

Hanan Samet

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

4,419
citations

186209

28
h-index

214721

47
g-index

73
all docs

73
docs citations

73
times ranked

1797
citing authors

#	ARTICLE	IF	CITATIONS
1	The Quadtree and Related Hierarchical Data Structures. ACM Computing Surveys, 1984, 16, 187-260.	16.1	1,697
2	Ranking in spatial databases. Lecture Notes in Computer Science, 1995, , 83-95.	1.0	188
3	Connected Component Labeling Using Quadtrees. Journal of the ACM, 1981, 28, 487-501.	1.8	169
4	Neighbor finding techniques for images represented by quadtrees. Computer Graphics and Image Processing, 1982, 18, 37-57.	0.9	167
5	Region representation. Communications of the ACM, 1980, 23, 163-170.	3.3	150
6	Using a distributed quadtree index in peer-to-peer networks. VLDB Journal, 2007, 16, 165-178.	2.7	132
7	Region representation. Communications of the ACM, 1980, 23, 171-179.	3.3	124
8	K-Nearest Neighbor Finding Using MaxNearestDist. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 243-252.	9.7	107
9	An Algorithm for Converting Rasters to Quadtrees. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1981, PAMI-3, 93-95.	9.7	98
10	Computing Geometric Properties of Images Represented by Linear Quadtrees. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1985, PAMI-7, 229-240.	9.7	95
11	Region representation: Quadtrees from binary arrays. Computer Graphics and Image Processing, 1980, 13, 88-93.	0.9	90
12	Geotagging with local lexicons to build indexes for textually-specified spatial data. , 2010, , .		90
13	Optimal quadtree construction algorithms. Computer Vision, Graphics, and Image Processing, 1987, 37, 402-419.	1.1	84
14	An Overview of Quadtrees, Octrees, and Related Hierarchical Data Structures. , 1988, , 51-68.		72
15	Schema extraction for tabular data on the web. Proceedings of the VLDB Endowment, 2013, 6, 421-432.	2.1	69
16	Data structures for quadtree approximation and compression. Communications of the ACM, 1985, 28, 973-993.	3.3	68
17	Speeding up construction of PMR quadtree-based spatial indexes. VLDB Journal, 2002, 11, 109-137.	2.7	68
18	Distance Transform for Images Represented by Quadtrees. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1982, PAMI-4, 298-303.	9.7	58

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19	Bintrees, CSG trees, and time. <i>Computer Graphics</i> , 1985, 19, 121-130.	0.1	57
20	QUILT: a geographic information system based on quadtrees. <i>International Journal of Geographical Information Science</i> , 1990, 4, 103-131.	2.2	56
21	Neighbor finding in images represented by octrees. <i>Computer Vision, Graphics, and Image Processing</i> , 1989, 46, 367-386.	1.1	55
22	Distance Oracles for Spatial Networks. <i>Proceedings - International Conference on Data Engineering</i> , 2009, , .	0.0	53
23	Query Processing Using Distance Oracles for Spatial Networks. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2010, 22, 1158-1175.	4.0	53
24	A quadtree medial axis transform. <i>Communications of the ACM</i> , 1983, 26, 680-693.	3.3	50
25	Implementing ray tracing with octrees and neighbor finding. <i>Computers and Graphics</i> , 1989, 13, 445-460.	1.4	49
26	Habit2vec: Trajectory Semantic Embedding for Living Pattern Recognition in Population. <i>IEEE Transactions on Mobile Computing</i> , 2020, 19, 1096-1108.	3.9	48
27	Computing Perimeters of Regions in Images Represented by Quadtrees. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1981, PAMI-3, 683-687.	9.7	46
28	Efficient octree conversion by connectivity labeling. <i>Computer Graphics</i> , 1984, 18, 43-51.	0.1	43
29	A Top-Down Quadtree Traversal Algorithm. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1985, PAMI-7, 94-98.	9.7	43
30	On Encoding Boundaries with Quadtrees. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1984, PAMI-6, 365-369.	9.7	33
31	MAGELLAN: Map Acquisition of GEographic Labels by Legend ANalysis. <i>International Journal on Document Analysis and Recognition</i> , 1998, 1, 89-101.	2.7	24
32	Shape approximation using quadtrees. <i>Pattern Recognition</i> , 1982, 15, 31-40.	5.1	23
33	Algorithms for the conversion of quadtrees to rasters. <i>Computer Vision, Graphics, and Image Processing</i> , 1984, 26, 1-16.	1.1	22
34	Client-Based Spatial Browsing on the World Wide Web. <i>IEEE Internet Computing</i> , 2007, 11, 52-59.	3.2	19
35	Memory-efficient algorithms for spatial network queries. , 2013, , .		17
36	Reconstruction of quadtrees from quadtree medial axis transforms. <i>Computer Vision, Graphics, and Image Processing</i> , 1985, 29, 311-328.	1.1	16

