Guillaume Touya

List of Publications by Year
in descending order

42	1,096	623734	434195
papers	citations	14 h-index	31 g-index

46	46	46	848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neural map style transfer exploration with GANs. International Journal of Cartography, 2022, 8, 18-36.	0.4	7
2	Experiencing virtual geographic environment in urban 3D participatory e-planning: A user perspective. Landscape and Urban Planning, 2022, 224, 104432.	7.5	7
3	Constraint-Based Evaluation of Map Images Generalized by Deep Learning. Journal of Geovisualization and Spatial Analysis, 2022, 6, 1.	4.3	22
4	OSMWatchman: Learning How to Detect Vandalized Contributions in OSM Using a Random Forest Classifier. ISPRS International Journal of Geo-Information, 2020, 9, 504.	2.9	7
5	Exploring the Potential of Deep Learning Segmentation for Mountain Roads Generalisation. ISPRS International Journal of Geo-Information, 2020, 9, 338.	2.9	38
6	A Change of Theme: The Role of Generalization in Thematic Mapping. ISPRS International Journal of Geo-Information, 2020, 9, 371.	2.9	8
7	Designing multi-scale maps: lessons learned from existing practices. International Journal of Cartography, 2020, 6, 121-151.	0.4	13
8	Deep Learning for Enrichment of Vector Spatial Databases. ACM Transactions on Spatial Algorithms and Systems, 2020, 6, 1-21.	1.4	17
9	GÃ©nÃ©ration de cartes tactiles photorÃ©alistes pour personnes dÃ©ficientes visuelles par apprentissage profond. Revue Internationale De GÃ©omatique, 2020, 30, 105-126.	0.1	0
10	Is deep learning the new agent for map generalization?. International Journal of Cartography, 2019, 5, 142-157.	0.4	42
11	Analysis of collaboration networks in OpenStreetMap through weighted social multigraph mining. International Journal of Geographical Information Science, 2019, 33, 1651-1682.	4.8	10
12	Automatic derivation of on-demand tactile maps for visually impaired people: first experiments and research agenda. International Journal of Cartography, 2019, 5, 67-91.	0.4	18
13	Le vandalisme dans lâ€™information gÃ©ographique volontaireDÃ©tection de lâ€™IG volontaire vandalisÃ©e. Revue Internationale De GÃ©omatique, 2019, 29, 31-56.	0.1	0
14	Building Social Networks in Volunteered Geographic Information Communities: What Contributor Behaviours Reveal About Crowdsourced Data Quality. Lecture Notes in Geoinformation and Cartography, 2018, , 125-131.	1.0	1
15	The Scale of VGI in Map Production: A Perspective on European National Mapping Agencies. Transactions in GIS, 2017, 21, 74-90.	2.3	46
16	DIOGEN, a multi-level oriented model for cartographic generalization. International Journal of Cartography, 2017, 3, 121-133.	0.4	6
17	Continuously Generalizing Buildings to Built-up Areas by Aggregating and Growing. , 2017, , .		3
18	Assessing Crowdsourced POI Quality: Combining Methods Based on Reference Data, History, and Spatial Relations. ISPRS International Journal of Geo-Information, 2017, 6, 80.	2.9	38

#	Article	IF	Citations
19	Experiments to Distribute and Parallelize Map Generalization Processes. Cartographic Journal, 2017, 54, 322-332.	1.5	9
20	Level of Details Harmonization Operations in OpenStreetMap Based Large Scale Maps. Geotechnologies and the Environment, 2017, , 3-25.	0.3	0
21	Clutter and Map Legibility in Automated Cartography: A Research Agenda. Cartographica, 2016, 51, 198-207.	0.4	18
22	Inferring the Scale of OpenStreetMap Features. Lecture Notes in Geoinformation and Cartography, 2015, , 81-99.	1.0	11
23	Modelling Geographic Relationships in Automated Environments. Lecture Notes in Geoinformation and Cartography, 2014, , 53-82.	1.0	7
24	Process Modelling, Web Services and Geoprocessing. Lecture Notes in Geoinformation and Cartography, 2014, , 197-225.	1.0	4
25	Multi-agent Multi-level Cartographic Generalisation in CartAGen. Lecture Notes in Computer Science, 2014, , 355-358.	1.3	2
26	Detecting Level-of-Detail Inconsistencies in Volunteered Geographic Information Data Sets. Cartographica, 2013, 48, 134-143.	0.4	45
27	ScaleMaster 2.0: a ScaleMaster extension to monitor automatic multi-scales generalizations. Cartography and Geographic Information Science, 2013, 40, 192-200.	3.0	14
28	Conflation Optimized by Least Squares to Maintain Geographic Shapes. ISPRS International Journal of Geo-Information, 2013, 2, 621-644.	2.9	22
29	Social Welfare to Assess the Global Legibility of a Generalized Map. Lecture Notes in Computer Science, 2012, , 198-211.	1.3	10
30	CollaGen: Collaboration between automatic cartographic Generalisation Processes. Lecture Notes in Geoinformation and Cartography, 2011, , 541-558.	1.0	12
31	Quality Assessment of the French OpenStreetMap Dataset. Transactions in GIS, 2010, 14, 435-459.	2.3	476
32	A Road Network Selection Process Based on Data Enrichment and Structure Detection. Transactions in GIS, 2010, 14, 595-614.	2.3	70
33	Collaborative Generalisation: Formalisation of Generalisation Knowledge to Orchestrate Different Cartographic Generalisation Processes. Lecture Notes in Computer Science, 2010, , 264-278.	1.3	17
34	GÃ©nÃ©ralisation et intÃ©gration pour un fond vert commun entre l'IFN et l'IGN. Revue Internationale De GÃ©omatique, 2010, 20, 65-86.	0.1	3
35	Enrichissement automatique de donnÃ©es par analyse spatiale pour la gÃ©nÃ©ralisation de rÃ©seaux. Revue Internationale De GÃ©omatique, 2010, 20, 175-199.	0.1	2
36	Methodology for evaluating automated map generalization in commercial software. Computers, Environment and Urban Systems, 2009, 33, 311-324.	7.1	68

#	Article	IF	Citations
37	Multi-Criteria Geographic Analysis for Automated Cartographic Generalization. Cartographic Journal, 0, , 1-17.	1.5	4
38	CartAGen: an Open Source Research Platform for Map Generalization. Proceedings of the ICA, 0, 2, 1-9.	0.0	5
39	COMPARING IMAGE-BASED METHODS FOR ASSESSING VISUAL CLUTTER IN GENERALIZED MAPS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-3/W5, 227-233.	0.0	6
40	Geographically masking addresses to study COVID-19 clusters. Cartography and Geographic Information Science, 0, , 1-15.	3.0	2
41	ReBankment: displacing embankment lines from roads and rivers with a least squares adjustment. International Journal of Cartography, 0, , 1-17.	0.4	2
42	How do users interact with Virtual Geographic Environments? Usersâ€™ behavior evaluation in urban participatory planning. Proceedings of the ICA, 0, 4, 1-8.	0.0	2