

# Yuan Zhou

## List of Publications by Citations

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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.

59  
papers

1,036  
citations

20  
h-index

30  
g-index

70  
ext. papers

1,394  
ext. citations

5  
avg, IF

5.19  
L-index

#	Paper	IF	Citations
59	Exploring innovation ecosystems across science, technology, and business: A case of 3D printing in China. <i>Technological Forecasting and Social Change</i> , <b>2018</b> , 136, 208-221	9.5	69
58	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> , <b>2019</b> , 210, 518-529	10.3	67
57	Wasserstein GAN-Based Small-Sample Augmentation for New-Generation Artificial Intelligence: A Case Study of Cancer-Staging Data in Biology. <i>Engineering</i> , <b>2019</b> , 5, 156-163	9.7	64
56	Integrating bibliometrics and roadmapping methods: A case of dye-sensitized solar cell technology-based industry in China. <i>Technological Forecasting and Social Change</i> , <b>2015</b> , 97, 205-222	9.5	63
55	Energy Performance Contract models for the diffusion of green-manufacturing technologies in China: A stakeholder analysis from SMEs' perspective. <i>Energy Policy</i> , <b>2017</b> , 106, 59-67	7.2	48
54	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> , <b>2019</b> , 146, 687-705	9.5	44
53	Local implementation for green-manufacturing technology diffusion policy in China: from the user firms' perspectives. <i>Journal of Cleaner Production</i> , <b>2016</b> , 129, 113-124	10.3	40
52	How do Public Demonstration Projects Promote Green-Manufacturing Technologies? A Case Study from China. <i>Sustainable Development</i> , <b>2015</b> , 23, 217-231	6.7	38
51	Comparing the knowledge bases of wind turbine firms in Asia and Europe: Patent trajectories, networks, and globalisation. <i>Science and Public Policy</i> , <b>2016</b> , 43, 476-491	1.8	34
50	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> , <b>2017</b> , 119, 80-97	9.5	33
49	Unfolding the convergence process of scientific knowledge for the early identification of emerging technologies. <i>Technological Forecasting and Social Change</i> , <b>2019</b> , 144, 205-220	9.5	29
48	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> , <b>2015</b> , 28, 29-40	5.4	29
47	Comparing the International Knowledge Flow of China's Wind and Solar Photovoltaic (PV) Industries: Patent Analysis and Implications for Sustainable Development. <i>Sustainability</i> , <b>2018</b> , 10, 1883	3.6	27
46	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> , <b>2017</b> , 29, 1-22	3.2	27
45	Big data analysis adaptation and enterprises' competitive advantages: the perspective of dynamic capability and resource-based theories. <i>Technology Analysis and Strategic Management</i> , <b>2019</b> , 31, 406-420	3.2	27
44	Innovation core, innovation semi-periphery and technology transfer: The case of wind energy patents. <i>Energy Policy</i> , <b>2018</b> , 120, 213-227	7.2	27
43	Forecasting emerging technologies using data augmentation and deep learning. <i>Scientometrics</i> , <b>2020</b> , 123, 1-29	3	26

42	Clustering enterprises into eco-industrial parks: Can interfirm alliances help small and medium-sized enterprises?. <i>Journal of Cleaner Production</i> , <b>2017</b> , 168, 1070-1079	10.3	23
41	Key actors and their motives for wind energy innovation in China. <i>Innovation and Development</i> , <b>2012</b> , 2, 111-130	1	21
40	Upgrading Pathways of Intelligent Manufacturing in China: Transitioning across Technological Paradigms. <i>Engineering</i> , <b>2019</b> , 5, 691-701	9.7	20
39	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> , <b>2015</b> , 17, 159-181	1.3	20
38	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> , <b>2016</b> , 72, 105	1.2	19
37	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> , <b>2014</b> , 64, 180	1.2	18
36	Convergence or divergence? Wind power innovation paths in Europe and Asia. <i>Science and Public Policy</i> , <b>2016</b> , 43, 400-413	1.8	17
35	Regulating the environmental behavior of manufacturing SMEs: Interfirm alliance as a facilitator. <i>Journal of Cleaner Production</i> , <b>2017</b> , 165, 393-404	10.3	15
34	China's leadership in the hydropower sector: identifying green windows of opportunity for technological catch-up. <i>Industrial and Corporate Change</i> , <b>2021</b> , 29, 1319-1343	2.1	14
33	Stakeholder Risk and Trust Perceptions in the Diffusion of Green Manufacturing Technologies: Evidence From China. <i>Journal of Environment and Development</i> , <b>2018</b> , 27, 46-73	2.3	14
32	Effects of relational embeddedness on technological innovation. <i>Chinese Management Studies</i> , <b>2012</b> , 6, 108-123	1.8	11
31	The Impact of Corporate Social Responsibility on Firms' Innovation in China: The Role of Institutional Support. <i>Sustainability</i> , <b>2019</b> , 11, 6369	3.6	11
30	Comparing the innovation strategies of Chinese and European wind turbine firms through a patent lens. <i>Environmental Innovation and Societal Transitions</i> , <b>2019</b> , 30, 6-18	7.6	11
29	A novel method to identify emerging technologies using a semi-supervised topic clustering model: a case of 3D printing industry. <i>Scientometrics</i> , <b>2019</b> , 120, 167-185	3	10
28	Monitoring and forecasting the development trends of nanogenerator technology using citation analysis and text mining. <i>Nano Energy</i> , <b>2020</b> , 71, 104636	17.1	10
27	Visualizing the knowledge profile on self-powered technology. <i>Nano Energy</i> , <b>2018</b> , 51, 250-259	17.1	10
26	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> , <b>2019</b> , 11, 3316	3.6	9
25	Does green industrial policy promote the sustainable growth of polluting firms? Evidences from China. <i>Science of the Total Environment</i> , <b>2021</b> , 764, 142927	10.2	9

