Yuan Zhou

List of Publications by Year
in descending order

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69 papers	1,751 citations	279798 23 h-index	302126 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. Journal of Cleaner Production, 2019, 210, 518-529.	9.3	131
2	Exploring innovation ecosystems across science, technology, and business: A case of 3D printing in China. Technological Forecasting and Social Change, 2018, 136, 208-221.	11.6	120
3	Wasserstein GAN-Based Small-Sample Augmentation for New-Generation Artificial Intelligence: A Case Study of Cancer-Staging Data in Biology. Engineering, 2019, 5, 156-163.	6.7	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. Technological Forecasting and Social Change, 2019, 146, 687-705.	11.6	85
5	Integrating bibliometrics and roadmapping methods: A case of dye-sensitized solar cell technology-based industry in China. Technological Forecasting and Social Change, 2015, 97, 205-222.	11.6	78
6	Big data analysis adaptation and enterprisesâ€™ competitive advantages: the perspective of dynamic capability and resource-based theories. Technology Analysis and Strategic Management, 2019, 31, 406-420.	3.5	77
7	Energy Performance Contract models for the diffusion of green-manufacturing technologies in China: A stakeholder analysis from SMEsâ€™ perspective. Energy Policy, 2017, 106, 59-67.	8.8	63
8	Forecasting emerging technologies using data augmentation and deep learning. Scientometrics, 2020, 123, 1-29.	3.0	61
9	Local implementation for green-manufacturing technology diffusion policy in China: from the user firms' perspectives. Journal of Cleaner Production, 2016, 129, 113-124.	9.3	59
10	Using the data mining method to assess the innovation gap: A case of industrial robotics in a catching-up country. Technological Forecasting and Social Change, 2017, 119, 80-97.	11.6	49
11	Upgrading Pathways of Intelligent Manufacturing in China: Transitioning across Technological Paradigms. Engineering, 2019, 5, 691-701.	6.7	48
12	Innovation core, innovation semi-periphery and technology transfer: The case of wind energy patents. Energy Policy, 2018, 120, 213-227.	8.8	46
13	Unfolding the convergence process of scientific knowledge for the early identification of emerging technologies. Technological Forecasting and Social Change, 2019, 144, 205-220.	11.6	46
14	How do Public Demonstration Projects Promote Greenâ€Manufacturing Technologies? A Case Study from China. Sustainable Development, 2015, 23, 217-231.	12.5	45
15	Comparing the knowledge bases of wind turbine firms in Asia and Europe: Patent trajectories, networks, and globalisation. Science and Public Policy, 2016, 43, 476-491.	2.4	43
16	Firm-level technology transfer and technology cooperation for wind energy between Europe, China and India: From Northâ€“South to Southâ€“North cooperation?. Energy for Sustainable Development, 2015, 28, 29-40.	4.5	39
17	Managing knowledge sharing in distributed innovation from the perspective of developers: empirical study of open source software projects in China. Technology Analysis and Strategic Management, 2017, 29, 1-22.	3.5	34
18	Clustering enterprises into eco-industrial parks: Can interfirm alliances help small and medium-sized enterprises?. Journal of Cleaner Production, 2017, 168, 1070-1079.	9.3	32

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19	Comparing the International Knowledge Flow of Chinaâ€™s Wind and Solar Photovoltaic (PV) Industries: Patent Analysis and Implications for Sustainable Development. Sustainability, 2018, 10, 1883.	3.2	32
20	How public demonstration projects affect the emergence of new industries: an empirical study of electric vehicles in China. Innovation: Management, Policy and Practice, 2015, 17, 159-181.	3.9	29
21	Chinaâ€™s leadership in the hydropower sector: identifying green windows of opportunity for technological catch-up. Industrial and Corporate Change, 2021, 29, 1319-1343.	2.8	26
22	Mapping the technology evolution path: a novel model for dynamic topic detection and tracking. Scientometrics, 2020, 125, 2043-2090.	3.0	25
23	Monitoring and forecasting the development trends of nanogenerator technology using citation analysis and text mining. Nano Energy, 2020, 71, 104636.	16.0	25
24	Key actors and their motives for wind energy innovation in China. Innovation and Development, 2012, 2, 111-130.	2.2	24
25	Roadmapping for industrial emergence and innovation gaps to catch-up: a patent-based analysis of OLED industry in China. International Journal of Technology Management, 2016, 72, 105.	0.5	24
26	Stakeholder Risk and Trust Perceptions in the Diffusion of Green Manufacturing Technologies: Evidence From China. Journal of Environment and Development, 2018, 27, 46-73.	3.2	23
27	A novel method to identify emerging technologies using a semi-supervised topic clustering model: a case of 3D printing industry. Scientometrics, 2019, 120, 167-185.	3.0	23
28	Does green industrial policy promote the sustainable growth of polluting firms? Evidences from China. Science of the Total Environment, 2021, 764, 142927.	8.0	23
29	Convergence or divergence? Wind power innovation paths in Europe and Asia. Science and Public Policy, 2016, 43, 400-413.	2.4	21
30	Regulating the environmental behavior of manufacturing SMEs: Interfirm alliance as a facilitator. Journal of Cleaner Production, 2017, 165, 393-404.	9.3	21
31	The Impact of Corporate Social Responsibility on Firmsâ€™ Innovation in China: The Role of Institutional Support. Sustainability, 2019, 11, 6369.	3.2	21
32	A deep learning framework to early identify emerging technologies in large-scale outlier patents: an empirical study of CNC machine tool. Scientometrics, 2021, 126, 969-994.	3.0	21
33	Building global products and competing in innovation: the role of Chinese university spin-outs and required innovation capabilities. International Journal of Technology Management, 2014, 64, 180.	0.5	19
34	Identifying technology evolution pathways using topic variation detection based on patent data: A case study of 3D printing. Futures, 2020, 118, 102530.	2.5	19
35	Environmental Policy Mixes and Green Industrial Development: An Empirical Study of the Chinese Textile Industry From 1998 to 2012. IEEE Transactions on Engineering Management, 2022, 69, 742-754.	3.5	16
36	Comparing the Technology Trajectories of Solar PV and Solar Water Heaters in China: Using a Patent Lens. Sustainability, 2018, 10, 4166.	3.2	14

