Sad Mahmoudi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98 papers	945 citations	17 h-index	24 g-index
110 ext. papers	1,199 ext. citations	2.1 avg, IF	4.83 L-index

#	Paper	IF	Citations
98	Benchmark for Algorithms Segmenting the Left Atrium From 3D CT and MRI Datasets. *IEEE Transactions on Medical Imaging*, **2015**, 34, 1460-1473	11.7	96
97	Monitoring System Using Internet of Things For Potential Landslides. *Procedia Computer Science*, **2018**, 134, 26-34	1.6	39
96	Fog IoT for Health: A new Architecture for Patients and Elderly Monitoring.. *Procedia Computer Science*, **2019**, 160, 289-297	1.6	37
95	Web Monitoring of Bee Health for Researchers and Beekeepers Based on the Internet of Things. *Procedia Computer Science*, **2018**, 130, 991-998	1.6	34
94	PCA as Dimensionality Reduction for Large-Scale Image Retrieval Systems. *International Journal of Ambient Computing and Intelligence*, **2017**, 8, 45-58	2.7	27
93	Spine localization in X-ray images using interest point detection. *Journal of Digital Imaging*, **2009**, 22, 309-18	5.3	26
92	A framework of vertebra segmentation using the active shape model-based approach. *International Journal of Biomedical Imaging*, **2011**, 2011, 621905	5.2	26
91	DeepSketch: Deep convolutional neural networks for sketch recognition and similarity search **2015**,		25
90	Vertebra identification using template matching modelmp and K-means clustering. *International Journal of Computer Assisted Radiology and Surgery*, **2014**, 9, 177-87	3.9	25
89	A new Edge Architecture for AI-IoT services deployment. *Procedia Computer Science*, **2020**, 175, 10-19	1.6	22
88	Web-based cattle behavior service for researchers based on the smartphone inertial central. *Procedia Computer Science*, **2017**, 110, 110-116	1.6	21
87	Towards Good Practices for Image Retrieval Based on CNN Features **2017**,		21
86	Heterogeneous computing for vertebra detection and segmentation in x-ray images. *International Journal of Biomedical Imaging*, **2011**, 2011, 640208	5.2	21
85	Cloud services integration for farm animals behavior studies based on smartphones as activity sensors. *Journal of Ambient Intelligence and Humanized Computing*, **2019**, 10, 4651-4662	3.7	20
84	Edge Computing and Artificial Intelligence for Real-time Poultry Monitoring. *Procedia Computer Science*, **2020**, 175, 534-541	1.6	19
83	GPU-based segmentation of cervical vertebra in X-Ray images **2010**,		18
82	Fully automatic vertebra detection in x-ray images based on multi-class SVM **2012**,		17

81	Deep interpretable architecture for plant diseases classification **2019**,		16
80	**2018**,		16
79	Quadruplet Networks for Sketch-Based Image Retrieval **2017**,		15
78	Semi-automatic detection of cervical vertebrae in X-ray images using generalized hough transform **2012**,		15
77	Endocardial border detection in cardiac magnetic resonance images using level set method. *Journal of Digital Imaging*, **2012**, 25, 294-306	5.3	15
76	A new decision support model for preanesthetic evaluation. *Computer Methods and Programs in Biomedicine*, **2016**, 133, 183-193	6.9	14
75	DeepSketch 3. *Multimedia Tools and Applications*, **2017**, 76, 22333-22359	2.5	13
74	Cloud architecture for digital phenotyping and automation **2017**,		13
73	A probabilistic approach for 3D shape retrieval by characteristic views. *Pattern Recognition Letters*, **2007**, 28, 1705-1718	4.7	13
72	X-ray image segmentation for vertebral mobility analysis. *International Journal of Computer Assisted Radiology and Surgery*, **2008**, 2, 371-383	3.9	12
71	Edge AI-IoT Pivot Irrigation, Plant Diseases, and Pests Identification. *Procedia Computer Science*, **2020**, 177, 40-48	1.6	12
70	Data management and internet of things : A methodological review in smart farming. *Internet of Things (Netherlands)*, **2021**, 14, 100378	6.9	12
69	Fast 3D spine reconstruction of postoperative patients using a multilevel statistical model. *Lecture Notes in Computer Science*, **2012**, 15, 446-53	0.9	11
68	Edge Computing and Artificial Intelligence Semantically Driven. Application to a Climatic Enclosure. *Procedia Computer Science*, **2020**, 175, 542-547	1.6	11
67	Fog computing framework for location-based energy management in smart buildings. *Multiagent and Grid Systems*, **2019**, 15, 39-56	0.5	10
66	Legal protection of the Persian Gulf's marine environment. *Marine Policy*, **1997**, 21, 53-62	3.5	10
65	Internet of Things: Learning and practices. Application to smart home **2018**,		10
64	RANDOM FOREST BASED CLASSIFICATION OF MEDICAL X-RAY IMAGES USING A GENETIC ALGORITHM FOR FEATURE SELECTION. *Journal of Mechanics in Medicine and Biology*, **2015**, 15, 1540025	0.7	9

