

Piotr Jankowski

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

2,941
citations

28
h-index

53
g-index

89
ext. papers

3,324
ext. citations

3.1
avg, IF

5.71
L-index

#	Paper	IF	Citations
87	Integrating geographical information systems and multiple criteria decision-making methods. <i>International Journal of Geographical Information Science</i> , 1995 , 9, 251-273	4.1	418
86	A GIS-based extended fuzzy multi-criteria evaluation for landslide susceptibility mapping. <i>Computers and Geosciences</i> , 2014 , 73, 208-221	4.5	195
85	A GIS based spatially-explicit sensitivity and uncertainty analysis approach for multi-criteria decision analysis. <i>Computers and Geosciences</i> , 2014 , 64, 81-95	4.5	160
84	Map-centred exploratory approach to multiple criteria spatial decision making. <i>International Journal of Geographical Information Science</i> , 2001 , 15, 101-127	4.1	159
83	Spatial optimization as a generative technique for sustainable multiobjective land-use allocation. <i>International Journal of Geographical Information Science</i> , 2008 , 22, 601-622	4.1	155
82	Spatial group choice: a SDSS tool for collaborative spatial decisionmaking. <i>International Journal of Geographical Information Science</i> , 1997 , 11, 577-602	4.1	115
81	Integrating a fuzzy k-means classification and a Bayesian approach for spatial prediction of landslide hazard. <i>Journal of Geographical Systems</i> , 2003 , 5, 223-251	1.8	113
80	GIS-Supported Collaborative Decision Making: Results of an Experiment. <i>Annals of the American Association of Geographers</i> , 2001 , 91, 48-70		107
79	Spatially-explicit integrated uncertainty and sensitivity analysis of criteria weights in multicriteria land suitability evaluation. <i>Environmental Modelling and Software</i> , 2014 , 57, 235-247	5.2	78
78	Slope length calculations from a DEM within ARC/INFO grid. <i>Computers, Environment and Urban Systems</i> , 1994 , 18, 365-380	5.9	70
77	An optimized solution of multi-criteria evaluation analysis of landslide susceptibility using fuzzy sets and Kalman filter. <i>Computers and Geosciences</i> , 2010 , 36, 1005-1020	4.5	68
76	Thematic Patterns in Georeferenced Tweets through Space-Time Visual Analytics. <i>Computing in Science and Engineering</i> , 2013 , 15, 72-82	1.5	66
75	Spatial Decision Support Systems: Three decades on. <i>Decision Support Systems</i> , 2019 , 116, 64-76	5.6	62
74	Discovering Landmark Preferences and Movement Patterns from Photo Postings. <i>Transactions in GIS</i> , 2010 , 14, 833-852	2.1	57
73	Agent-Based Models as Laboratories for Spatially Explicit Planning Policies. <i>Environment and Planning B: Planning and Design</i> , 2007 , 34, 316-335		52
72	Collaborative Water Resource Decision Support: Results of a Field Experiment. <i>Annals of the American Association of Geographers</i> , 2006 , 96, 699-725		50
71	Geo-questionnaire: A Method and Tool for Public Preference Elicitation in Land Use Planning. <i>Transactions in GIS</i> , 2016 , 20, 903-924	2.1	47

70	Discerning landslide susceptibility using rough sets. <i>Computers, Environment and Urban Systems</i> , 2008 , 32, 53-65	5.9	45
69	Scalable and privacy-respectful interactive discovery of place semantics from human mobility traces. <i>Information Visualization</i> , 2016 , 15, 117-153	2.4	42
68	Impact of proximity-adjusted preferences on rank-order stability in geographical multicriteria decision analysis. <i>Journal of Geographical Systems</i> , 2012 , 14, 167-187	1.8	39
67	Building Spatial Decision Support Tools for Individuals and Groups. <i>Journal of Decision Systems</i> , 2003 , 12, 193-208	1.2	39
66	Privacy and spatial pattern preservation in masked GPS trajectory data. <i>International Journal of Geographical Information Science</i> , 2016 , 30, 785-800	4.1	38
65	Data-gathering strategies for social-behavioural research about participatory geographical information system use. <i>International Journal of Geographical Information Science</i> , 2002 , 16, 1-22	4.1	38
64	Spatial Prediction of Landslide Hazard Using Fuzzy k-means and Dempster-Shafer Theory. <i>Transactions in GIS</i> , 2005 , 9, 455-474	2.1	37
63	Design Considerations and Evaluation of a Collaborative, Spatio-Temporal Decision Support System. <i>Transactions in GIS</i> , 2006 , 10, 335-354	2.1	36
62	Exploring normative scenarios of land use development decisions with an agent-based simulation laboratory. <i>Computers, Environment and Urban Systems</i> , 2010 , 34, 409-423	5.9	35
61	Choice Modeler: A Web-based Spatial Multiple Criteria Evaluation Tool. <i>Transactions in GIS</i> , 2008 , 12, 541-561	2.1	32
60	Geo-questionnaires in urban planning: recruitment methods, participant engagement, and data quality. <i>Cartography and Geographic Information Science</i> , 2017 , 44, 551-567	2.1	28
59	Spatial obfuscation methods for privacy protection of household-level data. <i>Applied Geography</i> , 2015 , 63, 253-263	4.4	27
58	Emerging trends and research frontiers in spatial multicriteria analysis. <i>International Journal of Geographical Information Science</i> , 2020 , 34, 1257-1282	4.1	24
57	A Knowledge Base for Map Projection Selection. <i>The American Cartographer</i> , 1989 , 16, 29-38		24
56	Evaluating the scalability of public participation in urban land use planning: A comparison of Geoweb methods with face-to-face meetings. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2019 , 46, 511-533	2	24
55	Selected Modern Methods and Tools for Public Participation in Urban Planning [A Review]. <i>Quaestiones Geographicae</i> , 2018 , 37, 127-149	1.2	22
54	GIS for Group Decision Making		22
53	A meta-modeling approach for spatio-temporal uncertainty and sensitivity analysis: an application for a cellular automata-based Urban growth and land-use change model. <i>International Journal of Geographical Information Science</i> , 2018 , 32, 637-662	4.1	21

