Philippe De Maeyer

List of Publications by Year
in descending order

242 papers	6,953 citations	66234 42 h-index	88477 70 g-index
254 all docs	254 docs citations	254 times ranked	6803 citing authors

#	Article	IF	Citations
1	Perception and Communication of Flood Risks: A Systematic Review of Empirical Research. Risk Analysis, 2013, 33, 24-49.	1.5	498
2	Application of the topographic position index to heterogeneous landscapes. Geomorphology, 2013, 186, 39-49.	1.1	412
3	An Analysis of the Public Perception of Flood Risk on the Belgian Coast. Risk Analysis, 2011, 31, 1055-1068.	1.5	272
4	Spatial and temporal characteristics of droughts in Central Asia during 1966–2015. Science of the Total Environment, 2018, 624, 1523-1538.	3.9	210
5	Equity of Urban Service Delivery: A Comparison of Different Accessibility Measures. Environment and Planning A, 2010, 42, 1613-1635.	2.1	183
6	Identifying public transport gaps using time-dependent accessibility levels. Journal of Transport Geography, 2015, 48, 176-187.	2.3	173
7	A commuter-based two-step floating catchment area method for measuring spatial accessibility of daycare centers. Health and Place, 2015, 32, 65-73.	1.5	150
8	Space-time characterization of drought events and their impacts on vegetation in Central Asia. Journal of Hydrology, 2018, 564, 1165-1178.	2.3	112
9	Meteorological Drought Analysis in the Lower Mekong Basin Using Satellite-Based Long-Term CHIRPS Product. Sustainability, 2017, 9, 901.	1.6	111
10	Comparing Bias Correction Methods Used in Downscaling Precipitation and Temperature from Regional Climate Models: A Case Study from the Kaidu River Basin in Western China. Water (Switzerland), 2018, 10, 1046.	1.2	111
11	The Informed Society: An Analysis of the Public's Information–Seeking Behavior Regarding Coastal Flood Risks. Risk Analysis, 2012, 32, 1369-1381.	1.5	95
12	Monitoring the long-term desertification process and assessing the relative roles of its drivers in Central Asia. Ecological Indicators, 2019, 104, 195-208.	2.6	90
13	Object-oriented change detection for the city of Harare, Zimbabwe. Expert Systems With Applications, 2009, 36, 571-588.	4.4	86
14	Organic agriculture and sustainable food production system: Main potentials. Agriculture, Ecosystems and Environment, 2011, 144, 92-94.	2.5	86
15	Airborne photogrammetry and lidar for DSM extraction and 3D change detection over an urban area – a comparative study. International Journal of Remote Sensing, 2013, 34, 1087-1110.	1.3	86
16	An analysis of day-to-day variations in individual space–time accessibility. Journal of Transport Geography, 2012, 23, 81-91.	2.3	82
17	A three-dimensional network-based space–time prism. Journal of Geographical Systems, 2008, 10, 89-107.	1.9	81
18	Assessment of CMIP6 in simulating precipitation over arid Central Asia. Atmospheric Research, 2021, 252, 105451.	1.8	81

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19	Coupling the water-energy-food-ecology nexus into a Bayesian network for water resources analysis and management in the Syr Darya River basin. Journal of Hydrology, 2020, 581, 124387.	2.3	76
20	Interpreting maps through the eyes of expert and novice users. International Journal of Geographical Information Science, 2012, 26, 1773-1788.	2.2	75
21	Space–time opportunities for multiple agents: a constraint-based approach. International Journal of Geographical Information Science, 2007, 21, 1061-1076.	2.2	72
22	An automated satellite image classification design using object-oriented segmentation algorithms: A move towards standardization. Expert Systems With Applications, 2007, 32, 616-624.	4.4	69
23	Drought vulnerability assessment: The case of wheat farmers in Western Iran. Global and Planetary Change, 2012, 98-99, 122-130.	1.6	69
24	Determining variable weights for an Optimal Scaled Drought Condition Index (OSDCI): Evaluation in Central Asia. Remote Sensing of Environment, 2019, 231, 111220.	4.6	69
25	My space or your space? Towards a measure of joint accessibility. Computers, Environment and Urban Systems, 2008, 32, 331-342.	3.3	68
