

Claudio Gennaro

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

1,603
citations

535685

17
h-index

466096

32
g-index

104
all docs

104
docs citations

104
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing the performance of Hebbian against backpropagation learning using convolutional neural networks. <i>Neural Computing and Applications</i> , 2022, 34, 6503-6519.	3.2	8
2	Training Convolutional Neural Networks with Competitive Hebbian Learning Approaches. <i>Lecture Notes in Computer Science</i> , 2022, , 25-40.	1.0	3
3	VISIONE at Video Browser Showdown 2022. <i>Lecture Notes in Computer Science</i> , 2022, , 543-548.	1.0	7
4	An embedded toolset for human activity monitoring in critical environments. <i>Expert Systems With Applications</i> , 2022, 199, 117125.	4.4	9
5	Recurrent Vision Transformer for Solving Visual Reasoning Problems. <i>Lecture Notes in Computer Science</i> , 2022, , 50-61.	1.0	1
6	Combining EfficientNet and Vision Transformers for Video Deepfake Detection. <i>Lecture Notes in Computer Science</i> , 2022, , 219-229.	1.0	50
7	MOBDrone: A Drone Video Dataset for Man Overboard Rescue. <i>Lecture Notes in Computer Science</i> , 2022, , 633-644.	1.0	7
8	Learning to count biological structures with raters' uncertainty. <i>Medical Image Analysis</i> , 2022, 80, 102500.	7.0	5
9	Multi-camera vehicle counting using edge-AI. <i>Expert Systems With Applications</i> , 2022, 207, 117929.	4.4	8
10	Re-ranking via local embeddings: A use case with permutation-based indexing and the nSimplex projection. <i>Information Systems</i> , 2021, 95, 101506.	2.4	4
11	Learning accurate personal protective equipment detection from virtual worlds. <i>Multimedia Tools and Applications</i> , 2021, 80, 23241-23253.	2.6	7
12	VISIONE at Video Browser Showdown 2021. <i>Lecture Notes in Computer Science</i> , 2021, , 473-478.	1.0	13
13	Solving the same-different task with convolutional neural networks. <i>Pattern Recognition Letters</i> , 2021, 143, 75-80.	2.6	13
14	The VISIONE Video Search System: Exploiting Off-the-Shelf Text Search Engines for Large-Scale Video Retrieval. <i>Journal of Imaging</i> , 2021, 7, 76.	1.7	13
15	Assessing Pattern Recognition Performance of Neuronal Cultures through Accurate Simulation. , 2021, , .		2
16	Towards Efficient Cross-Modal Visual Textual Retrieval using Transformer-Encoder Deep Features. , 2021, , .		4
17	Hebbian semi-supervised learning in a sample efficiency setting. <i>Neural Networks</i> , 2021, 143, 719-731.	3.3	11
18	Combining GANs and AutoEncoders for efficient anomaly detection. , 2021, , .		14

