

Pavel Zezula

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

1,736
citations

471371

17
h-index

315616

38
g-index

102
all docs

102
docs citations

102
times ranked

800
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking subjects and detecting relationships in crowded city videos. Multimedia Tools and Applications, 2024, 83, 15339-15361.	2.6	3
2	Understanding the limits of 2D skeletons for action recognition. Multimedia Systems, 2021, 27, 547.	3.0	7
3	Efficient combination of classifiers for 3D action recognition. Multimedia Systems, 2021, 27, 941-952.	3.0	1
4	Efficient Retrieval of Human Motion Episodes Based on Indexed Motion-Word Representations. International Journal of Semantic Computing, 2021, 15, 189-213.	0.4	1
5	Efficient Indexing of 3D Human Motions. , 2021, , .		6
6	On the Similarity Search With Hamming Space Sketches. Advances in Data Mining and Database Management Book Series, 2021, , 97-127.	0.4	0
7	Content-Based Management of Human Motion Data: Survey and Challenges. IEEE Access, 2021, 9, 64241-64255.	2.6	15
8	Similarity Search for an Extreme Application: Experience and Implementation. Lecture Notes in Computer Science, 2021, , 265-279.	1.0	1
9	SPEED21: Speed Climbing Motion Dataset. , 2021, , .		3
10	Data-dependent metric filtering. Information Systems, 2021, , 101980.	2.4	0
11	On the application of convex transforms to metric search. Pattern Recognition Letters, 2020, 138, 563-570.	2.6	3
12	Motion Words: A Text-Like Representation of 3D Skeleton Sequences. Lecture Notes in Computer Science, 2020, , 527-541.	1.0	13
13	Accelerating Metric Filtering by Improving Bounds on Estimated Distances. Lecture Notes in Computer Science, 2020, , 3-17.	1.0	1
14	Algebra for Complex Analysis of Data. Lecture Notes in Computer Science, 2020, , 177-187.	1.0	1
15	Techniques for Complex Analysis of Contemporary Data. , 2020, , .		2
16	Benchmarking Search and Annotation in Continuous Human Skeleton Sequences. , 2019, , .		1
17	Recognizing User-Defined Subsequences in Human Motion Data. , 2019, , .		1
18	Similarity Search in 3D Human Motion Data. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	LSTM-based real-time action detection and prediction in human motion streams. Multimedia Tools and Applications, 2019, 78, 27309-27331.	2.6	43
20	Understanding the Gap between 2D and 3D Skeleton-Based Action Recognition. , 2019, , .		7
21	Augmenting Spatio-Temporal Human Motion Data for Effective 3D Action Recognition. , 2019, , .		7
22	Binary Sketches for Secondary Filtering. ACM Transactions on Information Systems, 2019, 37, 1-28.	3.8	54
23	Searching for variable-speed motions in long sequences of motion capture data. Information Systems, 2019, 80, 148-158.	2.4	20
24	ConceptRank for search-based image annotation. Multimedia Tools and Applications, 2018, 77, 8847-8882.	2.6	6
25	Effective and efficient similarity searching in motion capture data. Multimedia Tools and Applications, 2018, 77, 12073-12094.	2.6	44
26	Combining Cache and Priority Queue to Enhance Evaluation of Similarity Search Queries. , 2018, , .		1
27	Similarity-Based Processing of Motion Capture Data. , 2018, , .		1
28	Multi-modal Image Retrieval for Search-Based Image Annotation with RF. , 2018, , .		2
29	Probabilistic Classification of Skeleton Sequences. Lecture Notes in Computer Science, 2018, , 50-65.	1.0	4
30	Towards Faster Similarity Search by Dynamic Reordering of Streamed Queries. Lecture Notes in Computer Science, 2018, , 61-88.	1.0	0
31	Speeding Up Continuous kNN Join by Binary Sketches. Lecture Notes in Computer Science, 2018, , 183-198.	1.0	1
32	Indexing Metric Spaces. , 2018, , 1876-1880.		0
33	Speeding up the multimedia feature extraction: a comparative study on the big data approach. Multimedia Tools and Applications, 2017, 76, 7497-7517.	2.6	7
34	Towards High Similarity Search Throughput by Dynamic Query Reordering and Parallel Processing. Lecture Notes in Computer Science, 2017, , 262-277.	1.0	0
35	Fusion Strategies for Large-Scale Multi-modal Image Retrieval. Lecture Notes in Computer Science, 2017, , 146-184.	1.0	8
36	A Real-Time Annotation of Motion Data Streams. , 2017, , .		6

