

Yufei Liu

List of Publications by Year in descending order

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16
papers

450
citations

1039406

9
h-index

996533

15
g-index

16
all docs

16
docs citations

16
times ranked

451
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Emerging nanogenerator technology in China: A review and forecast using integrating bibliometrics, patent analysis and technology roadmapping methods. <i>Nano Energy</i> , 2018, 46, 322-330.	8.2	67
3	Forecasting emerging technologies using data augmentation and deep learning. <i>Scientometrics</i> , 2020, 123, 1-29.	1.6	61
4	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
5	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
6	Isomer-specific profiling of N-glycans derived from human serum for potential biomarker discovery in pancreatic cancer. <i>Journal of Proteomics</i> , 2018, 181, 160-169.	1.2	29
7	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
8	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
9	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
10	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
11	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
12	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
13	A novel topic model for documents by incorporating semantic relations between words. <i>Soft Computing</i> , 2020, 24, 11407-11423.	2.1	5
14	Comparison of the methods for profiling N-glycans in hepatocellular carcinoma serum glycomics study. <i>RSC Advances</i> , 2018, 8, 26116-26123.	1.7	2
15	Unveiling Evolutionary Path of Nanogenerator Technology: A Novel Method Based on Sentence-BERT. <i>Nanomaterials</i> , 2022, 12, 2018.	1.9	1
16	SEA-PS: Semantic embedding with attention to measuring patent similarity by leveraging various text fields. <i>Journal of Information Science</i> , 0, 016555152211066.	2.0	1