

# Zhe Jiang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4108220/publications.pdf>

Version: 2024-02-01

33  
papers

591  
citations

933447

10  
h-index

752698

20  
g-index

33  
all docs

33  
docs citations

33  
times ranked

577  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal Data Mining: A Computational Perspective. ISPRS International Journal of Geo-Information, 2015, 4, 2306-2338.	2.9	145
2	Monitoring Land-Cover Changes: A Machine-Learning Perspective. IEEE Geoscience and Remote Sensing Magazine, 2016, 4, 8-21.	9.6	75
3	A Survey on Spatial Prediction Methods. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1645-1664.	5.7	48
4	Focal-Test-Based Spatial Decision Tree Learning. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 1547-1559.	5.7	40
5	Spatial computing perspective on food energy and water nexus. Journal of Environmental Studies and Sciences, 2016, 6, 62-76.	2.0	36
6	Spatial Big Data Science. , 2017, , .		31
7	Parallel Grid-Based Colocation Mining Algorithms on GPUs for Big Spatial Event Data. IEEE Transactions on Big Data, 2020, 6, 107-118.	6.1	20
8	The Nexus of Food, Energy, and Water Resources: Visions and Challenges in Spatial Computing. Advances in Geographic Information Science, 2017, , 5-20.	0.6	19
9	Focal-Test-Based Spatial Decision Tree Learning: A Summary of Results. , 2013, , .		18
10	Learning spatial decision tree for geographical classification. , 2012, , .		17
11	Geographical Hidden Markov Tree for Flood Extent Mapping. , 2018, , .		17
12	Extensibility of U-Net Neural Network Model for Hydrographic Feature Extraction and Implications for Hydrologic Modeling. Remote Sensing, 2021, 13, 2368.	4.0	15
13	Spatial Ensemble Learning for Heterogeneous Geographic Data with Class Ambiguity. , 2017, , .		13
14	Spatial Ensemble Learning for Heterogeneous Geographic Data with Class Ambiguity. ACM Transactions on Intelligent Systems and Technology, 2019, 10, 1-25.	4.5	13
15	Spatial Structured Prediction Models: Applications, Challenges, and Techniques. IEEE Access, 2020, 8, 38714-38727.	4.2	10
16	Hidden Markov Contour Tree. , 2019, , .		8
17	Large-Scale River Mapping Using Contrastive Learning and Multi-Source Satellite Imagery. Remote Sensing, 2021, 13, 2893.	4.0	8
18	Interpretable Spatiotemporal Deep Learning Model for Traffic Flow Prediction Based on Potential Energy Fields. , 2020, , .		8

#	ARTICLE	IF	CITATIONS
19	Mapping Road Safety Features from Streetview Imagery. ACM/IMS Transactions on Data Science, 2020, 1, 1-20.	2.0	7
20	Geographical Hidden Markov Tree. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	5.7	6
21	Semi-Supervised Learning With the EM Algorithm: A Comparative Study Between Unstructured and Structured Prediction. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2912-2920.	5.7	6
22	A Hidden Markov Contour Tree Model for Spatial Structured Prediction. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	5.7	5
23	A Hidden Markov Tree Model for Flood Extent Mapping in Heavily Vegetated Areas based on High Resolution Aerial Imagery and DEM: A Case Study on Hurricane Matthew Floods. International Journal of Remote Sensing, 2021, 42, 1160-1179.	2.9	5
24	Spatial Big Data. , 2017, , 3-13.		4
25	Spatial Classification with Limited Observations Based on Physics-Aware Structural Constraint. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 898-905.	4.9	4
26	Weakly Supervised Spatial Deep Learning for Earth Image Segmentation Based on Imperfect Polyline Labels. ACM Transactions on Intelligent Systems and Technology, 2022, 13, 1-20.	4.5	4
27	Deep Neural Network for 3D Surface Segmentation based on Contour Tree Hierarchy. , 2021, , 253-261.		2
28	Flood Inundation Mapping with Limited Observations Based on Physics-Aware Topography Constraint. Frontiers in Big Data, 2021, 4, 707951.	2.9	2
29	Learning a Spatial Ensemble of Classifiers for Raster Classification: A Summary of Results. , 2014, , .		1
30	Learning Spatial Decision Trees for Land Cover Mapping. , 2015, , .		1
31	Weakly Supervised Spatial Deep Learning based on Imperfect Vector Labels with Registration Errors. , 2021, , .		1
32	Mining Colocation from Big Geo-Spatial Event Data on GPU. , 2021, , 241-259.		1
33	Earth Imagery Segmentation on Terrain Surface with Limited Training Labels: A Semi-supervised Approach based on Physics-Guided Graph Co-Training. ACM Transactions on Intelligent Systems and Technology, 2022, 13, 1-22.	4.5	1