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37	Visualizing the knowledge profile on self-powered technology. Nano Energy, 2018, 51, 250-259.	16.0	14
38	Mapping an innovation ecosystem using network clustering and community identification: a multi-layered framework. Scientometrics, 2020, 124, 2057-2081.	3.0	14
39	Comparing the innovation strategies of Chinese and European wind turbine firms through a patent lens. Environmental Innovation and Societal Transitions, 2019, 30, 6-18.	5.5	12
40	Introduction to the Special Issue on the New Silk Road of Innovation: R&D Networks, Knowledge Diffusions, and Open Innovation. R and D Management, 2021, 51, 243-246.	5.3	12
41	Effects of relational embeddedness on technological innovation. Chinese Management Studies, 2012, 6, 108-123.	1.4	11
42	Barriers to entrepreneurial growth: an empirical study on university spinâ€offs in China. Journal of Science and Technology Policy in China, 2011, 2, 277-294.	0.2	10
43	A policy dimension required for technology roadmapping: learning from the emergence of Chinese wind turbine industry. International Journal of Environment and Sustainable Development, 2013, 12, 3.	0.3	10
44	Exploring the Development of Research, Technology and Business of Machine Tool Domain in New-Generation Information Technology Environment Based on Machine Learning. Sustainability, 2019, 11, 3316.	3.2	10
45	How Can Government Promote Technology Diffusion in Manufacturing Paradigm Shift? Evidence From China. IEEE Transactions on Engineering Management, 2023, 70, 1547-1559.	3.5	10
46	Analysis of Spatialâ€“Temporal Characteristics of Industrial Land Supply Scale in Relation to Industrial Structure in China. Land, 2021, 10, 1272.	2.9	10
47	Elements, characteristics, and performances of inter-enterprise knowledge recombination: Empirical research on green innovation adoption in China's heavily polluting industry. Journal of Environmental Management, 2022, 310, 114736.	7.8	10
48	Advanced Technology Evolution Pathways of Nanogenerators: A Novel Framework Based on Multi-Source Data and Knowledge Graph. Nanomaterials, 2022, 12, 838.	4.1	8
49	Effects of control in open innovation: an empirical study of university-industry cooperation in China. International Journal of Technology, Policy and Management, 2014, 14, 346.	0.3	7
50	Network Proximity and Communities in Innovation Clusters Across Knowledge, Business, and Geography: Evidence From China. IEEE Transactions on Engineering Management, 2021, 68, 1388-1397.	3.5	7
51	A crowd-sourced valuation of recreational ecosystem services using mobile signal data applied to a restored wetland in China. Ecological Economics, 2022, 192, 107249.	5.7	7
52	Roadmapping an emerging energy technology: an ex-ante examination of dimethyl ether development in China. International Journal of Product Development, 2012, 17, 296.	0.2	6
53	The Innovation Effect of Intelligent Connected Vehicle Policies in China. IEEE Access, 2022, 10, 24738-24748.	4.2	6
54	A novel topic model for documents by incorporating semantic relations between words. Soft Computing, 2020, 24, 11407-11423.	3.6	5

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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.	0.3	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.	4.1	1
64	SEA-PS: Semantic embedding with attention to measuring patent similarity by leveraging various text fields. Journal of Information Science, 0, , 016555152211066.	3.3	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