

Benjamin Bustos

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

1,897
citations

566801

15
h-index

288905

40
g-index

79
all docs

79
docs citations

79
times ranked

1355
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review of the video-to-text problem. <i>Artificial Intelligence Review</i> , 2022, 55, 4165-4239.	9.7	5
2	Squeeze: Efficient compact fractals for tensor core GPUs. <i>Future Generation Computer Systems</i> , 2022, 135, 10-19.	4.9	3
3	Improving Video Captioning with Temporal Composition of a Visual-Syntactic Embedding. , 2021, , .		27
4	Improving Signal-Strength Aggregation for Mobile Crowdsourcing Scenarios. <i>Sensors</i> , 2021, 21, 1084.	2.1	5
5	Detecting Anomalies at a TLD Name Server Based on DNS Traffic Predictions. <i>IEEE Transactions on Network and Service Management</i> , 2021, 18, 1016-1030.	3.2	4
6	PePa Ping Dataset. , 2021, , .		1
7	A Benchmark Dataset for Repetitive Pattern Recognition on Textured 3D Surfaces. <i>Computer Graphics Forum</i> , 2021, 40, 1-8.	1.8	2
8	Effect of adding physical links on the robustness of the Internet modeled as a physical-logical interdependent network using simple strategies. <i>International Journal of Critical Infrastructure Protection</i> , 2021, 36, 100483.	2.9	1
9	A Multi-resolution Approximation for Time Series. <i>Neural Processing Letters</i> , 2020, 52, 75-96.	2.0	0
10	SHREC 2020: Retrieval of digital surfaces with similar geometric reliefs. <i>Computers and Graphics</i> , 2020, 91, 199-218.	1.4	10
11	A Survey on Frameworks Used for Robustness Analysis on Interdependent Networks. <i>Complexity</i> , 2020, 2020, 1-17.	0.9	15
12	A sketch-aided retrieval approach for incomplete 3D objects. <i>Computers and Graphics</i> , 2020, 87, 111-122.	1.4	8
13	Efficient GPU thread mapping on embedded 2D fractals. <i>Future Generation Computer Systems</i> , 2020, 113, 158-169.	4.9	5
14	3D Shape Matching for Retrieval and Recognition. , 2020, , 413-461.		0
15	Extending SPARQL with Similarity Joins. <i>Lecture Notes in Computer Science</i> , 2020, , 201-217.	1.0	2
16	Analysis of a Self-Similar GPU Thread Map for Data-parallel m-Simplex Domains. , 2019, , .		0
17	Extracting semantic knowledge from web context for multimedia IR: a taxonomy, survey and challenges. <i>Multimedia Tools and Applications</i> , 2018, 77, 13853-13889.	2.6	7
18	Competitiveness of a Non-Linear Block-Space GPU Thread Map for Simplex Domains. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2018, 29, 2728-2741.	4.0	10

#	ARTICLE	IF	CITATIONS
19	Feature-Based 3D Object Retrieval. , 2018, , 1467-1471.		0
20	Combining pixel domain and compressed domain index for sketch based image retrieval. Multimedia Tools and Applications, 2017, 76, 22019-22042.	2.6	2
21	Scalable 3D shape retrieval using local features and the signature quadratic form distance. Visual Computer, 2017, 33, 1571-1585.	2.5	7
22	Feature-Based 3D Object Retrieval. , 2017, , 1-5.		1
23	Multi-resolution Time Series Discord Discovery. Lecture Notes in Computer Science, 2017, , 116-128.	1.0	1
24	IMGpedia: A Linked Dataset with Content-Based Analysis of Wikimedia Images. Lecture Notes in Computer Science, 2017, , 84-93.	1.0	26
25	Human Action Classification Using an Extended BoW Formalism. Lecture Notes in Computer Science, 2017, , 185-196.	1.0	1
26	Efficient Temporal Kernels Between Feature Sets for Time Series Classification. Lecture Notes in Computer Science, 2017, , 528-543.	1.0	4
27	Indexing, X-Tree. , 2017, , 999-1004.		0
28	Potential benefits of a block-space GPU approach for discrete tetrahedral domains. , 2016, , .		4
29	Image descriptor extraction using Android mobile devices for a video search system. IEEE Latin America Transactions, 2016, 14, 2890-2893.	1.2	0
30	Empirical evaluation of dissimilarity measures for 3D object retrieval with application to multi-feature retrieval. , 2015, , .		3
31	Sketch-based image retrieval using keyshapes. Multimedia Tools and Applications, 2014, 73, 2033-2062.	2.6	33
32	A benchmark of simulated range images for partial shape retrieval. Visual Computer, 2014, 30, 1293-1308.	2.5	7
33	A comparison of methods for sketch-based 3D shape retrieval. Computer Vision and Image Understanding, 2014, 119, 57-80.	3.0	91
34	Analyzing and dynamically indexing the query set. Information Systems, 2014, 45, 37-47.	2.4	13
35	Anomaly Detection in Streaming Time Series Based on Bounding Boxes. Lecture Notes in Computer Science, 2014, , 201-213.	1.0	8
36	Competitive content-based video copy detection using global descriptors. Multimedia Tools and Applications, 2013, 62, 75-110.	2.6	17