#	ARTICLE	IF	CITATIONS
19	On Generalizing Permutation-Based Representations for Approximate Search. Lecture Notes in Computer Science, 2021, , 66-80.	1.0	1
20	Fine-Grained Visual Textual Alignment for Cross-Modal Retrieval Using Transformer Encoders. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-23.	3.0	65
21	Large-scale instance-level image retrieval. Information Processing and Management, 2020, 57, 102100.	5.4	24
22	Learning visual features for relational CBIR. International Journal of Multimedia Information Retrieval, 2020, 9, 113-124.	3.6	9
23	Virtual to Real Adaptation of Pedestrian Detectors. Sensors, 2020, 20, 5250.	2.1	23
24	5G-Enabled Security Scenarios for Unmanned Aircraft: Experimentation in Urban Environment. Drones, 2020, 4, 22.	2.7	8
25	Continuous ODE-defined Image Features for Adaptive Retrieval. , 2020, , .		2
26	Learning Distance Estimators from Pivoted Embeddings of Metric Objects. Lecture Notes in Computer Science, 2020, , 361-368.	1.0	2
27	Multi-Resolution Face Recognition with Drones. , 2020, , .		8
28	Face Verification and Recognition for Digital Forensics and Information Security. , 2019, , .		11
29	Learning Safety Equipment Detection using Virtual Worlds. , 2019, , .		12
30	Testing Deep Neural Networks on the Same-Different Task. , 2019, , .		5
31	Distributed Video Surveillance Using Smart Cameras. Journal of Grid Computing, 2019, 17, 59-77.	2.5	25
32	VISIONE at VBS2019. Lecture Notes in Computer Science, 2019, , 591-596.	1.0	10
33	Learning Relationship-Aware Visual Features. Lecture Notes in Computer Science, 2019, , 486-501.	1.0	5
34	Learning Pedestrian Detection from Virtual Worlds. Lecture Notes in Computer Science, 2019, , 302-312.	1.0	13
35	Hebbian Learning Meets Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2019, , 324-334.	1.0	21
36	An Image Retrieval System for Video. Lecture Notes in Computer Science, 2019, , 332-339.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Counting Vehicles with Deep Learning in Onboard UAV Imagery. , 2019, , .		19
38	Evaluation of Continuous Image Features Learned by ODE Nets. Lecture Notes in Computer Science, 2019, , 432-442.	1.0	1
39	SPLX-Perm: A Novel Permutation-Based Representation for Approximate Metric Search. Lecture Notes in Computer Science, 2019, , 40-48.	1.0	4
40	Improving Multi-scale Face Recognition Using VGGFace2. Lecture Notes in Computer Science, 2019, , 21-29.	1.0	5
41	Facial-based Intrusion Detection System with Deep Learning in Embedded Devices. , 2018, , .		5
42	A Wireless Smart Camera Network for Parking Monitoring. , 2018, , .		9
43	Re-ranking Permutation-Based Candidate Sets with the n-Simplex Projection. Lecture Notes in Computer Science, 2018, , 3-17.	1.0	2
44	Large-Scale Image Retrieval with Elasticsearch. , 2018, , .		12
45	Boosting a Low-Cost Smart Home Environment with Usage and Access Control Rules. Sensors, 2018, 18, 1886.	2.1	22
46	Smart farming: Opportunities, challenges and technology enablers. , 2018, , .		75
47	A prediction-based distributed tracking protocol for video surveillance. , 2017, , .		6
48	Efficient Indexing of Regional Maximum Activations of Convolutions using Full-Text Search Engines. , 2017, , .		3
49	Deep learning for decentralized parking lot occupancy detection. Expert Systems With Applications, 2017, 72, 327-334.	4.4	244
50	Searching and annotating 100M Images with YFCC100M-HNfc6 and MI-File. , 2017, , .		12
51	YFCC100M-HNfc6: A Large-Scale Deep Features Benchmark for Similarity Search. Lecture Notes in Computer Science, 2016, , 196-209.	1.0	16
52	Deep Permutations: Deep Convolutional Neural Networks and Permutation-Based Indexing. Lecture Notes in Computer Science, 2016, , 93-106.	1.0	15
53	Car parking occupancy detection using smart camera networks and Deep Learning. , 2016, , .		107
54	Large Scale Indexing and Searching Deep Convolutional Neural Network Features. Lecture Notes in Computer Science, 2016, , 213-224.	1.0	11

#	ARTICLE	IF	CITATIONS
55	YFCC100M HybridNet fc6 Deep Features for Content-Based Image Retrieval. , 2016, , .		5
56	A Benchmark Dataset for Human Activity Recognition and Ambient Assisted Living. Advances in Intelligent Systems and Computing, 2016, , 1-9.	0.5	6
57	Using Apache Lucene to Search Vector of Locally Aggregated Descriptors. , 2016, , .		1
58	DICE: A Distributed Protocol for Camera-Aided Video Surveillance. , 2015, , .		7
59	Efficient foreground-background segmentation using local features for object detection. , 2015, , .		0
60	Robotic Ubiquitous Cognitive Ecology for Smart Homes. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 80, 57-81.	2.0	27
61	A cognitive robotic ecology approach to self-configuring and evolving AAL systems. Engineering Applications of Artificial Intelligence, 2015, 45, 269-280.	4.3	24
62	Fast Image Classification for Monument Recognition. Journal on Computing and Cultural Heritage, 2015, 8, 1-25.	1.2	31
63	Querying moving events in wireless sensor networks. Pervasive and Mobile Computing, 2015, 16, 51-75.	2.1	11
64	Semiautomatic Learning of 3D Objects from Video Streams. Lecture Notes in Computer Science, 2015, , 217-228.	1.0	0
65	Indexing Vectors of Locally Aggregated Descriptors Using Inverted Files. , 2014, , .		0
66	Enriching image feature description supporting effective content-based retrieval and annotation. , 2014, , .		1
67	MI-File: using inverted files for scalable approximate similarity search. Multimedia Tools and Applications, 2014, 71, 1333-1362.	2.6	60
68	A mediator-based approach for integrating heterogeneous multimedia sources. Multimedia Tools and Applications, 2013, 62, 427-450.	2.6	5
69	Quick and Easy Implementation of Approximate Similarity Search with Lucene. Communications in Computer and Information Science, 2013, , 163-171.	0.4	1
70	Large Scale Image Retrieval Using Vector of Locally Aggregated Descriptors. Lecture Notes in Computer Science, 2013, , 245-256.	1.0	8
71	Dynamic Tracking of Composite Events in Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 72-86.	0.2	1
72	Robotic UBIquitous COgnitive Network. Advances in Intelligent and Soft Computing, 2012, , 191-195.	0.2	16