#	ARTICLE	IF	CITATIONS
37	Set operations for unaligned linear quadtrees. Computer Vision, Graphics, and Image Processing, 1990, 50, 29-49.	1.1	14
38	Bibliography on quadtrees and related hierarchical data structures. , 1986, , 181-201.		13
39	Quadtree region representation in cartography: Experimental results. IEEE Transactions on Systems, Man, and Cybernetics, 1983, SMC-13, 1148-1154.	0.9	10
40	Measuring Spatial Influence of Twitter Users by Interactions. , 2017, , .		10
41	Finding and Tracking Local Twitter Users for News Detection. , 2017, , .		10
42	HealthWalks. , 2020, 4, 1-26.		10
43	Building and Querying a P2P Virtual World. Geoinformatica, 2006, 10, 91-116.	2.0	9
44	Using Quadtrees to Represent Spatial Data. , 1985, , 229-247.		9
45	Data-Parallel R-Tree Algorithms. , 1993, , .		8
46	Augmenting spatio-textual search with an infectious disease ontology. , 2008, , .		8
47	DICLERGE. , 2015, , .		8
48	Artificial Intelligence Programming Languages for Computer Aided Manufacturing. IEEE Transactions on Systems, Man, and Cybernetics, 1979, 9, 205-226.	0.9	7
49	A fast quadtree normalization algorithm. Pattern Recognition Letters, 1994, 15, 57-63.	2.6	5
50	Vertex representations and their applications in computer graphics. Visual Computer, 1998, 14, 240-256.	2.5	5
51	Indexing Methods for Similarity Searching. , 2007, , .		5
52	Learning Embeddings of Spatial, Textual and Temporal Entities in Geotagged Tweets. , 2019, , .		5
53	Enhancing local live tweet stream to detect news. Geoinformatica, 2020, 24, 411-441.	2.0	5
54	Handling Multiple Instances of Symbols in Pictorial Queries by Image Similarity. Series on Software Engineering and Knowledge Engineering, 1998, , 77-85.	0.1	5

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55	Linear-time border-tracing algorithms for quadtrees. <i>Algorithmica</i> , 1992, 8, 39-54.	1.0	4
56	Integrating symbolic images into a multimedia database system using classification and abstraction approaches. <i>VLDB Journal</i> , 1998, 7, 253-274.	2.7	4
57	Enhancing Local Live Tweet Stream to Detect News. , 2018, , .		4
58	Visualizing SpatioTemporal Keyword Trends in Online News Articles. , 2020, , .		4
59	Extending the SAND Spatial Database System for the Visualization of Three-Dimensional Scientific Data. <i>Geographical Analysis</i> , 2006, 38, 87-101.	1.9	3
60	Using linear quadtrees to store vector data. , 1986, , 91-123.		3
61	DeLLe. , 2019, , .		3
62	Indexing Point Triples Via Triangle Geometry. , 2007, , .		2
63	Sorting in Space: Multidimensional, spatial, and metric data structures for applications in spatial databases, geographic information systems (GIS), and location-based services. , 2013, , .		2
64	Sorting in Space and Words. , 2018, , .		2
65	Sorting Spatial Data by Spatial Occupancy. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009, , 31-43.	0.1	2
66	Hierarchical Data Structures for Spatial Reasoning. , 1990, , 41-58.		2
67	A normal form for compiler testing. <i>ACM SIGPLAN Notices</i> , 1977, 12, 155-162.	0.2	1
68	A Coroutine Approach to Parsing. <i>ACM Transactions on Programming Languages and Systems</i> , 1980, 2, 290-306.	1.7	1
69	Location Specification and Representation in Multimedia Databases. , 2015, , .		1
70	A normal form for compiler testing. <i>ACM SIGART Bulletin</i> , 1977, , 155-162.	0.5	0
71	Object Representations. , 2001, , 181-217.		0
72	Indexing Methods for Similarity Searching. , 2007, , .		0