52	A Framework for Sensitivity Analysis in Spatial Multiple Criteria Evaluation. <i>Lecture Notes in Computer Science</i> , 2008 , 217-233	0.9	17
51	Integrating local multi-criteria evaluation with spatially explicit uncertainty-sensitivity analysis. <i>Spatial Cognition and Computation</i> , 2016 , 16, 106-132	1.3	16
50	Spatial understanding and decision support system: A prototype for public GIS. <i>Transactions in GIS</i> , 1997 , 2, 73-84	2.1	16
49	Probabilistic logic analysis of the highly heterogeneous spatiotemporal HFERS incidence distribution in Heilongjiang province (China) during 2005-2013. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007091	4.8	15
48	An exploratory approach to spatial decision support. <i>Computers, Environment and Urban Systems</i> , 2014 , 45, 101-113	5.9	15
47	Geo-Questionnaire: A Spatially Explicit Method for Eliciting Public Preferences, Behavioural Patterns, and Local Knowledge [An Overview]. <i>Quaestiones Geographicae</i> , 2018 , 37, 177-190	1.2	13
46	Comparative Performance of the LUR, ANN, and BME Techniques in the Multiscale Spatiotemporal Mapping of PM2.5 Concentrations in North China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019 , 12, 1734-1747	4.7	12
45	Who's crossing the border: new data on undocumented immigrants to the United States. <i>Population, Space and Place</i> , 2011 , 17, 1-26	2	12
44	Geodiversity Assessment with Crowdsourced Data and Spatial Multicriteria Analysis. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 716	2.9	11
43	Evaluating user interaction with a web-based group decision support system: A comparison between two clustering methods. <i>Decision Support Systems</i> , 2015 , 77, 148-157	5.6	9
42	Privacy and False Identification Risk in Geomasking Techniques. <i>Geographical Analysis</i> , 2018 , 50, 280-297	2.9	9
41	A Fuzzy k-Means Classification and a Bayesian Approach for Spatial Prediction of Landslide Hazard 2010 , 653-684		9
40	Reshaping the urban hierarchy: patterns of information diffusion on social media. <i>Geo-Spatial Information Science</i> , 2019 , 22, 149-165	3.5	8
39	Design Considerations for MaPKBS-Map Projection Knowledge-Based System. <i>The American Cartographer</i> , 1989 , 16, 85-95		7
38	An Analytic Approach to Understanding Process Dynamics in Geodesign Studies. <i>Sustainability</i> , 2019 , 11, 4999	3.6	6
37	Understanding User Interaction Patterns within Online Systems for Public-Participation Transportation Planning. <i>Transactions in GIS</i> , 2014 , 18, 401-420	2.1	6
36	Applying Internet Geographic Information System for Water Quality Monitoring. <i>Geography Compass</i> , 2007 , 1, 1315-1337	2.4	6
35	Integrating Geographical Information Systems and Multiple Criteria Decision-Making Methods 2006 , 265-296		6

