

Rui Zhu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7164442/publications.pdf>

Version: 2024-02-01

41
papers

825
citations

516710

16
h-index

501196

28
g-index

42
all docs

42
docs citations

42
times ranked

616
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding spatio-temporal heterogeneity of bike-sharing and scooter-sharing mobility. <i>Computers, Environment and Urban Systems</i> , 2020, 81, 101483.	7.1	113
2	Estimation of Hong Kong's solar energy potential using GIS and remote sensing technologies. <i>Renewable Energy</i> , 2016, 99, 325-335.	8.9	84
3	A city-scale estimation of rooftop solar photovoltaic potential based on deep learning. <i>Applied Energy</i> , 2021, 298, 117132.	10.1	61
4	The effect of urban morphology on the solar capacity of three-dimensional cities. <i>Renewable Energy</i> , 2020, 153, 1111-1126.	8.9	49
5	Understanding heat patterns produced by vehicular flows in urban areas. <i>Scientific Reports</i> , 2017, 7, 16309.	3.3	42
6	Considering user behavior in free-floating bike sharing system design: A data-informed spatial agent-based model. <i>Sustainable Cities and Society</i> , 2019, 49, 101567.	10.4	41
7	Vectorized rooftop area data for 90 cities in China. <i>Scientific Data</i> , 2022, 9, 66.	5.3	35
8	Quantifying and analyzing traffic emission reductions from ridesharing: A case study of Shanghai. <i>Transportation Research, Part D: Transport and Environment</i> , 2020, 89, 102629.	6.8	33
9	Assessment of solar photovoltaic potentials on urban noise barriers using street-view imagery. <i>Renewable Energy</i> , 2021, 168, 181-194.	8.9	33
10	Bidirectional DEM relief shading method for extraction of gully shoulder line in loess tableland area. <i>Physical Geography</i> , 2018, 39, 368-386.	1.4	24
11	An intelligent method to discover transition rules for cellular automata using bee colony optimisation. <i>International Journal of Geographical Information Science</i> , 2013, 27, 1849-1864.	4.8	23
12	Solar accessibility in developing cities: A case study in Kowloon East, Hong Kong. <i>Sustainable Cities and Society</i> , 2019, 51, 101738.	10.4	23
13	Object-oriented tracking of the dynamic behavior of urban heat islands. <i>International Journal of Geographical Information Science</i> , 2017, 31, 405-424.	4.8	20
14	An economically feasible optimization of photovoltaic provision using real electricity demand: A case study in New York city. <i>Sustainable Cities and Society</i> , 2022, 78, 103614.	10.4	19
15	A Synergetic Orchestration of Objects, Data, and Services to Enable Smart Cities. <i>IEEE Internet of Things Journal</i> , 2019, 6, 10496-10507.	8.7	18
16	Using street view images to identify road noise barriers with ensemble classification model and geospatial analysis. <i>Sustainable Cities and Society</i> , 2022, 78, 103598.	10.4	16
17	Reliability analysis for multiple-stage solid waste management systems. <i>Waste Management</i> , 2021, 120, 650-658.	7.4	15
18	Slope spectrum variation in a simulated loess watershed. <i>Frontiers of Earth Science</i> , 2016, 10, 328-339.	2.1	14

#	ARTICLE	IF	CITATIONS
19	Optimisation of waste clean-up after large-scale disasters. <i>Waste Management</i> , 2021, 119, 1-10.	7.4	14
20	COVID-19 Infection and Mortality: Association with PM2.5 Concentration and Population Density—An Exploratory Study. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 123.	2.9	14
21	Multi-period two-echelon location routing problem for disaster waste clean-up. <i>Transportmetrica A: Transport Science</i> , 2022, 18, 1053-1083.	2.0	14
22	Solar photovoltaic generation for charging shared electric scooters. <i>Applied Energy</i> , 2022, 313, 118728.	10.1	14
23	Association between NO2 concentrations and spatial configuration: a study of the impacts of COVID-19 lockdowns in 54 US cities. <i>Environmental Research Letters</i> , 2021, 16, 054064.	5.2	13
24	Spatiotemporal impact of vehicle heat on urban thermal environment: A case study in Hong Kong. <i>Building and Environment</i> , 2021, 205, 108224.	6.9	11
25	Optimization of photovoltaic provision in a three-dimensional city using real-time electricity demand. <i>Applied Energy</i> , 2022, 316, 119042.	10.1	11
26	Estimation of the Urban Heat Island Effect in a Reformed Urban District: A Scenario-Based Study in Hong Kong. <i>Sustainability</i> , 2022, 14, 4409.	3.2	10
27	Understanding space-time patterns of vehicular emission flows in urban areas using geospatial technique. <i>Computers, Environment and Urban Systems</i> , 2020, 79, 101399.	7.1	9
28	Reopening International Borders without Quarantine: Contact Tracing Integrated Policy against COVID-19. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7494.	2.6	9
29	A Review of Dynamic Tree Behaviors: Measurement Methods on Tree Sway, Tree Tilt, and Root—Plate Movement. <i>Forests</i> , 2021, 12, 379.	2.1	7
30	Deep Roof Refiner: A detail-oriented deep learning network for refined delineation of roof structure lines using satellite imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 107, 102680.	2.8	7
31	Yearly and Daily Relationship Assessment between Air Pollution and Early-Stage COVID-19 Incidence: Evidence from 231 Countries and Regions. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 401.	2.9	6
32	Effects of urban functional fragmentation on nitrogen dioxide (NO2) variation with anthropogenic-emission restriction in China. <i>Scientific Reports</i> , 2021, 11, 11908.	3.3	6
33	Spatiotemporal Prediction of Increasing Winter Perceived Temperature across a Sub-Tropical City for Sustainable Planning and Climate Change Mitigation. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 497.	2.6	5
34	Object-oriented tracking of thematic and spatial behaviors of urban heat islands. <i>Transactions in GIS</i> , 2020, 24, 85-103.	2.3	5
35	Assessing the Country-Level Excess All-Cause Mortality and the Impacts of Air Pollution and Human Activity during the COVID-19 Epidemic. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6883.	2.6	4
36	Development of the Adjusted Wind Chill Equivalent Temperature (AWCET) for cold mortality assessment across a subtropical city: validation and comparison with a spatially-controlled time-stratified approach. <i>BMC Public Health</i> , 2019, 19, 1290.	2.9	1

#	ARTICLE	IF	CITATIONS
37	Association between Global Air Pollution and COVID-19 Mortality: A Study of Forty-Six Cities in the World. <i>Annals of the American Association of Geographers</i> , 2022, 112, 1777-1793.	2.2	1
38	Simplified estimation modeling of land surface solar irradiation: A comparative study in Australia and China. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102323.	2.7	1
39	Assessment of urban building layout based on spatial pattern analysis methods. , 2009, , .		0
40	TRACKING THE SPATIAL EVOLUTION OF URBAN HEAT ISLANDS. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, III-2, 3-8.	0.0	0
41	TRACKING THE SPATIAL EVOLUTION OF URBAN HEAT ISLANDS. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, III-2, 3-8.	0.0	0