26	Study of the attentive behavior of novice and expert map users using eye tracking. Cartography and Geographic Information Science, 2014, 41, 37-54.	1.4	68
27	Identifying climate change impacts on water resources in Xinjiang, China. Science of the Total Environment, 2019, 676, 613-626.	3.9	67
28	Climate change versus land-use change—What affects the ecosystem services more in the forest-steppe ecotone?. Science of the Total Environment, 2021, 759, 143525.	3.9	61
29	Vegetation changes and land surface feedbacks drive shifts in local temperatures over Central Asia. Scientific Reports, 2017, 7, 3287.	1.6	55
30	Monitoring land sensitivity to desertification in Central Asia: Convergence or divergence?. Science of the Total Environment, 2019, 658, 669-683.	3.9	54
31	Response of vegetation phenology to soil moisture dynamics in the Mongolian Plateau. Catena, 2021, 206, 105505.	2.2	53
32	Representing moving objects in computer-based expert systems: the overtake event example. Expert Systems With Applications, 2005, 29, 977-983.	4.4	50
33	Evaluating the Temporal Organization of Public Service Provision Using Space-Time Accessibility Analysis. Urban Geography, 2010, 31, 1039-1064.	1.7	50
34	A GIS-based method to identify spatiotemporal gaps in public service delivery. Applied Geography, 2012, 32, 253-264.	1.7	50
35	Detecting the Causal Effect of Soil Moisture on Precipitation Using Convergent Cross Mapping. Scientific Reports, 2018, 8, 12171.	1.6	50
36	Spatiotemporal variability of the precipitation concentration and diversity in Central Asia. Atmospheric Research, 2020, 241, 104954.	1.8	50

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37	The Spatiotemporal Response of Soil Moisture to Precipitation and Temperature Changes in an Arid Region, China. Remote Sensing, 2018, 10, 468.	1.8	47
38	Assessing land degradation and quantifying its drivers in the Amudarya River delta. Ecological Indicators, 2019, 107, 105595.	2.6	47
39	Integrating Indoor and Outdoor Spaces for Pedestrian Navigation Guidance: A Review. Transactions in GIS, 2016, 20, 491-525.	1.0	46
40	Reconstructing palaeochannel morphology with a mobile multicoil electromagnetic induction sensor. Geomorphology, 2011, 130, 136-141.	1.1	45
41	Measuring the relative topographic position of archaeological sites in the landscape, a case study on the Bronze Age barrows in northwest Belgium. Journal of Archaeological Science, 2011, 38, 3435-3446.	1.2	45
42	Digital Elevation Model generation for historical landscape analysis based on LiDAR data, a case study in Flanders (Belgium). Expert Systems With Applications, 2011, 38, 8178-8185.	4.4	45
43	The use of a multi-method approach to identify the pigments in the 12th century manuscript Liber Floridus. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 80, 125-132.	2.0	44
44	Flood Risk Management in Flanders: Past Developments and Future Challenges. Water Resources Management, 2013, 27, 3585-3606.	1.9	44
45	Human and Natural Impacts on the Water Resources in the Syr Darya River Basin, Central Asia. Sustainability, 2019, 11, 3084.	1.6	44
46	A Qualitative Trajectory Calculus and the Composition of Its Relations. Lecture Notes in Computer Science, 2005, , 60-76.	1.0	44
47	Bitter sweet: How sustainable is bio-ethanol production in Brazil?. Renewable and Sustainable Energy Reviews, 2012, 16, 3599-3603.	8.2	42
48	Defining spatiotemporal characteristics of climate change trends from downscaled GCMs ensembles: how climate change reacts in Xinjiang, China. International Journal of Climatology, 2018, 38, 2538-2553.	1.5	41
49	Spatiotemporal characteristics of future changes in precipitation and temperature in Central Asia. International Journal of Climatology, 2019, 39, 1571-1588.	1.5	41
50	Systematical Evaluation of Satellite Precipitation Estimates Over Central Asia Using an Improved Error–Component Procedure. Journal of Geophysical Research D: Atmospheres, 2017, 122, 10,906.	1.2	40
51	Exploring the Cognitive Load of Expert and Novice Map Users Using EEG and Eye Tracking. ISPRS International Journal of Geo-Information, 2020, 9, 429.	1.4	38