#	ARTICLE	IF	CITATIONS
73	Efficient detection of composite events in Wireless Sensor Networks: Design and evaluation. , 2011, , .		4
74	A unified multimedia and semantic perspective for data retrieval in the semantic web. Information Systems, 2011, 36, 174-191.	2.4	6
75	Geometric consistency checks for kNN based image classification relying on local features. , 2011, , .		6
76	Combining local and global visual feature similarity using a text search engine. , 2011, , .		12
77	Scalability Issues for Self Similarity Join in Distributed Systems. , 2010, , .		0
78	An Approach to Content-Based Image Retrieval Based on the Lucene Search Engine Library. Lecture Notes in Computer Science, 2010, , 55-66.	1.0	30
79	Distance browsing in distributed multimedia databases. Future Generation Computer Systems, 2009, 25, 64-76.	4.9	4
80	Regia: a metadata editor for audiovisual documents. Multimedia Tools and Applications, 2008, 36, 185-201.	2.6	2
81	Erratum to "Nearest neighbor search in metric spaces through Content-Addressable Networks" [Information Processing and Management 43 (2007) 665-683]. Information Processing and Management, 2008, 44, 410.	5.4	0
82	Processing complex similarity queries in peer-to-peer networks. , 2008, , .		4
83	Efficient Video-Stream Filtering. IEEE MultiMedia, 2008, 15, 52-62.	1.5	3
84	Efficiency and Scalability Issues in Metric Access Methods. Studies in Computational Intelligence, 2008, , 235-263.	0.7	2
85	Automatic metadata extraction and indexing for reusing e-learning multimedia objects. , 2007, , .		13
86	Nearest neighbor search in metric spaces through Content-Addressable Networks. Information Processing and Management, 2007, 43, 665-683.	5.4	8
87	A Digital Library Framework for Reusing e-Learning Video Documents. Lecture Notes in Computer Science, 2007, , 444-449.	1.0	2
88	A Distributed Incremental Nearest Neighbor Algorithm. , 2007, , .		1
89	A Content-Addressable Network for Similarity Search in Metric Spaces. , 2006, , 98-110.		35
90	Similarity Grid for Searching in Metric Spaces. Lecture Notes in Computer Science, 2005, , 25-44.	1.0	17

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91	A Scalable Nearest Neighbor Search in P2P Systems. Lecture Notes in Computer Science, 2005, , 79-92.	1.0	20
92	Milos: A Multimedia Content Management System for Digital Library Applications. Lecture Notes in Computer Science, 2004, , 14-25.	1.0	30
93	D-Index: Distance Searching Index for Metric Data Sets. Multimedia Tools and Applications, 2003, 21, 9-33.	2.6	103
94	Effective scheduling of detached rules in active databases. IEEE Transactions on Knowledge and Data Engineering, 2003, 15, 2-13.	4.0	15
95	Similarity Join in Metric Spaces. Lecture Notes in Computer Science, 2003, , 452-467.	1.0	16
96	Similarity Join in Metric Spaces Using eD-Index. Lecture Notes in Computer Science, 2003, , 484-493.	1.0	42
97	Integrated performance models for SPMD applications and MIMD architectures. IEEE Transactions on Parallel and Distributed Systems, 2002, 13, 745-757.	4.0	5
98	Similarity search in metric databases through hashing. , 2001, , .		16