Urska Demsar

List of Publications by Year
in descending order

55 papers	2,260 citations	430442 18 h-index	223531 46 g-index
55 all docs	55 docs citations	55 times ranked	2920 citing authors

#	Article	IF	Citations
1	Space, time and visual analytics. International Journal of Geographical Information Science, 2010, 24, 1577-1600.	2.2	342
2	Principal Component Analysis on Spatial Data: An Overview. Annals of the American Association of Geographers, 2013, 103, 106-128.	3.0	308
3	Crowdsourcing indicators for cultural ecosystem services: A geographically weighted approach for mountain landscapes. Ecological Indicators, 2016, 64, 237-248.	2.6	199
4	Analysis of human mobility patterns from GPS trajectories and contextual information. International Journal of Geographical Information Science, 2016, 30, 881-906.	2.2	187
5	Space–time density of trajectories: exploring spatio-temporal patterns in movement data. International Journal of Geographical Information Science, 2010, 24, 1527-1542.	2.2	181
6	Optimizing the use of biologgers for movement ecology research. Journal of Animal Ecology, 2020, 89, 186-206.	1.3	178
7	Analysis and visualisation of movement: an interdisciplinary review. Movement Ecology, 2015, 3, 5.	1.3	118
8	Identifying Critical Locations in a Spatial Network with Graph Theory. Transactions in GIS, 2008, 12, 61-82.	1.0	96
9	Geospatial big data and cartography: research challenges and opportunities for making maps that matter. International Journal of Cartography, 2017, 3, 32-60.	0.2	95
10	Activity seascapes highlight central place foraging strategies in marine predators that never stop swimming. Movement Ecology, 2018, 6, 9.	1.3	58
11	Weather effects on human mobility: a study using multi-channel sequence analysis. Computers, Environment and Urban Systems, 2018, 71, 131-152.	3.3	34
12	Classifying pedestrian movement behaviour from GPS trajectories using visualization and clustering. Annals of GIS, 2014, 20, 85-98.	1.4	33
13	The effect of air-pollution and weather exposure on mortality and hospital admission and implications for further research: A systematic scoping review. PLoS ONE, 2020, 15, e0241415.	1.1	32
14	INVESTIGATING MATERIAL DECAY OF HISTORIC BUILDINGS USING VISUAL ANALYTICS WITH MULTI-TEMPORAL INFRARED THERMOGRAPHIC DATA. Archaeometry, 2010, 52, 482-501.	0.6	29
15	Stacked space-time densities: a geovisualisation approach to explore dynamics of space use over time. GeoInformatica, 2015, 19, 85-115.	2.0	29
16	Space matters: Geographic variability of electoral turnout determinants in the 2012 London mayoral election. Electoral Studies, 2015, 40, 322-334.	1.0	25
17	Exploring the spatio-temporal dynamics of geographical processes with geographically weighted regression and geovisual analytics. Information Visualization, 2008, 7, 181-197.	1.2	22
18	Establishing the integrated science of movement: bringing together concepts and methods from animal and human movement analysis. International Journal of Geographical Information Science, 2021, 35, 1273-1308.	2.2	22