52	Quantifying the response of surface urban heat island to urban greening in global north megacities. Science of the Total Environment, 2021, 801, 149553.	3.9	37
53	Education in cartography: what is the status of young people's map-reading skills?. Cartography and Geographic Information Science, 2016, 43, 134-153.	1.4	36
54	How Hydrologic Processes Differ Spatially in a Large Basin: Multisite and Multiobjective Modeling in the Tarim River Basin. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7098-7113.	1.2	36

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55	Human Interaction Spaces under Uncertainty. Transportation Research Record, 2007, 2021, 28-35.	1.0	33
56	Genetically modified crops and small-scale farmers: main opportunities and challenges. Critical Reviews in Biotechnology, 2016, 36, 1-13.	5.1	33
57	The impact of neighborhood deprivation on patients' unscheduled out-of-hours healthcare seeking behavior: a cross-sectional study. BMC Family Practice, 2013, 14, 136.	2.9	32
58	Combining user logging with eyeÂtracking for interactive and dynamic applications. Behavior Research Methods, 2015, 47, 977-993.	2.3	30
59	Agriculture intensification increases summer precipitation in Tianshan Mountains, China. Atmospheric Research, 2019, 227, 140-146.	1.8	30
60	The reproducibility of SfM algorithms to produce detailed Digital Surface Models: the example of PhotoScan applied to a high-alpine rock glacier. Remote Sensing Letters, 2019, 10, 11-20.	0.6	30
61	Inclusion of Modified Snow Melting and Flood Processes in the SWAT Model. Water (Switzerland), 2018, 10, 1715.	1.2	29
62	A multidisciplinary approach to reconstructing Late Glacial and Early Holocene landscapes. Journal of Archaeological Science, 2013, 40, 1260-1267.	1.2	28
63	Assessing vegetation stability to climate variability in Central Asia. Journal of Environmental Management, 2021, 298, 113330.	3.8	28
64	Investigating the Effectiveness of an Efficient Label Placement Method Using Eye Movement Data. Cartographic Journal, 2012, 49, 234-246.	0.8	27
65	Assessment of Different Modelling Studies on the Spatial Hydrological Processes in an Arid Alpine Catchment. Water Resources Management, 2016, 30, 1757-1770.	1.9	27
66	Impact of GCM structure uncertainty on hydrological processes in an arid area of China. Hydrology Research, 2018, 49, 893-907.	1.1	27
67	A spatio-temporal accessibility measure for modelling activity participation in discretionary activities. Travel Behaviour & Society, 2018, 10, 10-20.	2.4	27
68	The effects of water stress on croplands in the Aral Sea basin. Journal of Cleaner Production, 2020, 254, 120114.	4.6	27
69	Examining commuting patterns using Floating Car Data and circular statistics: Exploring the use of new methods and visualizations to study travel times. Journal of Transport Geography, 2015, 48, 41-51.	2.3	26
70	Listen to the Map User: Cognition, Memory, and Expertise. Cartographic Journal, 2015, 52, 3-19.	0.8	26
71	A novel causal structure-based framework for comparing a basin-wide water–energy–food–ecology nexus applied to the data-limited Amu Darya and Syr Darya river basins. Hydrology and Earth System Sciences, 2021, 25, 901-925.	1.9	26
72	Hunter-gatherer responses to the changing environment of the Moervaart palaeolake (Nw Belgium) during the Late Glacial and Early Holocene. Quaternary International, 2013, 308-309, 162-177.	0.7	25

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73	Reconstructing Phreatic Palaeogroundwater Levels in a Geoarchaeological Context: A Case Study in Flanders, Belgium. Geoarchaeology - an International Journal, 2013, 28, 170-189.	0.7	25
74	Evaluating suitability of the least risk path algorithm to support cognitive wayfinding in indoor spaces: An empirical study. Applied Geography, 2014, 53, 128-140.	1.7	25
75	Multiâ€"Model Ensemble Approaches to Assessment of Effects of Local Climate Change on Water Resources of the Hotan River Basin in Xinjiang, China. Water (Switzerland), 2017, 9, 584.	1.2	25
76	Organic Agriculture and Undernourishment in Developing Countries: Main Potentials and Challenges. Critical Reviews in Food Science and Nutrition, 2013, 53, 917-928.	5.4	24
