

# Jan-Henrik Haunert

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1439955/publications.pdf>

Version: 2024-02-01

56  
papers

583  
citations

759233

12  
h-index

752698

20  
g-index

58  
all docs

58  
docs citations

58  
times ranked

395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualizing the Off-Screen Evolution of Trajectories. KN - Journal of Cartography and Geographic Information, 2022, 72, 201-212.	2.4	1
2	My home is my secret: concealing sensitive locations by context-aware trajectory truncation. International Journal of Geographical Information Science, 2022, 36, 2496-2524.	4.8	3
3	Zoomless Maps: External Labeling Methods for the Interactive Exploration of Dense Point Sets at a Fixed Map Scale. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 1247-1256.	4.4	8
4	Aggregating land-use polygons considering line features as separating map elements. Cartography and Geographic Information Science, 2021, 48, 124-139.	3.0	2
5	Finding Optimal Sequences for Area Aggregation $\hat{A}^{\dagger}$ vs. Integer Linear Programming. ACM Transactions on Spatial Algorithms and Systems, 2021, 7, 1-40.	1.4	1
6	ClusterSets: Optimizing Planar Clusters in Categorical Point Data. Computer Graphics Forum, 2021, 40, 471-481.	3.0	3
7	Optimal scan planning with enforced network connectivity for the acquisition of three-dimensional indoor models. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 180, 103-116.	11.1	16
8	Point feature label placement for multi-page maps on small-screen devices. Computers and Graphics, 2021, 100, 66-80.	2.5	6
9	Reconstructing the time-variable sea surface from tide gauge records using optimal data-dependent triangulations. Computers and Geosciences, 2021, 157, 104920.	4.2	0
10	Balanced Independent and Dominating Sets on Colored Interval Graphs. Lecture Notes in Computer Science, 2021, , 89-103.	1.3	0
11	Combinatorial optimization applied to VLBI scheduling. Journal of Geodesy, 2020, 94, 1.	3.6	4
12	Analyzing the Supply and Detecting Spatial Patterns of Urban Green Spaces via Optimization. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2019, 87, 137-158.	1.1	2
13	Focus+context map labeling with optimized clutter reduction. International Journal of Cartography, 2019, 5, 158-177.	0.4	8
14	Räumliche Analyse durch kombinatorische Optimierung. Springer Reference Naturwissenschaften, 2019, , 185-223.	0.2	0
15	An Algorithmic Framework for Labeling Network Maps. Algorithmica, 2018, 80, 1493-1533.	1.3	6
16	Extracting spatial patterns in bicycle routes from crowdsourced data. Transactions in GIS, 2017, 21, 1321-1340.	2.3	20
17	Beyond Maximum Independent Set: An Extended Integer Programming Formulation for Point Labeling. ISPRS International Journal of Geo-Information, 2017, 6, 342.	2.9	15
18	Inferring the Parametric Weight of a Bicriteria Routing Model from Trajectories. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Using the A <sup>*</sup> Algorithm to Find Optimal Sequences for Area Aggregation. Lecture Notes in Geoinformation and Cartography, 2017, , 389-404.	1.0	3
20	A cutting-plane method for contiguity-constrained spatial aggregation. Journal of Spatial Information Science, 2017, , .	1.2	6
21	Location-dependent generalization of road networks based on equivalent destinations. Computer Graphics Forum, 2016, 35, 451-460.	3.0	3
22	Continuous Generalization of Administrative Boundaries Based on Compatible Triangulations. Lecture Notes in Geoinformation and Cartography, 2016, , 399-415.	1.0	5
23	Partitioning Polygons via Graph Augmentation. Lecture Notes in Computer Science, 2016, , 18-33.	1.3	5
24	Räumliche Analyse durch kombinatorische Optimierung. , 2016, , 1-39.		1
25	Multiscale Boundary-Labeling Algorithms for Panorama Images. ACM Transactions on Spatial Algorithms and Systems, 2015, 1, 1-30.	1.4	6
26	Labeling Streets Along a Route in Interactive 3D Maps Using Billboards. Lecture Notes in Geoinformation and Cartography, 2015, , 269-287.	1.0	5
27	Räumliche Analyse durch kombinatorische Optimierung. , 2015, , 1-39.		0
28	Interactive focus maps using least-squares optimization. International Journal of Geographical Information Science, 2014, 28, 2052-2075.	4.8	20
29	Labeling circular focus regions based on a tractable case of maximum weight independent set of rectangles. , 2014, , .		6
30	Labeling streets in interactive maps using embedded labels. , 2014, , .		6
31	How to eat a graph. , 2014, , .		14
32	Map Schematization with Circular Arcs. Lecture Notes in Computer Science, 2014, , 1-17.	1.3	7
33	Integrating and Generalising Volunteered Geographic Information. Lecture Notes in Geoinformation and Cartography, 2014, , 119-155.	1.0	21
34	Point Labeling with Sliding Labels in Interactive Maps. Lecture Notes in Geoinformation and Cartography, 2014, , 295-310.	1.0	8
35	Selecting the Aspect Ratio of a Scatter Plot Based on Its Delaunay Triangulation. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2326-2335.	4.4	26
36	Accentuating focus maps via partial schematization. , 2013, , .		8

