Diansheng Guo

List of Publications by Year
in descending order

45	2,754	218592	254106
papers	citations	26	43
		h-index	g-index

45	45	45	2378
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	A novel big data approach to measure and visualize urban accessibility. Computational Urban Science, 2021, 1, 1.	1.9	4
2	Connecting family trees to construct a population-scale and longitudinal geo-social network for the U.S.. International Journal of Geographical Information Science, 2020, , 1-44.	2.2	8
3	Density-based multi-scale flow mapping and generalization. Computers, Environment and Urban Systems, 2019, 77, 101359.	3.3	11
4	Mapping Lexical Dialect Variation in British English Using Twitter. Frontiers in Artificial Intelligence, 2019, 2, 11.	2.0	27
5	Detecting spatial community structure in movements. International Journal of Geographical Information Science, 2018, 32, 1326-1347.	2.2	28
6	An Areaâ€Based Approach for Estimating Extreme Precipitation Probability. Geographical Analysis, 2018, 50, 314-333.	1.9	3
7	A novel approach to leveraging social media for rapid flood mapping: a case study of the 2015 South Carolina floods. Cartography and Geographic Information Science, 2018, 45, 97-110.	1.4	148
8	Mapping Lexical Innovation on American Social Media. Journal of English Linguistics, 2018, 46, 293-319.	0.3	46
9	Analysis of big patient mobility data for identifying medical regions, spatio-temporal characteristics and care demands of patients on the move. International Journal of Health Geographics, 2018, 17, 32.	1.2	17
10	Analyzing lexical emergence in Modern American English online. English Language and Linguistics, 2017, 21, 99-127.	0.3	65
11	The application of growth curve modeling for the analysis of diachronic corpora. Language Dynamics and Change, 2017, 7, 102-125.	0.4	11
12	Design and evaluation of line symbolizations for originâ€"destination flow maps. Information Visualization, 2017, 16, 309-331.	1.2	26
13	Urban event detection with big data of taxi OD trips: A time series decomposition approach. Transactions in GIS, 2017, 21, 560-574.	1.0	20
14	Assessment of <scp>NARCCAP</scp> model in simulating rainfall extremes using a spatially constrained regionalization method. International Journal of Climatology, 2016, 36, 2368-2378.	1.5	9
15	Quantifying Animal Trajectories Using Spatial Aggregation and Sequence Analysis: A Case Study of Differentiating Trajectories of Multiple Species. Geographical Analysis, 2016, 48, 275-291.	1.9	12
16	Understanding U.S. regional linguistic variation with Twitter data analysis. Computers, Environment and Urban Systems, 2016, 59, 244-255.	3.3	105
17	A Generalized Radiation Model for Human Mobility: Spatial Scale, Searching Direction and Trip Constraint. PLoS ONE, 2015, 10, e0143500.	1.1	53
18	Origin-Destination Flow Data Smoothing and Mapping. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 2043-2052.	2.9	102

#	ARTICLE	IF	CITATIONS
19	Mapping Large Spatial Flow Data with Hierarchical Clustering. Transactions in GIS, 2014, 18, 421-435.	1.0	95
20	Detecting Non-personal and Spam Users on Geo-tagged Twitter Network. Transactions in GIS, 2014, 18, 370-384.	1.0	44
21	Influence of DEM orientation on the error of slope calculation. Earth Science Informatics, 2014, 7, 277-285.	1.6	3
22	Mapping family connectedness across space and time. Cartography and Geographic Information Science, 2014, 41, 14-26.	1.4	13
23	Smoothing locational measures in spatial interaction networks. Computers, Environment and Urban Systems, 2013, 41, 12-25.	3.3	17
24	Identifying functionally connected habitat compartments with a novel regionalization technique. Landscape Ecology, 2013, 28, 1949-1959.	1.9	16
25	Early Detection of Terrorism Outbreaks Using Prospective Space–Time Scan Statistics. Professional Geographer, 2013, 65, 676-691.	1.0	33
26	Constructing geographic areas for cancer data analysis: A case study on late-stage breast cancer risk in Illinois. Applied Geography, 2012, 35, 1-11.	1.7	70
27	Regionalization of forest pattern metrics for the continental United States using contiguity constrained clustering and partitioning. Ecological Informatics, 2012, 9, 11-18.	2.3	43
28	Discovering Spatial Patterns in Origin–Destination Mobility Data. Transactions in GIS, 2012, 16, 411-429.	1.0	126
29	Automatic Region Building for Spatial Analysis. Transactions in GIS, 2011, 15, 29-45.	1.0	75
30	iRedistrict: Geovisual analytics for redistricting optimization. Journal of Visual Languages and Computing, 2011, 22, 279-289.	1.8	14
31	Local entropy map: a nonparametric approach to detecting spatially varying multivariate relationships. International Journal of Geographical Information Science, 2010, 24, 1367-1389.	2.2	42
32	A graph-based approach to vehicle trajectory analysis. Journal of Location Based Services, 2010, 4, 183-199.	1.4	72
33	Spatial data mining and geographic knowledge discovery—An introduction. Computers, Environment and Urban Systems, 2009, 33, 403-408.	3.3	227
34	Greedy Optimization for Contiguity-Constrained Hierarchical Clustering. , 2009, , .		10
35	Understanding Climate Change Patterns with Multivariate Geovisualization. , 2009, , .		9
36	Flow Mapping and Multivariate Visualization of Large Spatial Interaction Data. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 1041-1048.	2.9	179

#	Article	IF	Citations
37	A Clustering‐Based Approach to the Capacitated Facility Location Problem[1]. Transactions in GIS, 2008, 12, 323-339.	1.0	50
38	Regionalization with dynamically constrained agglomerative clustering and partitioning (REDCAP). International Journal of Geographical Information Science, 2008, 22, 801-823.	2.2	247
39	Visualizing Patterns in a Global Terrorism Incident Database. Environment and Planning B: Planning and Design, 2007, 34, 767-784.	1.7	22
40	Visual analytics of spatial interaction patterns for pandemic decision support. International Journal of Geographical Information Science, 2007, 21, 859-877.	2.2	119
41	A Visualization System for Space-Time and Multivariate Patterns (VIS-STAMP). IEEE Transactions on Visualization and Computer Graphics, 2006, 12, 1461-1474.	2.9	243
42	Spatial ordering and encoding for geographic data mining and visualization. Journal of Intelligent Information Systems, 2006, 27, 243-266.	2.8	28
43	Multivariate Analysis and Geovisualization with an Integrated Geographic Knowledge Discovery Approach. Cartography and Geographic Information Science, 2005, 32, 113-132.	1.4	124
44	ICEAGE: Interactive Clustering and Exploration of Large and High-Dimensional Geodata. GeoInformatica, 2003, 7, 229-253.	2.0	56
45	Coordinating Computational and Visual Approaches for Interactive Feature Selection and Multivariate Clustering. Information Visualization, 2003, 2, 232-246.	1.2	82