

Hong Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

580
citations

687363

13
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

460
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial heterogeneity of ports in the global maritime network detected by weighted ego network analysis. <i>Maritime Policy and Management</i> , 2018, 45, 89-104.	3.8	62
2	A hierarchy-based solution to calculate the configurational entropy of landscape gradients. <i>Landscape Ecology</i> , 2017, 32, 1133.	4.2	46
3	Boltzmann Entropy-Based Unsupervised Band Selection for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 462-466.	3.1	45
4	Fractality and Self-Similarity in the Structure of Road Networks. <i>Annals of the American Association of Geographers</i> , 2012, 102, 350-365.	3.0	40
5	Visualising the expansion and spread of coronavirus disease 2019 by cartograms. <i>Environment and Planning A</i> , 2020, 52, 698-701.	3.6	37
6	Fractal dimensions of metropolitan area road networks and the impacts on the urban built environment. <i>Ecological Indicators</i> , 2016, 70, 285-296.	6.3	35
7	The structural and spatial properties of the high-speed railway network in China: A complex network perspective. <i>Journal of Rail Transport Planning and Management</i> , 2019, 9, 46-56.	1.4	33
8	Thermodynamics-Based Evaluation of Various Improved Shannon Entropies for Configurational Information of Gray-Level Images. <i>Entropy</i> , 2018, 20, 19.	2.2	30
9	Mapping the hierarchical structure of the global shipping network by weighted ego network analysis. <i>International Journal of Shipping and Transport Logistics</i> , 2018, 10, 63.	0.5	29
10	Weighted ego network for forming hierarchical structure of road networks. <i>International Journal of Geographical Information Science</i> , 2011, 25, 255-272.	4.8	28
11	Competitiveness or Complementarity? A Dynamic Network Analysis of International Agri-Trade along the Belt and Road. <i>Applied Spatial Analysis and Policy</i> , 2020, 13, 349-374.	2.0	27
12	An efficient analytical method for computing the Boltzmann entropy of a landscape gradient. <i>Transactions in GIS</i> , 2018, 22, 1046-1063.	2.3	25
13	Fractal evolution of urban street networks in form and structure: a case study of Hong Kong. <i>International Journal of Geographical Information Science</i> , 2022, 36, 1100-1118.	4.8	23
14	Urban Allometric Scaling Beneath Structural Fractality of Road Networks. <i>Annals of the American Association of Geographers</i> , 2019, 109, 943-957.	2.2	17
15	Science and technology insurance and regional innovation: evidence from provincial panel data in China. <i>Technology Analysis and Strategic Management</i> , 2024, 36, 746-764.	3.5	16
16	Characterizing the Structure of the Railway Network in China: A Complex Weighted Network Approach. <i>Journal of Advanced Transportation</i> , 2019, 2019, 1-10.	1.7	15
17	Calculating the Wasserstein Metric-Based Boltzmann Entropy of a Landscape Mosaic. <i>Entropy</i> , 2020, 22, 381.	2.2	14
18	Mapping the changing Internet attention to the spread of coronavirus disease 2019 in China. <i>Environment and Planning A</i> , 2020, 52, 691-694.	3.6	10

#	ARTICLE	IF	CITATIONS
19	Imbalance deep multi-instance learning for predicting isoform-isoform interactions. <i>International Journal of Intelligent Systems</i> , 2021, 36, 2797-2824.	5.7	8
20	Near real-time estimation of excess commuting from open-source data: Evidence from China's megacities. <i>Journal of Transport Geography</i> , 2021, 91, 102929.	5.0	7
21	Wasserstein metric-based Boltzmann entropy of a landscape mosaic: a clarification, correction, and evaluation of thermodynamic consistency. <i>Landscape Ecology</i> , 2021, 36, 815-827.	4.2	7
22	Where are equity and service effectiveness? A tale from public transport in Shanghai. <i>Journal of Transport Geography</i> , 2022, 98, 103275.	5.0	7
23	Relationships between fractal road and drainage networks in Wuling mountainous area: Another symmetric understanding of human-environment relations. <i>Journal of Mountain Science</i> , 2014, 11, 1060-1069.	2.0	6
24	A Head/Tail Breaks-Based Method for Efficiently Estimating the Absolute Boltzmann Entropy of Numerical Raster Data. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 103.	2.9	6
25	Exploring the Structural Fractality of Urban Road Networks by Different Representations. <i>Professional Geographer</i> , 2021, 73, 348-362.	1.8	4
26	A Joint Landscape Metric and Error Image Approach to Unsupervised Band Selection for Hyperspectral Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	3.1	2
27	A Comparative Study of Various Properties to Measure the Road Hierarchy in Road Networks. <i>Advances in Geographic Information Science</i> , 2017, , 157-166.	0.6	1