#	ARTICLE	IF	CITATIONS
37	Data-aware 3D partitioning for generic shape retrieval. Computers and Graphics, 2013, 37, 460-472.	1.4	17
38	A comparison of methods for non-rigid 3D shape retrieval. Pattern Recognition, 2013, 46, 449-461.	5.1	147
39	Key-components: detection of salient regions on 3D meshes. Visual Computer, 2013, 29, 1319-1332.	2.5	12
40	A Fully Hierarchical Approach for Finding Correspondences in Non-rigid Shapes. , 2013, , .		4
41	Graph-based combinations of fragment descriptors for improved 3D Object Retrieval. , 2012, , .		4
42	Visual exploration of local interest points in sets of time series. , 2012, , .		4
43	D-Cache: Universal Distance Cache for Metric Access Methods. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 868-881.	4.0	22
44	3D Shape Matching for Retrieval and Recognition. , 2012, , 265-308.		2
45	Improving 3D similarity search by enhancing and combining 3D descriptors. Multimedia Tools and Applications, 2012, 58, 81-108.	2.6	10
46	Adapting metric indexes for searching in multi-metric spaces. Multimedia Tools and Applications, 2012, 58, 467-496.	2.6	13
47	Snake Table: A Dynamic Pivot Table for Streams of k-NN Searches. Lecture Notes in Computer Science, 2012, , 25-39.	1.0	1
48	Automatic weight selection for multi-metric distances. , 2011, , .		5
49	On nonmetric similarity search problems in complex domains. ACM Computing Surveys, 2011, 43, 1-50.	16.1	60
50	Harris 3D: a robust extension of the Harris operator for interest point detection on 3D meshes. Visual Computer, 2011, 27, 963-976.	2.5	367
51	STELA. , 2011, , .		20
52	P-VCD: A pivot-based approach for Content-Based Video Copy Detection. , 2011, , .		3
53	Non-metric similarity search problems in very large collections. , 2011, , .		4
54	Visual-semantic graphs. , 2010, , .		6

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55	On the asymptotic behavior of nearest neighbor search using pivot-based indexes. , 2010, , .		1
56	CP-index. , 2010, , .		1
57	Beyond the metric space model. SIGSPATIAL Special, 2010, 2, 20-23.	2.5	2
58	An Improved Histogram of Edge Local Orientations for Sketch-Based Image Retrieval. Lecture Notes in Computer Science, 2010, , 432-441.	1.0	37
59	Rank-Mixer and Rank-Booster: Improving the Effectiveness of Retrieval Methods. Lecture Notes in Computer Science, 2010, , 119-128.	1.0	0
60	Improving the space cost of k-NN search in metric spaces by using distance estimators. Multimedia Tools and Applications, 2009, 41, 215-233.	2.6	9
61	Text-Based and Content-Based Image Retrieval on Flickr: DEMO. , 2009, , .		11
62	On Index-Free Similarity Search in Metric Spaces. Lecture Notes in Computer Science, 2009, , 516-531.	1.0	4
63	Feature-Based 3D Object Retrieval. , 2009, , 1125-1128.		1
64	A Dynamic Pivot Selection Technique for Similarity Search. , 2008, , .		29
65	A dynamic pivot selection technique for similarity search. , 2008, , .		3
66	Indexing, X-Tree. , 2008, , 543-547.		2
67	Content-Based 3D Object Retrieval. IEEE Computer Graphics and Applications, 2007, 27, 22-27.	1.0	92
68	An experimental effectiveness comparison of methods for 3D similarity search. International Journal on Digital Libraries, 2006, 6, 39-54.	1.1	41
69	Dynamic similarity search in multi-metric spaces. , 2006, , .		24
70	A pivot-based index structure for combination of feature vectors. , 2005, , .		11
71	Feature-based similarity search in 3D object databases. ACM Computing Surveys, 2005, 37, 345-387.	16.1	332
72	Probabilistic proximity searching algorithms based on compact partitions. Journal of Discrete Algorithms, 2004, 2, 115-134.	0.7	26

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73	Pivot selection techniques for proximity searching in metric spaces. Pattern Recognition Letters, 2003, 24, 2357-2366.	2.6	158
74	Probabilistic Proximity Searching Algorithms Based on Compact Partitions. Lecture Notes in Computer Science, 2002, , 284-297.	1.0	1
75	Pivot selection techniques for proximity searching in metric spaces. , 0, , .		8
76	Automatic Selection and Combination of Descriptors for Effective 3D Similarity Search. , 0, , .		34
77	An experimental comparison of feature-based 3D retrieval methods. , 0, , .		20