

# Songnian Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6340711/publications.pdf>

Version: 2024-02-01

72  
papers

2,109  
citations

331259

21  
h-index

243296

44  
g-index

75  
all docs

75  
docs citations

75  
times ranked

2782  
citing authors

#	ARTICLE	IF	CITATIONS
1	Open access to Earth land-cover map. <i>Nature</i> , 2014, 514, 434-434.	13.7	516
2	Geospatial big data handling theory and methods: A review and research challenges. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 115, 119-133.	4.9	333
3	Road Surface Monitoring Using Smartphone Sensors: A Review. <i>Sensors</i> , 2018, 18, 3845.	2.1	119
4	Information from imagery: ISPRS scientific vision and research agenda. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 115, 3-21.	4.9	75
5	A web-based system for supporting global land cover data production. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 103, 66-80.	4.9	64
6	Forest fire spread simulating model using cellular automaton with extreme learning machine. <i>Ecological Modelling</i> , 2017, 348, 33-43.	1.2	59
7	Review of Web Mapping: Eras, Trends and Directions. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 317.	1.4	56
8	A new burn severity index based on land surface temperature and enhanced vegetation index. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 45, 84-94.	1.4	42
9	The Standardization and Harmonization of Land Cover Classification Systems towards Harmonized Datasets: A Review. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 154.	1.4	42
10	Geospatial Dashboards for Monitoring Smart City Performance. <i>Sustainability</i> , 2019, 11, 5648.	1.6	39
11	GIS Modeling of Solar Neighborhood Potential at a Fine Spatiotemporal Resolution. <i>Buildings</i> , 2014, 4, 195-206.	1.4	38
12	A 3D GIS-based interactive registration mechanism for outdoor augmented reality system. <i>Expert Systems With Applications</i> , 2016, 55, 48-58.	4.4	38
13	Real-time collaborative GIS: A technological review. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 115, 143-152.	4.9	37
14	Land-Use Change Detection with Convolutional Neural Network Methods. <i>Environments - MDPI</i> , 2019, 6, 25.	1.5	37
15	Predicting human mobility with activity changes. <i>International Journal of Geographical Information Science</i> , 2015, 29, 1569-1587.	2.2	34
16	A Hybrid Spatio-Temporal Data Indexing Method for Trajectory Databases. <i>Sensors</i> , 2014, 14, 12990-13005.	2.1	33
17	Sensing and detecting traffic events using geosocial media data: A review. <i>Computers, Environment and Urban Systems</i> , 2018, 72, 146-160.	3.3	33
18	Collaborative validation of GlobeLand30: Methodology and practices. <i>Geo-Spatial Information Science</i> , 2021, 24, 134-144.	2.4	31

#	ARTICLE	IF	CITATIONS
19	Spectral Estimation Model Construction of Heavy Metals in Mining Reclamation Areas. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 640.	1.2	27
20	Extracting faded mural patterns based on the combination of spatial-spectral feature of hyperspectral image. <i>Journal of Cultural Heritage</i> , 2017, 27, 80-87.	1.5	27
21	Understanding human activity patterns based on space-time-semantics. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 121, 1-10.	4.9	26
22	Temporal logic and operation relations based knowledge representation for land cover change web services. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2013, 83, 140-150.	4.9	23
23	A GIS-Based Web Approach for Serving Land Price Information. <i>ISPRS International Journal of Geo-Information</i> , 2015, 4, 2078-2093.	1.4	19
24	Towards an Automatic Ice Navigation Support System in the Arctic Sea. <i>ISPRS International Journal of Geo-Information</i> , 2016, 5, 36.	1.4	19
25	Developing a near real-time road surface anomaly detection approach for road surface monitoring. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 185, 109990.	2.5	19
26	Virtual restoration of stains on ancient paintings with maximum noise fraction transformation based on the hyperspectral imaging. <i>Journal of Cultural Heritage</i> , 2018, 34, 136-144.	1.5	18
27	Short-Term Forecasting of Land Use Change Using Recurrent Neural Network Models. <i>Sustainability</i> , 2019, 11, 5376.	1.6	16
28	A Web GIS for Sea Ice Information and an Ice Service Archive. <i>Transactions in GIS</i> , 2011, 15, 189-211.	1.0	15
29	Geospatial Disaggregation of Population Data in Supporting SDG Assessments: A Case Study from Deqing County, China. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 356.	1.4	15
30	Developing a web-based, collaborative PPGIS prototype to support public participation. <i>Applied Geomatics</i> , 2012, 4, 197-215.	1.2	14
31	Active Collection of Land Cover Sample Data from Geo-Tagged Web Texts. <i>Remote Sensing</i> , 2015, 7, 5805-5827.	1.8	14
32	Disaggregating population data for assessing progress of SDGs: methods and applications. <i>International Journal of Digital Earth</i> , 2022, 15, 2-29.	1.6	13
33	GeoSocial Model: A Conceptual Framework for Real-time Geocollaboration. <i>Transactions in GIS</i> , 2013, 17, 182-205.	1.0	12
34	An analysis of urban expansion and its associated thermal characteristics using Landsat imagery. <i>Geocarto International</i> , 2015, 30, 93-103.	1.7	12
35	A service relation model for web-based land cover change detection. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 132, 20-32.	4.9	12
36	Modeling distributed GIS data production workflow. <i>Computers, Environment and Urban Systems</i> , 2005, 29, 401-424.	3.3	11

