Xuefeng Wang

List of Publications by Year
in descending order

47 papers	748 citations	566801 15 h-index	552369 26 g-index
47 all docs	47 docs citations	47 times ranked	603 citing authors

#	Article	IF	Citations
1	Evaluating sustainability of water-energy-food (WEF) nexus using an improved matter-element extension model: A case study of China. Journal of Cleaner Production, 2018, 202, 1097-1106.	4.6	92
2	Subject–action–object-based morphology analysis for determining the direction of technological change. Technological Forecasting and Social Change, 2016, 105, 27-40.	6.2	65
3	A hybrid visualisation model for technology roadmapping: bibliometrics, qualitative methodology and empirical study. Technology Analysis and Strategic Management, 2013, 25, 707-724.	2.0	63
4	Identification of technology development trends based on subject–action–object analysis: The case of dye-sensitized solar cells. Technological Forecasting and Social Change, 2015, 98, 24-46.	6.2	62
5	How Does National Scientific Funding Support Emerging Interdisciplinary Research: A Comparison Study of Big Data Research in the US and China. PLoS ONE, 2016, 11, e0154509.	1.1	40
6	Measuring patent similarity with SAO semantic analysis. Scientometrics, 2019, 121, 1-23.	1.6	39
7	An approach to identify emergent topics of technological convergence: A case study for 3D printing. Technological Forecasting and Social Change, 2019, 146, 723-732.	6.2	35
8	Early insights on the Emerging Sources Citation Index (ESCI): an overlay map-based bibliometric study. Scientometrics, 2017, 111, 2041-2057.	1.6	34
9	Combining SAO semantic analysis and morphology analysis to identify technology opportunities. Scientometrics, 2017, 111, 3-24.	1.6	32
10	Evaluating the competitiveness of enterprise's technology based on LDA topic model. Technology Analysis and Strategic Management, 2020, 32, 208-222.	2.0	25
11	Collaboration network and pattern analysis: case study of dye-sensitized solar cells. Scientometrics, 2014, 98, 1745-1762.	1.6	24
12	Requirement-oriented core technological components' identification based on SAO analysis. Scientometrics, 2017, 112, 1229-1248.	1.6	21
13	Technology Opportunity Analysis: Combining SAO Networks and Link Prediction. IEEE Transactions on Engineering Management, 2021, 68, 1288-1298.	2.4	21
14	An integrated solution for detecting rising technology stars in co-inventor networks. Scientometrics, 2019, 121, 137-172.	1.6	20
15	Identifying R&D partners through Subject-Action-Object semantic analysis in a problem & solution pattern. Technology Analysis and Strategic Management, 2017, 29, 1167-1180.	2.0	17
16	International Collaboration Activity Index: Case study of dye-sensitized solar cells. Journal of Informetrics, 2014, 8, 854-862.	1.4	15
17	Measuring interdisciplinarity of a research system: detecting distinction between publication categories and citation categories. Scientometrics, 2017, 111, 2023-2039.	1.6	15
18	How pharmaceutical innovation evolves: The path from science to technological development to marketable drugs. Technological Forecasting and Social Change, 2021, 167, 120698.	6.2	13

#	Article	IF	Citations
19	SAO Semantic Information Identification for Text Mining. International Journal of Computational Intelligence Systems, 2017, 10, 593.	1.6	13
20	A Study to Analyze Collaboration Patterns for Asian Library and Information Science (LIS) Scholars on Author, Institutional and Country Levels. Serials Review, 2016, 42, 18-30.	0.4	11
21	A Supervised Requirement-oriented Patent Classification Scheme Based on the Combination of Metadata and Citation Information. International Journal of Computational Intelligence Systems, 2015, 8, 502.	1.6	9
22	Research status and collaboration analysis based on big data mining: an empirical study of Alzheimer's disease. Technology Analysis and Strategic Management, 2021, 33, 379-395.	2.0	9
23	China's patterns of international technological collaboration 1976â€"2010: a patent analysis study. Technology Analysis and Strategic Management, 2014, 26, 531-546.	2.0	8
24	Evaluating scientific impact of publications: combining citation polarity and purpose. Scientometrics, 2022, 127, 5257-5281.	1.6	8
25	ITGInsightâ€"discovering and visualizing research fronts in the scientific literature. Scientometrics, 2022, 127, 6509-6531.	1.6	8
26	Identifying R&D partners for dye-sensitized solar cells: a multi-level patent portfolio-based approach. Technology Analysis and Strategic Management, 2019, 31, 356-370.	2.0	6
27	Measuring Technology Complementarity Between Enterprises With an hLDA Topic Model. IEEE Transactions on Engineering Management, 2021, 68, 1309-1320.	2.4	6
28	Identifying the Roles of Research Entities in Technological Knowledge Flow Among Patents Assignees by Using Patent Citations. IEEE Transactions on Engineering Management, 2022, 69, 2754-2768.	2.4	5
29	Refining the Measurement of Topic Similarities Through Bibliographic Coupling and LDA. IEEE Access, 2019, 7, 179997-180011.	2.6	5
30	Revealing potential drug-disease-gene association patterns for precision medicine. Scientometrics, 2021, 126, 3723-3748.	1.6	4
31	An ensemble learning framework for potential miRNA-disease association prediction with positive-unlabeled data. Computational Biology and Chemistry, 2021, 95, 107566.	1.1	4
32	Reviewer recommendation method for scientific research proposals: a case for NSFC. Scientometrics, 2022, 127, 3343-3366.	1.6	4
33	Panel Data Clustering and Its Application to Discount Rate of B Stock in China. , 2009, , .		3
34	Generating Competitive Technical Intelligence Using Topical Analysis, Patent Citation Analysis, and Term Clumping Analysis. Innovation, Technology and Knowledge Management, 2016, , 153-172.	0.4	3
35	Discovering technology opportunities based on the linkage between technology and business areas: matching patents and trademarks. Technology Analysis and Strategic Management, 2023, 35, 1324-1340.	2.0	3
36	SAO-based core technological components' identification. , 2016, , .		2

#	Article	IF	Citations
37	Research on the cost forecast of China's photovoltaic industry. R and D Management, 2016, 46, 3-12.	3.0	2
38	Composing a technology delivery system for an emerging energy technology: The case of dye-sensitized solar cells. , 2011, , .		1
39	Research on commercial potential evaluation of newly & emerging technology: A case study of graphene. , 2016, , .		1
40	Profiling innovation system for Solar Photovoltaics in China. , 2009, , .		0
41	Text-mining-based funding monitoring for science foundation: A case study of NSFC. , 2010, , .		0
42	Innovation risk-utility pathway method applied to dye-sensitized solar cells. , 2011, , .		0
43	Fitting Network Data Based on Latent Cluster Model. , 2011, , .		0
44	USER DEMAND-DRIVEN PATENT TOPIC CLASSIFICATION USING MACHINE LEARNING TECHNIQUES. , 2014, , .		0
45	Exploring the Nanotechnology Landscape for Competitive Advantage Using SAO-Mining. , 2017, , .		0
46	Imbalances Between the Quantity and Quality of Chinaâ€™s Solar Energy Research. Sustainability, 2019, 11, 623.	1.6	0
47	Research Topic Recommendation Based on Latent Dirichlet Allocation. , 2019, , .		0