34	Geoweb Methods for Public Participation in Urban Planning: Selected Cases from Poland. <i>Key Challenges in Geography</i> , 2019 , 249-269	0.3	5
33	Analysis of the influence of parameter and scale uncertainties on a local multi-criteria land use evaluation model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 2699-2719	3.5	5
32	Health Care Accessibility Modeling: Effects of Change in Spatial Representation of Demand for Primary Health Care Services. <i>Quaestiones Geographicae</i> , 2014 , 33, 39-53	1.2	5
31	A GPU-based Parallelization Approach to conduct Spatially-Explicit Uncertainty and Sensitivity Analysis in the Application Domain of Landscape Assessment. <i>GI_Forum</i> , 1, 44-58		5
30	What's in a Name? Undergraduate Student Perceptions of Geography, Environment, and Sustainability Key Words and Program Names. <i>Annals of the American Association of Geographers</i> , 2021 , 111, 317-342	2.6	5
29	Utility of Gridded Rainfall for IHACRES Daily River Flow Predictions in Southern California Watersheds ¹ . <i>Journal of the American Water Resources Association</i> , 2008 , 44, 428-435	2.1	4
28	Exploring City Structure from Georeferenced Photos Using Graph Centrality Measures. <i>Lecture Notes in Computer Science</i> , 2011 , 654-657	0.9	4
27	Enriching and improving the quality of linked data with GIS. <i>Open Geosciences</i> , 2016 , 8,	1.3	4
26	Mapping the porosity of international border to pedestrian traffic: a comparative data classification approach to a study of the border region in Austria, Italy, and Slovenia. <i>Cartography and Geographic Information Science</i> , 2013 , 40, 18-27	2.1	3
25	Spatial Decision Making Using Fuzzy GIS 2005 , 275-298		3
24	Using GeoChoice Perspectives in Collaborative Spatial Decision Making. <i>Managing Forest Ecosystems</i> , 2001 , 253-268	0.7	3
23	Integrating nonpoint source pollution modeling with a geographic information system. <i>Computers, Environment and Urban Systems</i> , 1993 , 17, 437-451	5.9	3
22	People, Projects, Organizations, and Products: Designing a Knowledge Graph to Support Multi-Stakeholder Environmental Planning and Design. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 823	2.9	3
21	Development Density-Based Optimization Modeling of Sustainable Land Use Patterns 2006 , 881-896		3
20	A SOCIAL CYBERNETICS APPROACH TO COMMUNITY USE OF SPATIAL DATA FOR RESOURCE PROTECTION: FIELD STUDY ON A NORTH-CENTRAL IDAHO INDIAN RESERVATION. <i>Journal of Environmental Assessment Policy and Management</i> , 2006 , 08, 431-450	1.3	2
19	Geodiversity assessment with global and local spatial multicriteria analysis. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022 , 107, 102665	7.3	2
18	Behavioral decision theory in spatial decisionmaking models41-55		2
17	Visual Analytics Methodology for Scalable and Privacy-Respectful Discovery of Place Semantics from Episodic Mobility Data. <i>Lecture Notes in Computer Science</i> , 2015 , 254-258	0.9	2

16	Please Enter Your Home Location: Geoprivacy Attitudes and Personal Location Masking Strategies of Internet Users. <i>Annals of the American Association of Geographers</i> , 2020 , 110, 586-605	2.6	2
15	Assessing impacts of PPGIS on urban land use planning: evidence from Finland and Poland. <i>European Planning Studies</i> , 1-20	3.2	2
14	Sex-Specific Habitat Suitability Modeling for <i>Panthera tigris</i> in Chitwan National Park, Nepal: Broader Conservation Implications. <i>Sustainability</i> , 2021 , 13, 13885	3.6	2
13	The Role of Location and Cost in Individual Choices of Transportation Improvement Projects. <i>Professional Geographer</i> , 2015 , 67, 527-540	1.7	1
12	Improving Public Participation in Resource Protection: Case Studies in North-Central Idaho. <i>Journal of Environmental Policy and Planning</i> , 2008 , 10, 255-269	3.4	1
11	Geographic Information Systems and Participatory Decision Making 481-493		1
10	An Architecture for the Management of GIS Data Files. <i>Transactions in GIS</i> , 2002 , 6, 259-275	2.1	1
9	Utilization of Emerging Geo-Spatial Technologies in the Implementation of Conjunctive Management of Surface and Ground Water in the Boise River Basin 2001 , 43		1
8	Towards Modeling Support System for Simulation of Water Quality. <i>Journal of Computing in Civil Engineering</i> , 1993 , 7, 354-371	5	1
7	Legal and Organizational Framework for the use of Geoweb Methods for Public Participation in Spatial Planning in Poland: Experiences, Opinions and Challenges. <i>Quaestiones Geographicae</i> , 2018 , 37, 163-175	1.2	1
6	Is less more? Experimenting with visual stacking of coincident maps for spatial global sensitivity analysis in urban land-use change modeling. <i>Environmental Modelling and Software</i> , 2021 , 145, 105181	5.2	1
5	Combining Fuzzy Sets and Databases in Multiple Criteria Spatial Decision Making 2001 , 103-116		0
4	A Framework for Cloud-Based Spatially-Explicit Uncertainty and Sensitivity Analysis in Spatial Multi-Criteria Models. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 244	2.9	0
3	Multicriteria Decision-Making 2017 , 1-13		
2	Graphical modeling system supporting dynamic processing in a raster GIS. <i>Computers, Environment and Urban Systems</i> , 1995 , 19, 391-407	5.9	
1	An empirical test of household identification risk in geomasked maps. <i>Cartography and Geographic Information Science</i> , 2019 , 46, 475-488	2.1	