#	ARTICLE	IF	CITATIONS
37	Road segment selection with strokes and stability. , 2013, , .		2
38	A Probabilistic Model for Road Selection in Mobile Maps. Lecture Notes in Computer Science, 2013, , 214-222.	1.3	3
39	Drawing Graphs with Vertices at Specified Positions and Crossings at Large Angles. Lecture Notes in Computer Science, 2012, , 186-197.	1.3	4
40	An algorithm for map matching given incomplete road data. , 2012, , .		20
41	Algorithms for Labeling Focus Regions. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 2583-2592.	4.4	37
42	A symmetry detector for map generalization and urban-space analysis. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 74, 66-77.	11.1	11
43	Drawing Graphs with Vertices at Specified Positions and Crossings at Large Angles. Lecture Notes in Computer Science, 2012, , 441-442.	1.3	4
44	Drawing Road Networks with Focus Regions. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 2555-2562.	4.4	50
45	Boundary-labeling algorithms for panorama images. , 2011, , .		9
46	Detecting Symmetries in Building Footprints by String Matching. Lecture Notes in Geoinformation and Cartography, 2011, , 319-336.	1.0	2
47	Optimal and topologically safe simplification of building footprints. , 2010, , .		13
48	Area aggregation in map generalisation by mixed-integer programming. International Journal of Geographical Information Science, 2010, 24, 1871-1897.	4.8	41
49	Deriving scale-transition matrices from map samples for simulated annealing-based aggregation. Annals of GIS, 2009, 15, 107-116.	3.1	1
50	Constrained set-up of the tGAP structure for progressive vector data transfer. Computers and Geosciences, 2009, 35, 2191-2203.	4.2	21
51	Vehicle localization by matching triangulated point patterns. , 2009, , .		1
52	Area Collapse and Road Centerlines based on Straight Skeletons. GeoInformatica, 2008, 12, 169-191.	2.7	84
53	Quality Assessment for Polygon Generalization. , 2008, , 211-220.		1
54	Generalization of land cover maps by mixed integer programming. , 2006, , .		10

#	ARTICLE	IF	CITATIONS
55	Multimodal travel-time maps with formally correct and schematic isochrones. Transactions in GIS, 0, , .	2.3	4
56	STOCHASTIC AND GEOMETRIC REASONING FOR INDOOR BUILDING MODELS WITH ELECTRIC INSTALLATIONS â€“ BRIDGING THE GAP BETWEEN GIS AND BIM. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-4/W5, 33-39.	0.0	2