77	Attribution of changes in the trend and temporal non-uniformity of extreme precipitation events in Central Asia. Scientific Reports, 2021, 11, 15032.	1.6	23
78	Conceptual Neighbourhood Diagrams for Representing Moving Objects. Lecture Notes in Computer Science, 2005, , 228-238.	1.0	23
79	Modeling the effects of drip irrigation under plastic mulch on vapor and energy fluxes in oasis agroecosystems, Xinjiang, China. Agricultural and Forest Meteorology, 2019, 265, 435-442.	1.9	22
80	Improving snow simulation with more realistic vegetation parameters in a regional climate model in the Tianshan Mountains, Central Asia. Journal of Hydrology, 2020, 590, 125525.	2.3	22
81	Absolute Dating (14C and OSL) of the Formation of Coversand Ridges Occupied by Prehistoric Hunter-Gatherers in NW Belgium. Radiocarbon, 2012, 54, 715-726.	0.8	21
82	Analysing the spatial dimension of eye movement data using a visual analytic approach. Expert Systems With Applications, 2012, 39, 1324-1332.	4.4	21
83	Integrating geomatics in archaeological research at the site of Thorikos (Greece). Journal of Archaeological Science, 2014, 45, 112-125.	1.2	21
84	Improved Atmospheric Modelling of the Oasis-Desert System in Central Asia Using WRF with Actual Satellite Products. Remote Sensing, 2017, 9, 1273.	1.8	21
85	Quantifying the Effects of Climate and Vegetation on Soil Moisture in an Arid Area, China. Water (Switzerland), 2019, 11, 767.	1.2	21
86	Satellite-Based Precipitation Datasets Evaluation Using Gauge Observation and Hydrological Modeling in a Typical Arid Land Watershed of Central Asia. Remote Sensing, 2021, 13, 221.	1.8	21
87	The Temporal and Spatial Distributions of the Near-Surface CO_2 Concentrations in Central Asia and Analysis of Their Controlling Factors. Atmosphere, 2017, 8, 85.	1.0	20
88	The Global Spatiotemporal Distribution of the Mid-Tropospheric CO_2 Concentration and Analysis of the Controlling Factors. Remote Sensing, 2019, 11, 94.	1.8	20
89	Spatiotemporal variability of snowfall and its concentration in northern Xinjiang, Northwest China. Theoretical and Applied Climatology, 2020, 139, 1247-1259.	1.3	20
90	The sensitivity of global surface air temperature to vegetation greenness. International Journal of Climatology, 2021, 41, 483-496.	1.5	20

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91	Measuring the exitability of buildings: A new perspective on indoor accessibility. Applied Geography, 2012, 34, 507-518.	1.7	19
92	The continuous spatio-temporal model (CSTM) as an exhaustive framework for multi-scale spatio-temporal analysis. International Journal of Geographical Information Science, 2014, 28, 1047-1060.	2.2	18
93	Using image-based modelling (SfM–MVS) to produce a 1935 ortho-mosaic of the Ethiopian highlands. International Journal of Digital Earth, 2015, 8, 421-430.	1.6	18
94	Recovery of the aerial photographs of Ethiopia in the 1930s. Journal of Cultural Heritage, 2016, 17, 170-178.	1.5	18
95	Identification of conservation priorities in the major basins of Central Asia: Using an integrated GIS-based ordered weighted averaging approach. Journal of Environmental Management, 2021, 298, 113442.	3.8	18
96	Phenology-based seasonal terrestrial vegetation growth response to climate variability with consideration of cumulative effect and biological carryover. Science of the Total Environment, 2022, 817, 152805.	3.9	18
97	Probabilistic assessment of vegetation vulnerability to drought stress in Central Asia. Journal of Environmental Management, 2022, 310, 114504.	3.8	18
98	Impacts of climate change and evapotranspiration on shrinkage of Aral Sea. Science of the Total Environment, 2022, 845, 157203.	3.9	18
99	The triangular model as an instrument for visualising and analysing residuality. Journal of Archaeological Science, 2007, 34, 649-655.	1.2	17
100	Climate Change Impact on the Hydrology of a Typical Watershed in the Tianshan Mountains. Advances in Meteorology, 2015, 2015, 1-10.	0.6	17
101	Contribution of meteorological input in calibrating a distributed hydrologic model in a watershed in the Tianshan Mountains, China. Environmental Earth Sciences, 2015, 74, 2413-2424.	1.3	17
