Yufei Liu

List of Publications by Year
in descending order

16 papers	450 citations	1040056 9 h-index	996975 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. Engineering, 2019, 5, 156-163.	6.7	101
2	Emerging nanogenerator technology in China: A review and forecast using integrating bibliometrics, patent analysis and technology roadmapping methods. Nano Energy, 2018, 46, 322-330.	16.0	67
3	Forecasting emerging technologies using data augmentation and deep learning. Scientometrics, 2020, 123, 1-29.	3.0	61
4	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
5	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
6	Isomer-specific profiling of N-glycans derived from human serum for potential biomarker discovery in pancreatic cancer. Journal of Proteomics, 2018, 181, 160-169.	2.4	29
7	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
8	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
9	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
10	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
11	Advanced Technology Evolution Pathways of Nanogenerators: A Novel Framework Based on Multi-Source Data and Knowledge Graph. Nanomaterials, 2022, 12, 838.	4.1	8
12	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
13	A novel topic model for documents by incorporating semantic relations between words. Soft Computing, 2020, 24, 11407-11423.	3.6	5
14	Comparison of the methods for profiling N-glycans—hepatocellular carcinoma serum glycomics study. RSC Advances, 2018, 8, 26116-26123.	3.6	2
15	Unveiling Evolutionary Path of Nanogenerator Technology: A Novel Method Based on Sentence-BERT. Nanomaterials, 2022, 12, 2018.	4.1	1
16	SEA-PS: Semantic embedding with attention to measuring patent similarity by leveraging various text fields. Journal of Information Science, 0, , 016555152211066.	3.3	1