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37	Towards GIS-enabled Virtual Public Meeting Space for Public Participation. Photogrammetric Engineering and Remote Sensing, 2007, 73, 641-649.	0.3	11
38	Mapping Burn Severity of Forest Fires in Small Sample Size Scenarios. Forests, 2018, 9, 608.	0.9	11
39	Towards a collaborative global land cover information service. International Journal of Digital Earth, 2017, 10, 356-370.	1.6	10
40	Online monitoring of local taxi travel momentum and congestion effects using projections of taxi GPS-based vector fields. Journal of Geographical Systems, 2018, 20, 253-274.	1.9	9
41	An approach for understanding human activity patterns with the motivations behind. International Journal of Geographical Information Science, 2019, 33, 385-407.	2.2	9
42	Modeling and Processing of Smart Point Clouds of Cultural Relics with Complex Geometries. ISPRS International Journal of Geo-Information, 2021, 10, 617.	1.4	9
43	Road extraction using smart phones GPS. , 2011, , .		8
44	Usability evaluation of collaborative PPGIS-GeoCWMI for supporting public participation during municipal planning and management services. Applied Geomatics, 2015, 7, 139-161.	1.2	8
45	A spatial-temporal semantic approach for detecting local events using geo-social media data. Transactions in GIS, 2020, 24, 142-173.	1.0	8
46	A Method for 3D Reconstruction of the Ming and Qing Official-Style Roof Using a Decorative Components Template Library. ISPRS International Journal of Geo-Information, 2020, 9, 570.	1.4	8
47	UML-based requirement modeling of Web online synchronous collaborative public participatory GIS. Applied Geomatics, 2015, 7, 203-242.	1.2	6
48	Web mapping/GIS services and applications. , 2008, , 335-353.		6
49	Detecting spatiotemporal traffic events using geosocial media data. Computers, Environment and Urban Systems, 2022, 94, 101797.	3.3	6
50	Combining spatiotemporal fusion and object-based image analysis for improving wetland mapping in complex and heterogeneous urban landscapes. Geocarto International, 2019, 34, 1144-1161.	1.7	5
51	Architecture Design and Prototyping of a Web-based, Synchronous Collaborative 3D GIS. Cartography and Geographic Information Science, 2008, 35, 117-132.	1.4	4
52	Pervasive Web Mapping, Geoprocessing and Services. Transactions in GIS, 2011, 15, 125-127.	1.0	4
53	Analytical geospatial Digital Earth. International Journal of Digital Earth, 2014, 7, 253-255.	1.6	4
54	Designing sea ice web APIs for ice information services. Earth Science Informatics, 2015, 8, 483-497.	1.6	4

#	ARTICLE	IF	CITATIONS
55	Supporting future earth with global geospatial information. <i>International Journal of Digital Earth</i> , 2017, 10, 325-327.	1.6	4
56	An Improved Spatiotemporal Fusion Approach Based on Multiple Endmember Spectral Mixture Analysis. <i>Sensors</i> , 2019, 19, 2443.	2.1	4
57	Spatio-Temporal Validation of AIRS CO2 Observations Using GAW, HIPPO and TCCON. <i>Remote Sensing</i> , 2020, 12, 3583.	1.8	4
58	A review of the use of geosocial media data in agent-based models for studying urban systems. <i>Big Earth Data</i> , 2021, 5, 5-23.	2.0	4
59	Similarity Index Based Approach for Identifying Similar Grotto Statues to Support Virtual Restoration. <i>Remote Sensing</i> , 2021, 13, 1201.	1.8	4
60	Collaboration enabled GIS Tools for Emergency Operation Centre. , 2007, , 305-320.		4
61	VRML-Based 3D Collaborative GIS: A Design Perspective. <i>Lecture Notes in Computer Science</i> , 2005, , 232-241.	1.0	3
62	Towards Co-PPGISâ€”a collaborative public participatory GIS-based measure for transparency in housing schemes: a case of Lahore, Pakistan. <i>Applied Geomatics</i> , 2016, 8, 27-40.	1.2	3
63	Analytics of big geosocial media and crowdsourced data. <i>Big Earth Data</i> , 2021, 5, 1-4.	2.0	3
64	Web-Based Collaborative Spatial Decision Support Systems. , 2006, , 285-315.		3
65	Introductory editorial: web-based sensors and geoprocessing services. <i>Applied Geomatics</i> , 2013, 5, 1-2.	1.2	2
66	Reconciling inconsistent perspectives in collaborative GIS using multi-agent method. , 2009, , .		1
67	PRAGMATICS DRIVEN LAND COVER SERVICE COMPOSITION UTILIZING BEHAVIOR-INTENTION MODEL. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B8, 1319-1325.	0.2	1
68	Spatiotemporal Data Model of Sea-Ice Data. , 2010, , .		0
69	An Across-Country Comparison of the Hierarchical Spatial Structures of Cities. <i>Geomatica</i> , 2014, 68, 207-217.	0.5	0
70	Advances in Geospatial Statistical Modelling, Analysis and Data Mining / Les avancÃ©es dans les domaines de la modÃ©lisation, de lâ€™analyse et du forage des donnÃ©es statistiques gÃ©ospatiales. <i>Geomatica</i> , 2015, 69, 267-268.	0.5	0
71	Analytical Geospatial Web Services. <i>Geomatica</i> , 2012, 66, 9-12.	0.5	0
72	A Novel Intelligent Computational Model for Analyzing and Predicting Coal Mine Water Inrush. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 6172-6177.	0.4	0