102	Atmospheric nitrogen pollution in urban agglomeration and its impact on alpine lake-case study of Tianchi Lake. Science of the Total Environment, 2019, 688, 312-323.	3.9	17
103	A Review of the Internet of Floods: Near Real-Time Detection of a Flood Event and Its Impact. Water (Switzerland), 2019, 11, 2275.	1.2	17
104	Impacts of Historical Land Use/Cover Change (1980–2015) on Summer Climate in the Aral Sea Region. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD032638.	1.2	17
105	Analyzing the sensitivity of a flood risk assessment model towards its input data. Natural Hazards and Earth System Sciences, 2016, 16, 2529-2542.	1.5	17
106	Assessment of sliver polygons in geographical vector data. International Journal of Geographical Information Science, 2009, 23, 719-735.	2.2	16
107	Coastal flood risks and seasonal tourism: analysing the effects of tourism dynamics on casualty calculations. Natural Hazards, 2012, 60, 1211-1229.	1.6	16
108	Spatio-temporal modeling of soil characteristics for soilscape reconstruction. Geoderma, 2013, 207-208, 166-179.	2.3	16

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109	Local Climate Change and the Impacts on Hydrological Processes in an Arid Alpine Catchment in Karakoram. Water (Switzerland), 2017, 9, 344.	1.2	16
110	EEG & Eye Tracking User Experiments for Spatial Memory Task on Maps. ISPRS International Journal of Geo-Information, 2019, 8, 546.	1.4	16
111	Livelihood alternatives model for sustainable rangeland management: a review of multi-criteria decision-making techniques. Environment, Development and Sustainability, 2019, 21, 11-36.	2.7	16
112	Assessment of Three Long-Term Satellite-Based Precipitation Estimates against Ground Observations for Drought Characterization in Northwestern China. Remote Sensing, 2022, 14, 828.	1.8	16
113	Qualitative relations between moving objects in a network changing its topological relations. Information Sciences, 2008, 178, 1997-2006.	4.0	15
114	Sub-Daily Simulation of Mountain Flood Processes Based on the Modified Soil Water Assessment Tool (SWAT) Model. International Journal of Environmental Research and Public Health, 2019, 16, 3118.	1.2	15
115	Measuring Surface Moisture on a Sandy Beach based on Corrected Intensity Data of a Mobile Terrestrial LiDAR. Remote Sensing, 2020, 12, 209.	1.8	15
116	Combining Indoor and Outdoor Navigation: The Current Approach of Route Planners. Lecture Notes in Geoinformation and Cartography, 2012, , 283-303.	0.5	15
117	Introducing functional classification theory to land use planning by means of decision tables. Decision Support Systems, 2009, 46, 875-881.	3.5	14
118	Interactive analysis of time intervals in a two-dimensional space. Information Visualization, 2012, 11, 255-272.	1.2	14
119	Typography in the Eyes of Bertin, Gender and Expertise Variation. Cartographic Journal, 2012, 49, 176-185.	0.8	14
120	Multi-scale analysis of linear data in a two-dimensional space. Information Visualization, 2014, 13, 248-265.	1.2	14
121	Drawing topological properties from a multi-layered network: The case of an air transport network in â€œthe Belt and Roadâ€•region. Habitat International, 2019, 93, 102044.	2.3	14
122	Development of a lowâ€cost methodology for data acquisition and flood risk assessment in the floodplain of the river Moustiques in Haiti. Journal of Flood Risk Management, 2020, 13, e12608.	1.6	14
123	Evaluation of regional climate models ALARO-0 and REMO2015 at 0.22Â° resolution over the CORDEX Central Asia domain. Geoscientific Model Development, 2021, 14, 1267-1293.	1.3	14
124	Thinking aloud in search of landmark characteristics in an indoor environment. , 2014, , .		13
125	Divergent changes in cropping patterns and their effects on grain production under different agro-ecosystems over high latitudes in China. Science of the Total Environment, 2019, 659, 314-325.	3.9	13
126	An â€œAnimated Spatial Time Machineâ€•in Co-Creation: Reconstructing History Using Gamification Integrated into 3D City Modelling, 4D Web and Transmedia Storytelling. ISPRS International Journal of Geo-Information, 2021, 10, 460.	1.4	13

