

Agma JM Traina

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

882
citations

516215

16
h-index

500791

28
g-index

52
all docs

52
docs citations

52
times ranked

684
citing authors

#	ARTICLE	IF	CITATIONS
1	Slim-Trees: High Performance Metric Trees Minimizing Overlap between Nodes. Lecture Notes in Computer Science, 2000, , 51-65.	1.0	128
2	Fast indexing and visualization of metric data sets using slim-trees. IEEE Transactions on Knowledge and Data Engineering, 2002, 14, 244-260.	4.0	121
3	Improving the ranking quality of medical image retrieval using a genetic feature selection method. Decision Support Systems, 2011, 51, 810-820.	3.5	88
4	The Omni-family of all-purpose access methods: a simple and effective way to make similarity search more efficient. VLDB Journal, 2007, 16, 483-505.	2.7	72
5	Segmenting skin ulcers and measuring the wound area using deep convolutional networks. Computer Methods and Programs in Biomedicine, 2020, 191, 105376.	2.6	37
6	A fast and effective method to find correlations among attributes in databases. Data Mining and Knowledge Discovery, 2007, 14, 367-407.	2.4	34
7	A superpixel-driven deep learning approach for the analysis of dermatological wounds. Computer Methods and Programs in Biomedicine, 2020, 183, 105079.	2.6	27
8	SemIndex+: A semantic indexing scheme for structured, unstructured, and partly structured data. Knowledge-Based Systems, 2019, 164, 378-403.	4.0	26
9	Smart histogram analysis applied to the skull-stripping problem in T1-weighted MRI. Computers in Biology and Medicine, 2012, 42, 509-522.	3.9	25
10	Efficient Content-Based Image Retrieval through Metric Histograms. World Wide Web, 2003, 6, 157-185.	2.7	24
11	Accelerating k-medoid-based algorithms through metric access methods. Journal of Systems and Software, 2008, 81, 343-355.	3.3	24
12	Slicing the metric space to provide quick indexing of complex data in the main memory. Information Systems, 2011, 36, 79-98.	2.4	23
13	A New Time Series Mining Approach Applied to Multitemporal Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 140-150.	2.7	23
14	Analysis of NDVI time series using cross-correlation and forecasting methods for monitoring sugarcane fields in Brazil. International Journal of Remote Sensing, 2012, 33, 4653-4672.	1.3	20
15	Large Graph Analysis in the GMine System. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 106-118.	4.0	18
16	Halite: Fast and Scalable Multiresolution Local-Correlation Clustering. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 387-401.	4.0	17
17	Open issues for partitioning clustering methods: an overview. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2014, 4, 161-177.	4.6	14
18	PRoSPer: Perceptual similarity queries in medical CBIR systems through user profiles. Computers in Biology and Medicine, 2014, 45, 8-19.	3.9	13

#	ARTICLE	IF	CITATIONS
19	A New Family of Distance Functions for Perceptual Similarity Retrieval of Medical Images. Journal of Digital Imaging, 2009, 22, 183-201.	1.6	12
20	Vertebral Body Segmentation of Spine MR Images Using Superpixels. , 2015, , .		12
21	Approximate XML structure validation based on documentâ€™ grammar tree similarity. Information Sciences, 2015, 295, 258-302.	4.0	11
22	Measuring Evolving Data Streamsâ€™ Behavior through Their Intrinsic Dimension. New Generation Computing, 2006, 25, 33-60.	2.5	10
23	The NOBH-tree: Improving in-memory metric access methods by using metric hyperplanes with non-overlapping nodes. Data and Knowledge Engineering, 2014, 94, 65-88.	2.1	10
24	The UTrack framework for segmenting and measuring dermatological ulcers through telemedicine. Computers in Biology and Medicine, 2021, 134, 104489.	3.9	9
25	Querying on large and complex databases by content: Challenges on variety and veracity regarding real applications. Information Systems, 2019, 86, 10-27.	2.4	8
26	Tracing the Emotional Roadmap of Depressive Users on Social Media Through Sequential Pattern Mining. IEEE Access, 2021, 9, 97621-97635.	2.6	8
27	Efficient Execution of Conjunctive Complex Queries on Big Multimedia Databases. , 2013, , .		7
28	Modeling and Assessing the Temporal Behavior of Emotional and Depressive User Interactions on Social Networks. IEEE Access, 2021, 9, 93182-93194.	2.6	7
29	Fire Detection from Social Media Images by Means of Instance-Based Learning. Lecture Notes in Business Information Processing, 2015, , 23-44.	0.8	5
30	Investigating the potential of art neural network models for indexing and information retrieval. International Journal of Intelligent Systems, 2007, 22, 319-336.	3.3	4
31	Similarity sets: A new concept of sets to seamlessly handle similarity in database management systems. Information Systems, 2015, 52, 130-148.	2.4	4
32	Color and Texture Influence on Computer-Aided Diagnosis of Dermatological Ulcers. , 2015, , .		4
33	Improving Metric Access Methods with Bucket Files. Lecture Notes in Computer Science, 2015, , 65-76.	1.0	4
34	dp-BREATH: Heat maps and probabilistic classification assisting the analysis of abnormal lung regions. Computer Methods and Programs in Biomedicine, 2019, 173, 27-34.	2.6	4
35	On the Support of a Similarity-enabled Relational Database Management System in Civilian Crisis Situations. , 2016, , .		4
36	MedInject: A General-Purpose Information Retrieval Framework Applied in a Medical Context. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
37	Hollow-tree: a metric access method for data with missing values. Journal of Intelligent Information Systems, 2019, 53, 481-508.	2.8	3
38	Integrating user profile in medical CBIR systems to answer perceptual similarity queries. Proceedings of SPIE, 2011, , .	0.8	2
39	A CAD system based on complex networks theory to characterize mass in mammograms. Proceedings of SPIE, 2012, , .	0.8	2
40	QuMinS: Fast and scalable querying, mining and summarizing multi-modal databases. Information Sciences, 2014, 264, 211-229.	4.0	2
41	Retrieving 2D shapes by similarity based on bag of salience points. Multimedia Tools and Applications, 2017, 76, 20957-20971.	2.6	2
42	Similarity Joins and Beyond: An Extended Set of Binary Operators with Order. Lecture Notes in Computer Science, 2015, , 29-41.	1.0	2
43	Diversity in Similarity Joins. Lecture Notes in Computer Science, 2015, , 42-53.	1.0	2
44	Using Sub-dictionaries for Image Representation Based on the Bag-of-Visual-Words Approach. , 2014, , .		1
45	Efficient Self-similarity Range Wide-joins Fostering Near-duplicate Image Detection in Emergency Scenarios. , 2016, , .		1
46	Establishing trajectories of moving objects without identities: The intricacies of cell tracking and a solution. Information Systems, 2022, 105, 101955.	2.4	1
47	Similarity Search and Correlation-Based Exploratory Analysis in EHRs: A Case Study with COVID-19 Databases. , 0, , .		1
48	Being Similar is Not Enough: How to Bridge Usability Gap through Diversity in Medical Images. , 2014, , .		0
49	Encoding Visual Attention Features for Effective Biomedical Images Retrieval. , 2016, , .		0
50	FeatSet: A Compilation of Visual Features Extracted from Public Image Datasets. , 0, , .		0
51	Discovering Frequent Patterns on Agrometeorological Data with TrieMotif. Lecture Notes in Business Information Processing, 2015, , 91-107.	0.8	0