63	Towards a smart selection of resources in the cloud for low-energy multimedia processing. *Concurrency Computation Practice and Experience*, **2018**, 30, e4372	1.4	9
62	The Islamic Perception of the Use of Force in the Contemporary World. *Journal of the History of International Law*, **2005**, 7, 55-68	0.1	9
61	Edge Computing for Cattle Behavior Analysis **2020**,		9
60	Internet of Things: learning and practices. Application to Smart City **2018**,		9
59	Cloud architecture for plant phenotyping research. *Concurrency Computation Practice and Experience*, **2020**, 32, e5661	1.4	8
58	Three-dimensional spine model reconstruction using one-class SVM regularization. *IEEE Transactions on Biomedical Engineering*, **2013**, 60, 3256-64	5	8
57	Multilevel statistical shape models: A new framework for modeling hierarchical structures **2012**,		8
56	Edge Computing and Artificial Intelligence for Landslides Monitoring. *Procedia Computer Science*, **2020**, 177, 480-487	1.6	8
55	DeepSketch 2: Deep convolutional neural networks for partial sketch recognition **2016**,		8
54	RevoCampus: a Distributed Open Source and Low-cost Smart Campus **2020**,		7
53	Open Phytotron: A New IoT Device for Home Gardening **2020**,		7
52	Smart Nest Box: IoT Based Nest Monitoring In Artificial Cavities **2020**,		6
51	Cervical spine mobility analysis on radiographs: a fully automatic approach. *Computerized Medical Imaging and Graphics*, **2012**, 36, 634-42	7.6	6
50	A Portable Multi-CPU/Multi-GPU Based Vertebra Localization in Sagittal MR Images. *Lecture Notes in Computer Science*, **2014**, 209-218	0.9	6
49	A Bayesian framework for 3D models retrieval based on characteristic views		6
48	Cloud Platform using Big Data and HPC Technologies for Distributed and Parallels Treatments. *Procedia Computer Science*, **2018**, 141, 112-118	1.6	6
47	Internet of Things Learning: a Practical Case for Smart Building automation **2020**,		5
46	3D Objects Retrieval Using Curvature Scale Space and Zernike Moments. *Journal of Pattern Recognition Research*, **2011**, 6, 75-95		5

45	Automatic Segmentation of the Left Atrium on CT Images. *Lecture Notes in Computer Science*, **2014**, 14-23	0.9	5
44	Wheat varieties identification based on a deep learning approach. *Journal of the Saudi Society of Agricultural Sciences*, **2021**, 20, 281-289	3.3	5
43	Breast Cancer Response Prediction in Neoadjuvant Chemotherapy Treatment Based on Texture Analysis. *Procedia Computer Science*, **2016**, 100, 812-817	1.6	5
42	A New Edge Computing Architecture for IoT and Multimedia Data Management. *Information (Switzerland)*, **2022**, 13, 89	2.6	5
41	DeepSketch2Image **2016**,		4
40	Indexing Video by the Content. *Advances in Intelligent Systems and Computing*, **2016**, 21-33	0.4	4
39	An Ontology for video human movement representation based on Benesh notation **2012**,		4
38	Descriptive Image Feature for Object Detection in Medical Images. *Lecture Notes in Computer Science*, **2012**, 331-338	0.9	4
37	Vertebra Edge Detection Using Polar Signature **2006**,		4
36	Cloud and distributed architectures for data management in agriculture 4.0 : Review and future trends. *Journal of King Saud University - Computer and Information Sciences*, **2021**,	2.5	4
35	Towards Landslides Early Warning System With Fog - Edge Computing And Artificial Intelligence**. *Journal of Ubiquitous Systems and Pervasive Networks*, **2021**, 15, 11-17	1.8	4
34	Multimedia processing using deep learning technologies, high-performance computing cloud resources, and Big Data volumes. *Concurrency Computation Practice and Experience*, **2020**, 32, e5699	1.4	3
33	Semantic analysis of human movements in videos **2012**,		3
32	A New Approach for Cervical Vertebrae Segmentation **2007**, 753-762		3
31	A Texture Analysis Approach for Spine Metastasis Classification in T1 and T2 MRI. *Lecture Notes in Computer Science*, **2018**, 198-211	0.9	3
30	Farm Animals Behaviors and Welfare Analysis with IA Algorithms: A Review. *Revue D'Intelligence Artificielle*, **2021**, 35, 243-253	2.1	3
29	Cloud-Based Image Retrieval Using GPU Platforms. *Computers*, **2019**, 8, 48	1.9	2
28	Machine Learning Tool for Automatic ASA Detection. *Studies in Computational Intelligence*, **2013**, 9-16	0.8	2