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127	Digital sketch maps and eye tracking statistics as instruments to obtain insights into spatial cognition. Journal of Eye Movement Research, 2018, 11, .	0.5	13
128	On the use of integrated process models to reconstruct prehistoric occupation, with examples from Sandy Flanders, Belgium. Geoarchaeology - an International Journal, 2010, 25, 784-814.	0.7	12
129	Analysing Imperfect Temporal Information in GIS Using the Triangular Model. Cartographic Journal, 2012, 49, 265-280.	0.8	12
130	A Survey on the Use of GIS and Data Standards in Archaeology. International Journal of Heritage in the Digital Era, 2013, 2, 491-507.	0.5	12
131	An evaluation of section control based on floating car data. Transportation Research Part C: Emerging Technologies, 2015, 58, 617-627.	3.9	12
132	Crowdsourcing a cyclist perspective on suggested recreational paths in real-world networks. Cartography and Geographic Information Science, 2017, 44, 422-435.	1.4	12
133	Time Tracking of Different Cropping Patterns Using Landsat Images under Different Agricultural Systems during 1990â€"2050 in Cold China. Remote Sensing, 2018, 10, 2011.	1.8	12
134	Accurate Simulation of Ice and Snow Runoff for the Mountainous Terrain of the Kunlun Mountains, China. Remote Sensing, 2020, 12, 179.	1.8	12
135	Monitoring and Predicting Drought Based on Multiple Indicators in an Arid Area, China. Remote Sensing, 2020, 12, 2298.	1.8	12
136	Assessment of Climate Change in Central Asia from 1980 to 2100 Using the KÃ¶ppen-Geiger Climate Classification. Atmosphere, 2021, 12, 123.	1.0	12
137	Comparing Paper and Digital Topographic Maps Using Eye Tracking. Lecture Notes in Geoinformation and Cartography, 2015, , 339-356.	0.5	12
138	Computation and visualisation of the accuracy of old maps using differential distortion analysis. International Journal of Geographical Information Science, 2016, 30, 1255-1280.	2.2	11
139	The relationship between transport disadvantage and employability: Predicting long-term unemployment based on job seekersâ€™ access to suitable job openings in Flanders, Belgium. Transportation Research, Part A: Policy and Practice, 2019, 125, 268-279.	2.0	11
140	Variation of Snow Mass in a Regional Climate Model Downscaling Simulation Covering the Tianshan Mountains, Central Asia. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034183.	1.2	11
141	A large-scale shift of cropland structure profoundly affects grain production in the cold region of China. Journal of Cleaner Production, 2021, 307, 127300.	4.6	11
142	Spatial Distribution of Soil Moisture in Mongolia Using SMAP and MODIS Satellite Data: A Time Series Model (2010â€"2025). Remote Sensing, 2021, 13, 347.	1.8	11
143	Examining the validity of the total dwell time of eye fixations to identify landmarks in a building. Journal of Eye Movement Research, 2016, 9, .	0.5	11
144	Future changes of drought characteristics in Coupled Model Intercomparison Project phase 6 Shared Socioeconomic Pathway scenarios over Central Asia. International Journal of Climatology, 2022, 42, 3888-3908.	1.5	11

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145	Ferraris, the Legend. Cartographic Journal, 2012, 49, 30-42.	0.8	10
146	Classification of airborne laser scanning point clouds based on binomial logistic regression analysis. International Journal of Remote Sensing, 2014, 35, 3219-3236.	1.3	10
147	Comparing indoor and outdoor network models for automatically calculating turns. Journal of Location Based Services, 2014, 8, 148-165.	1.4	10
148	Numerical Simulations of the Impacts of Mountain on Oasis Effects in Arid Central Asia. Atmosphere, 2017, 8, 212.	1.0	10
149	Identifying what constitutes complexity perception of decision points during indoor route guidance. International Journal of Geographical Information Science, 2021, 35, 1232-1250.	2.2	10
150	Monitoring spatiotemporal variation in beach surface moisture using a long-range terrestrial laser scanner. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 173, 195-208.	4.9	10
