21
33	Building global products and competing in innovation: the role of Chinese university spin-outs and required innovation capabilities. <i>International Journal of Technology Management</i> , 2014, 64, 180.	0.2	19
34	Identifying technology evolution pathways using topic variation detection based on patent data: A case study of 3D printing. <i>Futures</i> , 2020, 118, 102530.	1.4	19
35	Environmental Policy Mixes and Green Industrial Development: An Empirical Study of the Chinese Textile Industry From 1998 to 2012. <i>IEEE Transactions on Engineering Management</i> , 2022, 69, 742-754.	2.4	16
36	Comparing the Technology Trajectories of Solar PV and Solar Water Heaters in China: Using a Patent Lens. <i>Sustainability</i> , 2018, 10, 4166.	1.6	14

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37	Visualizing the knowledge profile on self-powered technology. <i>Nano Energy</i> , 2018, 51, 250-259.	8.2	14
38	Mapping an innovation ecosystem using network clustering and community identification: a multi-layered framework. <i>Scientometrics</i> , 2020, 124, 2057-2081.	1.6	14
39	Comparing the innovation strategies of Chinese and European wind turbine firms through a patent lens. <i>Environmental Innovation and Societal Transitions</i> , 2019, 30, 6-18.	2.5	12
40	Introduction to the Special Issue on the New Silk Road of Innovation: R&D Networks, Knowledge Diffusions, and Open Innovation. <i>R and D Management</i> , 2021, 51, 243-246.	3.0	12
41	Effects of relational embeddedness on technological innovation. <i>Chinese Management Studies</i> , 2012, 6, 108-123.	0.7	11
42	Barriers to entrepreneurial growth: an empirical study on university spin-offs in China. <i>Journal of Science and Technology Policy in China</i> , 2011, 2, 277-294.	0.2	10
43	A policy dimension required for technology roadmapping: learning from the emergence of Chinese wind turbine industry. <i>International Journal of Environment and Sustainable Development</i> , 2013, 12, 3.	0.2	10
44	Exploring the Development of Research, Technology and Business of Machine Tool Domain in New-Generation Information Technology Environment Based on Machine Learning. <i>Sustainability</i> , 2019, 11, 3316.	1.6	10
45	How Can Government Promote Technology Diffusion in Manufacturing Paradigm Shift? Evidence From China. <i>IEEE Transactions on Engineering Management</i> , 2023, 70, 1547-1559.	2.4	10
46	Analysis of Spatial-Temporal Characteristics of Industrial Land Supply Scale in Relation to Industrial Structure in China. <i>Land</i> , 2021, 10, 1272.	1.2	10
47	Elements, characteristics, and performances of inter-enterprise knowledge recombination: Empirical research on green innovation adoption in China's heavily polluting industry. <i>Journal of Environmental Management</i> , 2022, 310, 114736.	3.8	10
48	Advanced Technology Evolution Pathways of Nanogenerators: A Novel Framework Based on Multi-Source Data and Knowledge Graph. <i>Nanomaterials</i> , 2022, 12, 838.	1.9	8
49	Effects of control in open innovation: an empirical study of university-industry cooperation in China. <i>International Journal of Technology, Policy and Management</i> , 2014, 14, 346.	0.1	7
50	Network Proximity and Communities in Innovation Clusters Across Knowledge, Business, and Geography: Evidence From China. <i>IEEE Transactions on Engineering Management</i> , 2021, 68, 1388-1397.	2.4	7
51	A crowd-sourced valuation of recreational ecosystem services using mobile signal data applied to a restored wetland in China. <i>Ecological Economics</i> , 2022, 192, 107249.	2.9	7
52	Roadmapping an emerging energy technology: an ex-ante examination of dimethyl ether development in China. <i>International Journal of Product Development</i> , 2012, 17, 296.	0.2	6
53	The Innovation Effect of Intelligent Connected Vehicle Policies in China. <i>IEEE Access</i> , 2022, 10, 24738-24748.	2.6	6
54	A novel topic model for documents by incorporating semantic relations between words. <i>Soft Computing</i> , 2020, 24, 11407-11423.	2.1	5

#	ARTICLE	IF	CITATIONS
55	Successful or unsuccessful open source software projects: What is the key?. , 2015, , .		3
56	Entrepreneurial innovation problems associated with the dynamic growth of university spin-outs in China: a capabilities perspective. International Journal of Entrepreneurship and Innovation Management, 2010, 12, 330.	0.1	2
57	Roadmapping an emerging technology in clean energy industry: A case study of dimethyl ether development in China. , 2011, , .		2
58	Mechanisms of knowledge sharing in open source software projects: a comparison of Chinese and Western practice. International Journal of Technology Intelligence and Planning, 2016, 11, 117.	0.6	2
59	Identifying Technology Evolution Pathways by Integrating Citation Network and Text Mining. , 2019, , .		2
60	Innovation problems associated with the dynamic growth for Chinese University Spin-outs: A capabilities perspective. , 2008, , .		1
61	University science parks and promoting knowledge transfer in emerging economies: A study on required attributes with evidences from South Africa and China. , 2013, , .		1
62	Engineering and Technology Management. , 2018, , 11-48.		1
63	Unveiling Evolutionary Path of Nanogenerator Technology: A Novel Method Based on Sentence-BERT. Nanomaterials, 2022, 12, 2018.	1.9	1
64	SEA-PS: Semantic embedding with attention to measuring patent similarity by leveraging various text fields. Journal of Information Science, 0, , 016555152211066.	2.0	1
65	Innovation problems associated with the dynamic growth for Chinese University Spin-outs: A conceptual framework. , 2008, , .		0
66	How public demonstration project affects the emergence of a new industry: An empirical study on electric vehicle demonstration project in China. , 2013, , .		0
67	Government interventions and the formation of innovation cluster: A case study of Guangdong Real Faith Science Park. , 2014, , .		0
68	Secondary innovation in emerging industry: A case study. , 2015, , .		0
69	Comparing the innovation strategies of Asian and European wind turbine firms through a patent lens. , 2015, , .		0