27	A New Computer Aided Diagnosis System for Pre-Anesthesia Consultation. *Journal of Medical Imaging and Health Informatics*, **2013**, 3, 471-479	1.2	2
26	Points of interest detection in cervical spine radiographs by polygonal approximation **2010**,		2
25	Corner Points Detection for Vertebral Mobility Analysis **2007**,		2
24	A model-based vertebral segmentation method using GVF and ASM **2007**,		2
23	Mobility Estimation and Analysis in Medical X-ray Images Using Corners and Faces Contours Detection **2007**,		2
22	Toward an Automatic Left Atrium Localization Based on Shape Descriptors and Prior Knowledge. *Lecture Notes in Computer Science*, **2014**, 42-48	0.9	2
21	A fully automatic cardiac segmentation method using region growing technique **2016**,		2
20	A new Kappa Architecture for IoT Data Management in Smart Farming. *Procedia Computer Science*, **2021**, 191, 17-24	1.6	2
19	A New Parallel and Distributed Approach for Large Scale Images Retrieval. *Lecture Notes in Networks and Systems*, **2019**, 185-201	0.5	1
18	Web-based multimedia research and indexation for big data databases **2017**,		1
17	AUTOMATIC SEGMENTATION OF CARDIAC MAGNETIC RESONANCE IMAGES USING ACTIVE APPEARANCE MODELS AND HAUSDORFF DISTANCE. *Journal of Mechanics in Medicine and Biology*, **2012**, 12, 1250059	0.7	1
16	Spine localization and vertebral mobility analysis using faces contours detection. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society*, **2007**, 2007, 6558-61		1
15	Big Data Storage and Analysis for Smart Farming **2020**,		1
14	Triplet Networks Feature Masking for Sketch-Based Image Retrieval. *Lecture Notes in Computer Science*, **2017**, 296-303	0.9	1
13	Using Global Shape Descriptors for Content Medical-Based Image Retrieval **2013**, 492-502		1
12	Explainable Deep Learning for Covid-19 Detection Using Chest X-ray and CT-Scan Images. *EAI/Springer Innovations in Communication and Computing*, **2022**, 311-336	0.6	1
11	A Set of Texture-Based Methods for Breast Cancer Response Prediction in Neoadjuvant Chemotherapy Treatment **2018**, 137-147		1
10	Towards a distributed and parallel schema for active appearance model implementation. *International Journal of Computational Vision and Robotics*, **2016**, 6, 19	0.7	0

9	Single node deep learning frameworks: Comparative study and CPU/GPU performance analysis. *Concurrency Computation Practice and Experience*,e6730	1.4	0
8	A Reflexion on Implementation Version for Active Appearance Model. *International Journal of Computer Vision and Image Processing*, **2013**, 3, 16-30	0.7	0
7	Use of Armed Force against Suspected Foreign Submarines in the Swedish Internal Waters and Territorial Sea. *International Journal of Marine and Coastal Law*, **2018**, 33, 585-599	0.8	
6	Semi-Automatic Vertebra Segmentation110-124		
5	Efficiency of GPUs for Relational Database Engine Processing. *Lecture Notes in Computer Science*, **2016**, 226-233	0.9	
4	Improving Performances of an Embedded Relational Database Management System with a Hybrid CPU/GPU Processing Engine. *Communications in Computer and Information Science*, **2017**, 160-177	0.3	
3	A UN Specialized Agency for the Environment. *Environmental Policy and Law*, **2021**, 51, 111-120	0.4	
2	Distributed Deep Learning: From Single-Node to Multi-Node Architecture. *Electronics (Switzerland)*, **2022**, 11, 1525	2.6	
1	A New Comparative Study of Dimensionality Reduction Methods in Large-Scale Image Retrieval. *Big Data and Cognitive Computing*, **2022**, 6, 54	3.5	