

Guillaume Touya

List of Publications by Year in descending order

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42
papers

1,096
citations

623734

14
h-index

434195

31
g-index

46
all docs

46
docs citations

46
times ranked

848
citing authors

#	ARTICLE	IF	CITATIONS
1	Quality Assessment of the French OpenStreetMap Dataset. Transactions in GIS, 2010, 14, 435-459.	2.3	476
2	A Road Network Selection Process Based on Data Enrichment and Structure Detection. Transactions in GIS, 2010, 14, 595-614.	2.3	70
3	Methodology for evaluating automated map generalization in commercial software. Computers, Environment and Urban Systems, 2009, 33, 311-324.	7.1	68
4	The Scale of VGI in Map Production: A Perspective on European National Mapping Agencies. Transactions in GIS, 2017, 21, 74-90.	2.3	46
5	Detecting Level-of-Detail Inconsistencies in Volunteered Geographic Information Data Sets. Cartographica, 2013, 48, 134-143.	0.4	45
6	Is deep learning the new agent for map generalization?. International Journal of Cartography, 2019, 5, 142-157.	0.4	42
7	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
8	Exploring the Potential of Deep Learning Segmentation for Mountain Roads Generalisation. ISPRS International Journal of Geo-Information, 2020, 9, 338.	2.9	38
9	Conflation Optimized by Least Squares to Maintain Geographic Shapes. ISPRS International Journal of Geo-Information, 2013, 2, 621-644.	2.9	22
10	Constraint-Based Evaluation of Map Images Generalized by Deep Learning. Journal of Geovisualization and Spatial Analysis, 2022, 6, 1.	4.3	22
11	Clutter and Map Legibility in Automated Cartography: A Research Agenda. Cartographica, 2016, 51, 198-207.	0.4	18
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	Collaborative Generalisation: Formalisation of Generalisation Knowledge to Orchestrate Different Cartographic Generalisation Processes. Lecture Notes in Computer Science, 2010, , 264-278.	1.3	17
14	Deep Learning for Enrichment of Vector Spatial Databases. ACM Transactions on Spatial Algorithms and Systems, 2020, 6, 1-21.	1.4	17
15	ScaleMaster 2.0: a ScaleMaster extension to monitor automatic multi-scales generalizations. Cartography and Geographic Information Science, 2013, 40, 192-200.	3.0	14
16	Designing multi-scale maps: lessons learned from existing practices. International Journal of Cartography, 2020, 6, 121-151.	0.4	13
17	CollaGen: Collaboration between automatic cartographic Generalisation Processes. Lecture Notes in Geoinformation and Cartography, 2011, , 541-558.	1.0	12
18	Inferring the Scale of OpenStreetMap Features. Lecture Notes in Geoinformation and Cartography, 2015, , 81-99.	1.0	11

#	ARTICLE	IF	CITATIONS
19	Analysis of collaboration networks in OpenStreetMap through weighted social multigraph mining. <i>International Journal of Geographical Information Science</i> , 2019, 33, 1651-1682.	4.8	10
20	Social Welfare to Assess the Global Legibility of a Generalized Map. <i>Lecture Notes in Computer Science</i> , 2012, , 198-211.	1.3	10
21	Experiments to Distribute and Parallelize Map Generalization Processes. <i>Cartographic Journal</i> , 2017, 54, 322-332.	1.5	9
22	A Change of Theme: The Role of Generalization in Thematic Mapping. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 371.	2.9	8
23	OSMWatchman: Learning How to Detect Vandalized Contributions in OSM Using a Random Forest Classifier. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 504.	2.9	7
24	Modelling Geographic Relationships in Automated Environments. <i>Lecture Notes in Geoinformation and Cartography</i> , 2014, , 53-82.	1.0	7
25	Neural map style transfer exploration with GANs. <i>International Journal of Cartography</i> , 2022, 8, 18-36.	0.4	7
26	Experiencing virtual geographic environment in urban 3D participatory e-planning: A user perspective. <i>Landscape and Urban Planning</i> , 2022, 224, 104432.	7.5	7
27	DIOGEN, a multi-level oriented model for cartographic generalization. <i>International Journal of Cartography</i> , 2017, 3, 121-133.	0.4	6
28	COMPARING IMAGE-BASED METHODS FOR ASSESSING VISUAL CLUTTER IN GENERALIZED MAPS. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, II-3/W5, 227-233.	0.0	6
29	CartAGen: an Open Source Research Platform for Map Generalization. <i>Proceedings of the ICA</i> , 0, 2, 1-9.	0.0	5
30	Multi-Criteria Geographic Analysis for Automated Cartographic Generalization. <i>Cartographic Journal</i> , 0, , 1-17.	1.5	4
31	Process Modelling, Web Services and Geoprocessing. <i>Lecture Notes in Geoinformation and Cartography</i> , 2014, , 197-225.	1.0	4
32	Continuously Generalizing Buildings to Built-up Areas by Aggregating and Growing. , 2017, , .		3
33	G�n�ralisation et int�gration pour un fond vert commun entre l'IFN et l'IGN. <i>Revue Internationale De G�omatique</i> , 2010, 20, 65-86.	0.1	3
34	Multi-agent Multi-level Cartographic Generalisation in CartAGen. <i>Lecture Notes in Computer Science</i> , 2014, , 355-358.	1.3	2
35	Geographically masking addresses to study COVID-19 clusters. <i>Cartography and Geographic Information Science</i> , 0, , 1-15.	3.0	2
36	ReBankment: displacing embankment lines from roads and rivers with a least squares adjustment. <i>International Journal of Cartography</i> , 0, , 1-17.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Enrichissement automatique de données par analyse spatiale pour la généralisation de réseaux. Revue Internationale De Géomatique, 2010, 20, 175-199.	0.1	2
38	How do users interact with Virtual Geographic Environments? Users' behavior evaluation in urban participatory planning. Proceedings of the ICA, 0, 4, 1-8.	0.0	2
39	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
40	Level of Details Harmonization Operations in OpenStreetMap Based Large Scale Maps. Geotechnologies and the Environment, 2017, , 3-25.	0.3	0
41	Le vandalisme dans l'information géographique volontaire : Détection de l'IG volontaire vandalisée. Revue Internationale De Géomatique, 2019, 29, 31-56.	0.1	0
42	Génération de cartes tactiles photogrammétriques pour personnes déficientes visuelles par apprentissage profond. Revue Internationale De Géomatique, 2020, 30, 105-126.	0.1	0