24	Comparing the Technology Trajectories of Solar PV and Solar Water Heaters in China: Using a Patent Lens. <i>Sustainability</i> , <b>2018</b> , 10, 4166	3.6	8
23	Barriers to entrepreneurial growth: an empirical study on university spin-offs in China. <i>Journal of Science and Technology Policy in China</i> , <b>2011</b> , 2, 277-294		7
22	Mapping the technology evolution path: a novel model for dynamic topic detection and tracking. <i>Scientometrics</i> , <b>2020</b> , 125, 2043-2090	3	7
21	Identifying technology evolution pathways using topic variation detection based on patent data: A case study of 3D printing. <i>Futures</i> , <b>2020</b> , 118, 102530	3.6	6
20	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> , <b>2013</b> , 12, 3	1.3	6
19	A deep learning framework to early identify emerging technologies in large-scale outlier patents: an empirical study of CNC machine tool. <i>Scientometrics</i> , <b>2021</b> , 126, 969-994	3	6
18	Mapping an innovation ecosystem using network clustering and community identification: a multi-layered framework. <i>Scientometrics</i> , <b>2020</b> , 124, 2057-2081	3	5
17	Effects of control in open innovation: an empirical study of university-industry cooperation in China. <i>International Journal of Technology, Policy and Management</i> , <b>2014</b> , 14, 346	0.3	5
16	Roadmapping an emerging energy technology: an ex-ante examination of dimethyl ether development in China. <i>International Journal of Product Development</i> , <b>2012</b> , 17, 296	0.7	5
15	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> , <b>2020</b> , 1-13	2.6	5
14	How Can Government Promote Technology Diffusion in Manufacturing Paradigm Shift? Evidence From China. <i>IEEE Transactions on Engineering Management</i> , <b>2020</b> , 1-13	2.6	4
13	Analysis of Spatial-Temporal Characteristics of Industrial Land Supply Scale in Relation to Industrial Structure in China. <i>Land</i> , <b>2021</b> , 10, 1272	3.5	3
12	A crowd-sourced valuation of recreational ecosystem services using mobile signal data applied to a restored wetland in China. <i>Ecological Economics</i> , <b>2022</b> , 192, 107249	5.6	2
11	A novel topic model for documents by incorporating semantic relations between words. <i>Soft Computing</i> , <b>2020</b> , 24, 11407-11423	3.5	2
10	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> , <b>2021</b> , 51, 243-246	4.1	2
9	The Innovation Effect of Intelligent Connected Vehicle Policies in China. <i>IEEE Access</i> , <b>2022</b> , 10, 24738-24748	3.48	2
8	Successful or unsuccessful open source software projects: What is the key? <b>2015</b> ,		1
7	Mechanisms of knowledge sharing in open source software projects: a comparison of Chinese and Western practice. <i>International Journal of Technology Intelligence and Planning</i> , <b>2016</b> , 11, 117	0.4	1

6	University science parks and promoting knowledge transfer in emerging economies: A study on required attributes with evidences from South Africa and China <b>2013</b> ,		1
5	Entrepreneurial innovation problems associated with the dynamic growth of university spin-outs in China: a capabilities perspective. <i>International Journal of Entrepreneurship and Innovation Management</i> , <b>2010</b> , 12, 330	0.4	1
4	Identifying Technology Evolution Pathways by Integrating Citation Network and Text Mining <b>2019</b> ,		1
3	Engineering and Technology Management <b>2018</b> , 11-48		1
2	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> , <b>2022</b> , 310, 114736	7.9	1
1	. <i>IEEE Transactions on Engineering Management</i> , <b>2021</b> , 68, 1388-1397	2.6	0