151	Inferring additional knowledge from QTCN relations. Information Sciences, 2011, 181, 1573-1590.	4.0	9
152	Route choice and residential environment: introducing liveability requirements in navigation systems in Flanders. Journal of Transport Geography, 2014, 37, 19-27.	2.3	9
153	Quantitative Detection and Attribution of Groundwater Level Variations in the Amu Darya Delta. Water (Switzerland), 2020, 12, 2869.	1.2	9
154	Numerical Study of the Interaction between Oasis and Urban Areas within an Arid Mountains-Desert System in Xinjiang, China. Atmosphere, 2020, 11, 85.	1.0	9
155	Numerical study on the climatic effect of the Aral Sea. Atmospheric Research, 2022, 268, 105977.	1.8	9
156	Background and foreground interaction: Influence of complementary colors on the search task. Color Research and Application, 2015, 40, 437-445.	0.8	8
157	Spatiotemporal data as the foundation of an archaeological stratigraphy extraction and management system. Journal of Cultural Heritage, 2016, 19, 522-530.	1.5	8
158	Uncertainties in Classification System Conversion and an Analysis of Inconsistencies in Global Land Cover Products. ISPRS International Journal of Geo-Information, 2017, 6, 112.	1.4	8
159	Flood Risk Mapping Worldwide: A Flexible Methodology and Toolbox. Water (Switzerland), 2019, 11, 2371.	1.2	8
160	Impact of agricultural land conversion on climate change. Environment, Development and Sustainability, 2021, 23, 3187-3198.	2.7	8
161	A Global Meta-Analysis of Soil Salinity Prediction Integrating Satellite Remote Sensing, Soil Sampling, and Machine Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	8
162	A GIS for Flood Risk Management in Flanders. , 2009, , 51-69.		8

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163	Digital Representation of Historical Globes: Methods to Make 3D and Pseudo-3D Models of Sixteenth Century Mercator Globes. Cartographic Journal, 2012, 49, 107-117.	0.8	7
164	Representing time intervals in a two-dimensional space: An empirical study. Journal of Visual Languages and Computing, 2014, 25, 466-480.	1.8	7
165	Response of Hydrological Processes to Input Data in High Alpine Catchment: An Assessment of the Yarkant River basin in China. Water (Switzerland), 2016, 8, 181.	1.2	7
166	Information flows as bases for archeology-specific geodata infrastructures: An exploratory study in flanders. Journal of the Association for Information Science and Technology, 2016, 67, 1928-1942.	1.5	7
167	Proportional coefficient method applied to TRMM rainfall data: case study of hydrological simulations of the Hotan River Basin (China). Journal of Water and Climate Change, 2017, 8, 627-640.	1.2	7
168	The dominant role of climate change in determining changes in evapotranspiration in Xinjiang, China from 2001 to 2012. PLoS ONE, 2017, 12, e0183071.	1.1	7
169	A Study of the Local Geometric Accuracy of Count de Ferraris's <i>Carte de cabinet</i> (1770s) Using Differential Distortion Analysis. Cartographic Journal, 2018, 55, 16-35.	0.8	7
170	Integrating Spatial and Temporal Approaches for Explaining Bicycle Crashes in High-Risk Areas in Antwerp (Belgium). Sustainability, 2019, 11, 3746.	1.6	7
171	Evaluating Young People's Area Estimation of Countries and Continents. ISPRS International Journal of Geo-Information, 2019, 8, 125.	1.4	7
172	A Gamification-Based Approach on Indoor Wayfinding Research. ISPRS International Journal of Geo-Information, 2020, 9, 423.	1.4	7
173	Bridging Archaeology and GIS: Influencing Factors for a 4D Archaeological GIS. Lecture Notes in Computer Science, 2014, , 186-195.	1.0	7
174	User Preferences on Route Instruction Types for Mobile Indoor Route Guidance. ISPRS International Journal of Geo-Information, 2019, 8, 482.	1.4	7
175	Snowfall climatology in the Tianshan Mountains based on 36 cold seasons of WRF dynamical downscaling simulation. Atmospheric Research, 2022, 270, 106057.	1.8	7
176	Spatial and temporal fluctuations in individual accessibility: a comparative analysis among subgroups of the population. Geografisk Tidsskrift, 2014, 114, 119-131.	0.4	6
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