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37	Fast Subsequence Matching in Motion Capture Data. Lecture Notes in Computer Science, 2017, , 59-72.	1.0	3
38	Cache and Priority Queue Based Approximation Technique for a Stream of Similarity Search Queries. Lecture Notes in Computer Science, 2017, , 17-33.	1.0	2
39	Assessing similarity models for humanâ€motion retrieval applications. Computer Animation and Virtual Worlds, 2016, 27, 484-500.	0.7	15
40	Designing Sketches for Similarity Filtering. , 2016, , .		11
41	Enhancing Similarity Search Throughput by Dynamic Query Reordering. Lecture Notes in Computer Science, 2016, , 185-200.	1.0	5
42	Similarity Searching for Database Applications. Lecture Notes in Computer Science, 2016, , 3-10.	1.0	2
43	PPP-Codes for Large-Scale Similarity Searching. Lecture Notes in Computer Science, 2016, , 61-87.	1.0	19
44	Speeding up Similarity Search by Sketches. Lecture Notes in Computer Science, 2016, , 250-258.	1.0	11
45	Similarity Searching in Long Sequences of Motion Capture Data. Lecture Notes in Computer Science, 2016, , 271-285.	1.0	6
46	Inherent Fusion. Journal of Database Management, 2016, 27, 1-23.	1.0	4
47	Scalable Similarity Search for Big Data. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 3-12.	0.2	1
48	Face Image Retrieval Revisited. Lecture Notes in Computer Science, 2015, , 204-216.	1.0	4
49	Large-scale Image Retrieval using Neural Net Descriptors. , 2015, , .		19
50	Search-Based Image Annotation: Extracting Semantics from Similar Images. Lecture Notes in Computer Science, 2015, , 327-339.	1.0	4
51	Similarity Searching for the Big Data. Mobile Networks and Applications, 2015, 20, 487-496.	2.2	9
52	Motion Images: An Effective Representation of Motion Capture Data for Similarity Search. Lecture Notes in Computer Science, 2015, , 250-255.	1.0	11
53	Efficient Image Search with Neural Net Features. Lecture Notes in Computer Science, 2015, , 237-243.	1.0	3
54	Privacy-Preserving Outsourced Similarity Search. Journal of Database Management, 2014, 25, 48-71.	1.0	5

#	ARTICLE	IF	CITATIONS
55	CLAN Photo Presenter. , 2014, , .		2
56	Rank Aggregation of Candidate Sets for Efficient Similarity Search. Lecture Notes in Computer Science, 2014, , 42-58.	1.0	14
57	Indexing Metric Spaces. , 2014, , 1-5.		0
58	Efficiency and security in similarity cloud services. Proceedings of the VLDB Endowment, 2013, 6, 1450-1455.	2.1	2
59	Content-based annotation and classification framework. , 2013, , .		5
60	A Key-Pose Similarity Algorithm for Motion Data Retrieval. Lecture Notes in Computer Science, 2013, , 669-681.	1.0	15
61	Large-scale similarity data management with distributed Metric Index. Information Processing and Management, 2012, 48, 855-872.	5.4	26
62	Multi Feature Indexing Network MUFIN for Similarity Search Applications. Lecture Notes in Computer Science, 2012, , 77-87.	1.0	2
63	Secure Metric-Based Index for Similarity Cloud. Lecture Notes in Computer Science, 2012, , 130-147.	1.0	4
64	Query Language for Complex Similarity Queries. Lecture Notes in Computer Science, 2012, , 85-98.	1.0	8
65	Generic Subsequence Matching Framework: Modularity, Flexibility, Efficiency. Lecture Notes in Computer Science, 2012, , 256-265.	1.0	1
66	On Combining Sequence Alignment and Feature-Quantization for Sub-Image Searching. International Journal of Multimedia Data Engineering and Management, 2012, 3, 20-44.	0.3	0
67	Searching for Sub-images Using Sequence Alignment. , 2011, , .		2
68	Metric Index: An efficient and scalable solution for precise and approximate similarity search. Information Systems, 2011, 36, 721-733.	2.4	112
69	Stabilizing the recall in similarity search. , 2011, , .		4
70	Evaluation Platform for Content-Based Image Retrieval Systems. Lecture Notes in Computer Science, 2011, , 130-142.	1.0	23
71	Building a web-scale image similarity search system. Multimedia Tools and Applications, 2010, 47, 599-629.	2.6	92
72	Real-life performance of metric searching. SIGSPATIAL Special, 2010, 2, 28-31.	2.5	0

