

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	A hierarchical temporal attention-based LSTM encoder-decoder model for individual mobility prediction. <i>Neurocomputing</i> , 2020, 403, 153-166.	3.5	61
2	Evaluating open-source cloud computing solutions for geosciences. <i>Computers and Geosciences</i> , 2013, 59, 41-52.	2.0	42
3	A Service Brokering and Recommendation Mechanism for Better Selecting Cloud Services. <i>PLoS ONE</i> , 2014, 9, e105297.	1.1	38
4	A performance, semantic and service quality-enhanced distributed search engine for improving geospatial resource discovery. <i>International Journal of Geographical Information Science</i> , 2013, 27, 1109-1132.	2.2	34
5	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
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	Adopting cloud computing to optimize spatial web portals for better performance to support Digital Earth and other global geospatial initiatives. <i>International Journal of Digital Earth</i> , 2015, 8, 451-475.	1.6	18
8	Big enterprise registration data imputation: Supporting spatiotemporal analysis of industries in China. <i>Computers, Environment and Urban Systems</i> , 2018, 70, 9-23.	3.3	18
9	Geospatial big data for urban planning and urban management. <i>Geo-Spatial Information Science</i> , 2020, 23, 273-274.	2.4	17
10	Geospatial Service Web: towards integrated cyberinfrastructure for GIScience. <i>Geo-Spatial Information Science</i> , 2012, 15, 73-84.	2.4	16
11	GeoSquare: collaborative geoprocessing models™ building, execution and sharing on Azure Cloud. <i>Annals of GIS</i> , 2015, 21, 287-300.	1.4	16
12	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
13	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
14	Optimizing an index with spatiotemporal patterns to support GEOSS Clearinghouse. <i>International Journal of Geographical Information Science</i> , 2014, 28, 1459-1481.	2.2	15
15	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
16	Global-Scale Resource Survey and Performance Monitoring of Public OGC Web Map Services. <i>ISPRS International Journal of Geo-Information</i> , 2016, 5, 88.	1.4	14
17	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
18	A Data Dependency Relationship Directed Graph and Block Structures Based Abstract Geospatial Information Service Chain Model. , 2008, , .		10

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19	A visualization-enhanced graphical user interface for geospatial resource discovery. <i>Annals of GIS</i> , 2013, 19, 109-121.	1.4	10
20	Content-Based Discovery for Web Map Service using Support Vector Machine and User Relevance Feedback. <i>PLoS ONE</i> , 2016, 11, e0166098.	1.1	10
21	Contemporary Computing Technologies for Processing Big Spatiotemporal Data. , 2015, , 327-351.		9
22	Developing Subdomain Allocation Algorithms Based on Spatial and Communicational Constraints to Accelerate Dust Storm Simulation. <i>PLoS ONE</i> , 2016, 11, e0152250.	1.1	9
23	An Extension Mechanism to Verify, Constrain and Enhance Geoprocessing Workflows Invocation. <i>Transactions in GIS</i> , 2016, 20, 240-258.	1.0	9
24	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
25	FAST: A fully asynchronous and status-tracking pattern for geoprocessing services orchestration. <i>Computers and Geosciences</i> , 2014, 70, 213-228.	2.0	8
26	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
27	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
28	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
29	Geospatial Information Processing Technologies. , 2020, , 191-227.		7
30	A GEOSPATIAL WEB SERVICES COMPOSITION FRAMEWORK SUPPORTING REAL-TIME STATUS MONITORING. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, I-4, 175-179.	0.0	7
31	Extending WSDL for describing complex geodata in GIS service. , 2014, , .		6
32	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
33	Research on visual modeling for geospatial services composition. <i>Proceedings of SPIE</i> , 2008, , .	0.8	5
34	Using Semantic Search and Knowledge Reasoning to Improve the Discovery of Earth Science Records. <i>International Journal of Applied Geospatial Research</i> , 2014, 5, 44-58.	0.2	4
35	DIY GEOSPATIAL WEB SERVICE CHAINS: GEOCHAINING MAKE IT EASY. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XXXVIII-4/W25, 28-32.	0.2	4
36	An experimental study of open-source cloud platforms for dust storm forecasting. , 2012, , .		3

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37	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
38	High Performance Spatiotemporal Visual Analytics Technologies and Its Applications in Big Socioeconomic Data Analysis. Human Dynamics in Smart Cities, 2020, , 221-255.	0.2	3
39	A Dynamic Risk Assessment Method of Waterlogging Points by Coupling Hydrology Model with Deep Neural Network. , 2018, ,		2
40	How to choose cloud services: Toward a cloud computing cost model. , 2013, , 117-134.		2
41	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
42	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
43	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
44	The research on QoS assessment and optimization for geospatial service chain. , 2009, ,		1
45	Utilizing high spatiotemporal resolution soil moisture for dust storm modeling. , 2013, ,		1
46	Analyzing campus mobility patterns of college students by using GPS trajectory data and graph-based approach. , 2015, ,		1
47	Handling intensities of data, computation, concurrent access, and spatiotemporal patterns. , 2013, , 299-318.		1
48	Cloud computing architecture, concepts, and characteristics. , 2013, , 43-56.		1
49	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
50	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
51	Deducing Flood Development Process Using Social Media: An Event-Based and Multi-Level Modeling Approach. ISPRS International Journal of Geo-Information, 2022, 11, 306.	1.4	1
52	An Augmented Geospatial Service Web Based on QoS Constraints and Geospatial Service Semantic Relationships. ISPRS International Journal of Geo-Information, 2022, 11, 357.	1.4	1
53	Workflow-Oriented the optimal path web services in multi-level road network. , 2009, ,		0
54	GeoCloud initiative. , 2013, , 285-298.		0

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55	An extensible simulation framework for diagnosing the execution of the distributed geospatial web services. , 2015, , .		0
56	Design and implement of spatial statistical services based on GeoSquare. , 2015, , .		0
57	Design a web portal for visualizing and exploring service quality of global OGC Web Map Services. , 2015, , .		0
58	A Real-Time Driving Destination Prediction Model Based on Historical Travel Patterns and Current Driving Status. Lecture Notes in Computer Science, 2021, , 29-43.	1.0	0
59	How to test the readiness of open-source cloud computing solutions. , 2013, , 265-284.		0
60	Using Semantic Search and Knowledge Reasoning to Improve the Discovery of Earth Science Records. , 2016, , 1375-1389.		0
61	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