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19	Quantifying Marine Sedimentary Carbon: A New Spatial Analysis Approach Using Seafloor Acoustics, Imagery, and Ground-Truthing Data in Scotland. Frontiers in Marine Science, 2020, 7, .	1.2	19
20	A systematic review of methods for studying the impacts of outdoor recreation on terrestrial wildlife. Global Ecology and Conservation, 2020, 22, e00917.	1.0	19
21	Investigating visual exploration of geospatial data: An exploratory usability experiment for visual data mining. Computers, Environment and Urban Systems, 2007, 31, 551-571.	3.3	18
22	Using Geographically Weighted Choice Models to Account for the Spatial Heterogeneity of Preferences. Journal of Agricultural Economics, 2018, 69, 606-626.	1.6	17
23	A spatial fuzzy influence diagram for modelling spatial objects' dependencies: a case study on tree-related electric outages. International Journal of Geographical Information Science, 2018, 32, 349-366.	2.2	16
24	Combining Geovisual Analytics with Spatial Statistics: the Example of Geographically Weighted Regression. Cartographic Journal, 2008, 45, 182-192.	0.8	15
25	Quantifying gaze and mouse interactions on spatial visual interfaces with a new movement analytics methodology. PLoS ONE, 2017, 12, e0181818.	1.1	15
26	Who Counts? Gender, Gatekeeping, and Quantitative Human Geography. Professional Geographer, 2021, 73, 48-61.	1.0	15
27	Using geovisual analytics to compare the performance of geographically weighted discriminant analysis versus its global counterpart, linear discriminant analysis. International Journal of Geographical Information Science, 2013, 27, 633-661.	2.2	13
28	Knowledge Discovery in the Environmental Sciences: Visual and Automatic Data Mining for Radon Problems in Groundwater. Transactions in GIS, 2007, 11, 255-281.	1.0	11
29	Improving seabed classification from Multi-Beam Echo Sounder (MBES) backscatter data with visual data mining. Journal of Coastal Conservation, 2013, 17, 559-577.	0.7	11
30	Potential path volume (PPV): a geometric estimator for space use in 3D. Movement Ecology, 2019, 7, 14.	1.3	10
31	Does Long-Term Air Pollution Exposure Affect Self-Reported Health and Limiting Long Term Illness Disproportionately for Ethnic Minorities in the UK? A Census-Based Individual Level Analysis. Applied Spatial Analysis and Policy, 2022, 15, 1557-1582.	1.0	10
32	Context-aware movement analysis in ecology: a systematic review. International Journal of Geographical Information Science, 2022, 36, 405-427.	2.2	9
33	Fusion of wildlife tracking and satellite geomagnetic data for the study of animal migration. Movement Ecology, 2021, 9, 31.	1.3	8
34	Air pollution and individuals' mental well-being in the adult population in United Kingdom: A spatial-temporal longitudinal study and the moderating effect of ethnicity. PLoS ONE, 2022, 17, e0264394.	1.1	8
35	Multi-source data fusion of optical satellite imagery to characterize habitat selection from wildlife tracking data. Ecological Informatics, 2020, 60, 101149.	2.3	7
36	Simulation experiment to test strategies of geomagnetic navigation during long-distance bird migration. Movement Ecology, 2021, 9, 46.	1.3	7

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37	Red deer exhibit spatial and temporal responses to hiking activity. Wildlife Biology, 2021, 2021, .	0.6	7
38	Revisiting the Past: Replicating Fifty-Year-Old Flow Analysis Using Contemporary Taxi Flow Data. Annals of the American Association of Geographers, 2018, 108, 811-828.	1.5	6
39	Combining Formal and Exploratory Methods for Evaluation of an Exploratory Geovisualization Application in a Low-Cost Usability Experiment. Cartography and Geographic Information Science, 2007, 34, 29-45.	1.4	5
40	Visualising Movement: The Seagull. Significance, 2013, 10, 40-42.	0.3	4
41	Designing Geovisual Analytics Environments and Displays with Humans in Mind. ISPRS International Journal of Geo-Information, 2019, 8, 572.	1.4	4
42	Time-Geography in Four Dimensions: Potential Path Volumes around 3D Trajectories. International Conference on GIScience Short Paper Proceedings, 0, 1, .	0.0	3
43	A spatially aware method for mapping movement€based and place€based regions from spatial flow networks. Transactions in GIS, 2021, 25, 2104-2124.	1.0	3
44	Visual Comparison of Moving-Window Kriging Models. Cartographica, 2011, 46, 211-226.	0.2	2
45	Introduction to the special section on Visual Movement Analytics. Information Visualization, 2019, 18, 133-137.	1.2	2
46	Red deer behavioural response to hiking activity: A study using camera traps. Journal of Zoology, 0, , .	0.8	2
47	Simulating geomagnetic bird navigation using novel high-resolution geomagnetic data. Ecological Informatics, 2022, 69, 101689.	2.3	2
48	Using eigen decomposition and sequence-based representation to extract movement patterns from contextualized tracking data. AGILE: GIScience Series, 0, 2, 1-8.	0.0	1
49	Interpreting Pedestrian Behaviour by Visualising and Clustering Movement Data. Lecture Notes in Computer Science, 2013, , 64-81.	1.0	1
50	Integrated science of movement. Journal of Spatial Information Science, 2020, , .	1.1	1
51	Spatial and temporal variations in interspecific interaction: impact of a recreational landscape. European Journal of Wildlife Research, 2022, 68, .	0.7	1
52	Title is missing!. , 2020, 15, e0241415.		0
53	Title is missing!. , 2020, 15, e0241415.		0
54	Title is missing!. , 2020, 15, e0241415.		0

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55	Title is missing!. , 2020, 15, e0241415.		0