

Zhipeng Gui

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

563
citations

687220

13
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752573

20
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62
all docs

62
docs citations

62
times ranked

436
citing authors

#	ARTICLE	IF	CITATIONS
1	Enriching the metadata of map images: a deep learning approach with GIS-based data augmentation. <i>International Journal of Geographical Information Science</i> , 2022, 36, 799-821.	2.2	8
2	Population spatialization with pixel-level attribute grading by considering scale mismatch issue in regression modeling. <i>Geo-Spatial Information Science</i> , 2022, 25, 365-382.	2.4	9
3	Wetter California Projected by CMIP6 Models With Observational Constraints Under a High GHG Emission Scenario. <i>Earth's Future</i> , 2022, 10, .	2.4	11
4	Deducing Flood Development Process Using Social Media: An Event-Based and Multi-Level Modeling Approach. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 306.	1.4	1
5	An Augmented Geospatial Service Web Based on QoS Constraints and Geospatial Service Semantic Relationships. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 357.	1.4	1
6	LSI-LSTM: An attention-aware LSTM for real-time driving destination prediction by considering location semantics and location importance of trajectory points. <i>Neurocomputing</i> , 2021, 440, 72-88.	3.5	25
7	Text GCN-SW-KNN: a novel collaborative training multi-label classification method for WMS application themes by considering geographic semantics. <i>Big Earth Data</i> , 2021, 5, 66-89.	2.0	7
8	A Real-Time Driving Destination Prediction Model Based on Historical Travel Patterns and Current Driving Status. <i>Lecture Notes in Computer Science</i> , 2021, , 29-43.	1.0	0
9	Optimizing and accelerating space-time Ripley's K function based on Apache Spark for distributed spatiotemporal point pattern analysis. <i>Future Generation Computer Systems</i> , 2020, 105, 96-118.	4.9	16
10	MSGC: Multi-scale grid clustering by fusing analytical granularity and visual cognition for detecting hierarchical spatial patterns. <i>Future Generation Computer Systems</i> , 2020, 112, 1038-1056.	4.9	15
11	Geospatial big data for urban planning and urban management. <i>Geo-Spatial Information Science</i> , 2020, 23, 273-274.	2.4	17
12	A hierarchical temporal attention-based LSTM encoder-decoder model for individual mobility prediction. <i>Neurocomputing</i> , 2020, 403, 153-166.	3.5	61
13	Developing Non-Negative Spatial Autoregressive Models for Better Exploring Relation Between Nighttime Light Images and Land Use Types. <i>Remote Sensing</i> , 2020, 12, 798.	1.8	6
14	A Latent Feature-Based Multimodality Fusion Method for Theme Classification on Web Map Service. <i>IEEE Access</i> , 2020, 8, 25299-25309.	2.6	7
15	Geospatial Information Processing Technologies. , 2020, , 191-227.		7
16	High Performance Spatiotemporal Visual Analytics Technologies and Its Applications in Big Socioeconomic Data Analysis. <i>Human Dynamics in Smart Cities</i> , 2020, , 221-255.	0.2	3
17	The Concept and Technologies of Quality of Geographic Information Service: Improving User Experience of GIServices in a Distributed Computing Environment. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 118.	1.4	16
18	A quad-tree-based fast and adaptive Kernel Density Estimation algorithm for heat-map generation. <i>International Journal of Geographical Information Science</i> , 2019, 33, 2455-2476.	2.2	26

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19	Big enterprise registration data imputation: Supporting spatiotemporal analysis of industries in China. Computers, Environment and Urban Systems, 2018, 70, 9-23.	3.3	18
20	A Dynamic Risk Assessment Method of Waterlogging Points by Coupling Hydrology Model with Deep Neural Network. , 2018, , .		2
21	Global-Scale Resource Survey and Performance Monitoring of Public OGC Web Map Services. ISPRS International Journal of Geo-Information, 2016, 5, 88.	1.4	14
22	Developing Subdomain Allocation Algorithms Based on Spatial and Communicational Constraints to Accelerate Dust Storm Simulation. PLoS ONE, 2016, 11, e0152250.	1.1	9
23	An Extension Mechanism to Verify, Constrain and Enhance Geoprocessing Workflows Invocation. Transactions in GIS, 2016, 20, 240-258.	1.0	9
24	Content-Based Discovery for Web Map Service using Support Vector Machine and User Relevance Feedback. PLoS ONE, 2016, 11, e0166098.	1.1	10
25	Using Semantic Search and Knowledge Reasoning to Improve the Discovery of Earth Science Records. , 2016, , 1375-1389.		0
26	Adopting cloud computing to optimize spatial web portals for better performance to support Digital Earth and other global geospatial initiatives. International Journal of Digital Earth, 2015, 8, 451-475.	1.6	18
27	An extensible simulation framework for diagnosing the execution of the distributed geospatial web services. , 2015, , .		0
28	Design and implement of spatial statistical services based on GeoSquare. , 2015, , .		0
29	GeoSquare: collaborative geoprocessing modelsâ€™ building, execution and sharing on Azure Cloud. Annals of GIS, 2015, 21, 287-300.	1.4	16
30	Analyzing campus mobility patterns of college students by using GPS trajectory data and graph-based approach. , 2015, , .		1
31	Design a web portal for visualizing and exploring service quality of global OGC Web Map Services. , 2015, , .		0
32	Contemporary Computing Technologies for Processing Big Spatiotemporal Data. , 2015, , 327-351.		9
33	A Service Brokering and Recommendation Mechanism for Better Selecting Cloud Services. PLoS ONE, 2014, 9, e105297.	1.1	38
34	Extending WSDL for describing complex geodata in GIS service. , 2014, , .		6
35	Optimizing an index with spatiotemporal patterns to support GEOSS Clearinghouse. International Journal of Geographical Information Science, 2014, 28, 1459-1481.	2.2	15
36	FAST: A fully asynchronous and status-tracking pattern for geoprocessing services orchestration. Computers and Geosciences, 2014, 70, 213-228.	2.0	8

