Wei Xu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5704100/publications.pdf

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35	922	566801	454577
papers	citations	15 h-index	30 g-index

37	37	37	951
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of dry/wet conditions using the standardized precipitation index and its potential usefulness for drought/flood monitoring in Hunan Province, China. Stochastic Environmental Research and Risk Assessment, 2013, 27, 377-387.	1.9	171
2	Assessment of social vulnerability to natural hazards in the Yangtze River Delta, China. Stochastic Environmental Research and Risk Assessment, 2013, 27, 1899-1908.	1.9	75
3	A non-dominated sorting genetic algorithm for the location and districting planning of earthquake shelters. International Journal of Geographical Information Science, 2014, 28, 1482-1501.	2.2	58
4	A modified particle swarm optimization algorithm for optimal allocation of earthquake emergency shelters. International Journal of Geographical Information Science, 2012, 26, 1643-1666.	2.2	57
5	Quantitative multi-hazard risk assessment with vulnerability surface and hazard joint return period. Stochastic Environmental Research and Risk Assessment, 2015, 29, 35-44.	1.9	53
6	Global exposure to rainstorms and the contribution rates of climate change and population change. Science of the Total Environment, 2019, 663, 644-653.	3.9	52
7	A comparison of scenario-based hybrid bilevel and multi-objective location-allocation models for earthquake emergency shelters: a case study in the central area of Beijing, China. International Journal of Geographical Information Science, 2018, 32, 236-256.	2.2	42
8	Exceedance probability of multiple natural hazards: risk assessment in Chinaâ€™s Yangtze River Delta. Natural Hazards, 2013, 69, 2039-2055.	1.6	36
9	Scenario-Based Multi-Objective Optimum Allocation Model for Earthquake Emergency Shelters Using a Modified Particle Swarm Optimization Algorithm: A Case Study in Chaoyang District, Beijing, China. PLoS ONE, 2015, 10, e0144455.	1.1	35
10	Relationships Between Evacuation Population Size, Earthquake Emergency Shelter Capacity, and Evacuation Time. International Journal of Disaster Risk Science, 2017, 8, 457-470.	1.3	34
11	Site Selection Models in Natural Disaster Shelters: A Review. Sustainability, 2019, 11, 399.	1.6	34
12	Modeling the Hourly Distribution of Population at a High Spatiotemporal Resolution Using Subway Smart Card Data: A Case Study in the Central Area of Beijing. ISPRS International Journal of Geo-Information, 2017, 6, 128.	1.4	33
13	A multi-objective optimization based method for evaluating earthquake shelter locationâ€“allocation. Geomatics, Natural Hazards and Risk, 2018, 9, 662-677.	2.0	24
14	LiDAR Filtering of Urban Areas With Region Growing Based on Moving-Window Weighted Iterative Least-Squares Fitting. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 841-845.	1.4	19
15	Global mortality risk assessment from river flooding under climate change. Environmental Research Letters, 2021, 16, 064036.	2.2	19
16	Increasingly dry/wet abrupt alternation events in a warmer world: Observed evidence from China during 1980â€“2019. International Journal of Climatology, 2022, 42, 6429-6440.	1.5	17
17	Mapping the expected annual fatality risk of volcano on a global scale. International Journal of Disaster Risk Reduction, 2015, 13, 52-60.	1.8	14
18	Mapping and ranking global mortality, affected population and GDP loss risks for multiple climatic hazards. Journal of Chinese Geography, 2016, 26, 878-888.	1.5	13

#	Article	IF	Citations
19	A hierarchical mathematical model of the earthquake shelter location-allocation problem solved using an interleaved MPSOâ€“GA. Geomatics, Natural Hazards and Risk, 2019, 10, 1712-1737.	2.0	13
20	Emergency shelters location-allocation problem concerning uncertainty and limited resources: a multi-objective optimization with a case study in the Central area of Beijing, China. Geomatics, Natural Hazards and Risk, 2019, 10, 1242-1266.	2.0	13
21	Changes in the spatiotemporal patterns of dry/wet abrupt alternation frequency, duration, and severity in Mainland China, 1980â€“2019. Science of the Total Environment, 2022, 838, 156521.	3.9	13
22	Assessment of the Casualty Risk of Multiple Meteorological Hazards in China. International Journal of Environmental Research and Public Health, 2016, 13, 222.	1.2	12
23	Increase of Elderly Population in the Rainstorm Hazard Areas of China. International Journal of Environmental Research and Public Health, 2017, 14, 963.	1.2	12
24	Quantitative Multi-Hazard Risk Assessment of Crop Loss in the Yangtze River Delta Region of China. Sustainability, 2019, 11, 922.	1.6	10
25	Quantitative Risk Assessment of Population Affected by Tropical Cyclones Through Joint Consideration of Extreme Precipitation and Strong Windâ€”A Case Study of Hainan Province. Earth's Future, 2021, 9, .	2.4	10
26	A Three-Stage Hierarchical Model for An Earthquake Shelter Location-Allocation Problem: Case Study of Chaoyang District, Beijing, China. Sustainability, 2019, 11, 4561.	1.6	9
27	Hierarchical supplement location-allocation optimization for disaster supply warehouses in the Beijingâ€“Tianjinâ€“Hebei region of China. Geomatics, Natural Hazards and Risk, 2019, 10, 102-117.	2.0	9
28	Analysis of affected population vulnerability to rainstorms and its induced floods at county level: A case study of Zhejiang Province, China. International Journal of Disaster Risk Reduction, 2022, 75, 102976.	1.8	8
29	Typhoon track changeâ€“based emergency shelter locationâ€“allocation model: a case study of Wenchang in Hainan province, China. Injury Prevention, 2020, 26, 196-203.	1.2	5
30	Land use and land cover play weak roles in typhoon economic losses at the county level. Geomatics, Natural Hazards and Risk, 2021, 12, 1287-1297.	2.0	5
31	Accelerated exacerbation of global extreme heatwaves under warming scenarios. International Journal of Climatology, 2022, 42, 5430-5441.	1.5	5
32	A River Channel Extraction Method for Urban Environments Based on Terrain Transition Lines. Water Resources Research, 2018, 54, 4887-4900.	1.7	4
33	A Typhoon Shelter Selection and Evacuee Allocation Model: A Case Study of Macao (SAR), China. Sustainability, 2020, 12, 3308.	1.6	4
34	Webâ€Based Data to Quantify Meteorological and Geographical Effects on Heat Stroke: Case Study in China. GeoHealth, 2022, 6, .	1.9	3
35	Mapping Global Risk of River Flood Mortality. IHDP/Future Earth-integrated Risk Governance Project Series, 2022, , 195-202.	0.2	1