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73	Toward Self-Organizing Search Systems. Computer Communications and Networks, 2010, , 49-80.	0.8	0
74	Principles of Holism for sequential twig pattern matching. VLDB Journal, 2009, 18, 1369-1392.	2.7	3
75	Distance browsing in distributed multimedia databases. Future Generation Computer Systems, 2009, 25, 64-76.	4.9	4
76	Generic similarity search engine demonstrated by an image retrieval application. , 2009, , .		17
77	Indexing Metric Spaces. , 2009, , 1451-1454.		0
78	Scalability comparison of Peer-to-Peer similarity search structures. Future Generation Computer Systems, 2008, 24, 834-848.	4.9	23
79	Combining Metric Features in Large Collections. , 2008, , .		4
80	Combining metric features in large collections. , 2008, , .		2
81	Adaptive Approximate Similarity Searching through Metric Social Networks. , 2008, , .		11
82	Web-scale system for image similarity search: When the dreams are coming true. , 2008, , .		12
83	Similarity Searching: Towards Bulk-Loading Peer-to-Peer Networks. , 2008, , .		4
84	Efficiency and Scalability Issues in Metric Access Methods. Studies in Computational Intelligence, 2008, , 235-263.	0.7	2
85	Nearest neighbor search in metric spaces through Content-Addressable Networks. Information Processing and Management, 2007, 43, 665-683.	5.4	8
86	MESSIF: Metric Similarity Search Implementation Framework. , 2007, , 1-10.		42
87	Querying Similarity in Metric Social Networks. , 2007, , 278-287.		5
88	On scalability of the similarity search in the world of peers. , 2006, , .		41
89	Similarity Grid for Searching in Metric Spaces. Lecture Notes in Computer Science, 2005, , 25-44.	1.0	17
90	A Scalable Nearest Neighbor Search in P2P Systems. Lecture Notes in Computer Science, 2005, , 79-92.	1.0	20

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91	Tree Signatures and Unordered XML Pattern Matching. Lecture Notes in Computer Science, 2004, , 122-139.	1.0	9
92	D-Index: Distance Searching Index for Metric Data Sets. Multimedia Tools and Applications, 2003, 21, 9-33.	2.6	103
93	Region proximity in metric spaces and its use for approximate similarity search. ACM Transactions on Information Systems, 2003, 21, 192-227.	3.8	50
94	Similarity Join in Metric Spaces Using eD-Index. Lecture Notes in Computer Science, 2003, , 484-493.	1.0	42
95	Tree Signatures for XML Querying and Navigation. Lecture Notes in Computer Science, 2003, , 149-163.	1.0	16
96	Approximate similarity retrieval with M-trees. VLDB Journal, 1998, 7, 275-293.	2.7	80
97	Declustering of key-based partitioned signature files. ACM Transactions on Database Systems, 1996, 21, 295-338.	1.5	28
98	Key-based partitioned bit-sliced signature file. ACM SIGIR Forum, 1995, 29, 20-34.	0.4	1
99	Selecting signature files for specific applications. Information Processing and Management, 1993, 29, 487-498.	5.4	10