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37	Using Semantic Search and Knowledge Reasoning to Improve the Discovery of Earth Science Records. International Journal of Applied Geospatial Research, 2014, 5, 44-58.	0.2	4
38	Utilizing high spatiotemporal resolution soil moisture for dust storm modeling. , 2013, , .		1
39	A performance, semantic and service quality-enhanced distributed search engine for improving geospatial resource discovery. International Journal of Geographical Information Science, 2013, 27, 1109-1132.	2.2	34
40	Evaluating open-source cloud computing solutions for geosciences. Computers and Geosciences, 2013, 59, 41-52.	2.0	42
41	A visualization-enhanced graphical user interface for geospatial resource discovery. Annals of GIS, 2013, 19, 109-121.	1.4	10
42	GeoCloud initiative. , 2013, , 285-298.		0
43	How to choose cloud services: Toward a cloud computing cost model. , 2013, , 117-134.		2
44	How to test the readiness of open-source cloud computing solutions. , 2013, , 265-284.		0
45	Handling intensities of data, computation, concurrent access, and spatiotemporal patterns. , 2013, , 299-318.		1
46	Cloud computing architecture, concepts, and characteristics. , 2013, , 43-56.		1
47	An experimental study of open-source cloud platforms for dust storm forecasting. , 2012, , .		3
48	Geospatial Service Web: towards integrated cyberinfrastructure for GIScience. Geo-Spatial Information Science, 2012, 15, 73-84.	2.4	16
49	Workflow-Oriented the optimal path web services in multi-level road network. , 2009, , .		0
50	The research on QoS assessment and optimization for geospatial service chain. , 2009, , .		1
51	A Data Dependency Relationship Directed Graph and Block Structures Based Abstract Geospatial Information Service Chain Model. , 2008, , .		10
52	Research on visual modeling for geospatial services composition. Proceedings of SPIE, 2008, , .	0.8	5
53	A WEB-BASED PLATFORM FOR VISUALIZING SPATIOTEMPORAL DYNAMICS OF BIG TAXI DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W7, 1407-1412.	0.2	2
54	A GEOSPATIAL WEB SERVICES COMPOSITION FRAMEWORK SUPPORTING REAL-TIME STATUS MONITORING. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, I-4, 175-179.	0.0	7

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55	DIY GEOSPATIAL WEB SERVICE CHAINS: GEOCHAINING MAKE IT EASY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXVIII-4/W25, 28-32.	0.2	4
56	A CLOUD-BASED PLATFORM SUPPORTING GEOSPATIAL COLLABORATION FOR GIS EDUCATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-6/W1, 1-4.	0.2	1
57	DEVELOPING A CLOUD-BASED ONLINE GEOSPATIAL INFORMATION SHARING AND GEOPROCESSING PLATFORM TO FACILITATE COLLABORATIVE EDUCATION AND RESEARCH. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B6, 3-7.	0.2	0
58	A CASE STUDY: EXPLORING INDUSTRIAL AGGLOMERATION OF MANUFACTURING INDUSTRIES IN SHANGHAI USING DURANTON AND OVERMAN'S K-DENSITY FUNCTION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W7, 149-154.	0.2	2
59	ANALYZING THE SPATIOTEMPORAL DISTRIBUTION OF DIFFERENT INDUSTRIES IN WUHAN CITY USING ENTERPRISE REGISTRATION DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W7, 5-10.	0.2	2
60	A WEB-BASED FRAMEWORK FOR VISUALIZING INDUSTRIAL SPATIOTEMPORAL DISTRIBUTION USING STANDARD DEVIATIONAL ELLIPSE AND SHIFTING ROUTES OF GRAVITY CENTERS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W7, 129-135.	0.2	3
61	DEVELOPING APACHE SPARK BASED RIPLEY'S K FUNCTIONS FOR ACCELERATING SPATIOTEMPORAL POINT PATTERN ANALYSIS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B4-2020, 545-552.	0.2	1