

# Sad Mahmoudi

## List of Publications by Year in Descending Order

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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	Explainable Deep Learning for Covid-19 Detection Using Chest X-ray and CT-Scan Images. <i>EAI/Springer Innovations in Communication and Computing</i> , <b>2022</b> , 311-336	0.6	1
97	A New Edge Computing Architecture for IoT and Multimedia Data Management. <i>Information (Switzerland)</i> , <b>2022</b> , 13, 89	2.6	5
96	Distributed Deep Learning: From Single-Node to Multi-Node Architecture. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 1525	2.6	
95	A New Comparative Study of Dimensionality Reduction Methods in Large-Scale Image Retrieval. <i>Big Data and Cognitive Computing</i> , <b>2022</b> , 6, 54	3.5	
94	Cloud and distributed architectures for data management in agriculture 4.0 : Review and future trends. <i>Journal of King Saud University - Computer and Information Sciences</i> , <b>2021</b> ,	2.5	4
93	Towards Landslides Early Warning System With Fog - Edge Computing And Artificial Intelligence**. <i>Journal of Ubiquitous Systems and Pervasive Networks</i> , <b>2021</b> , 15, 11-17	1.8	4
92	A UN Specialized Agency for the Environment. <i>Environmental Policy and Law</i> , <b>2021</b> , 51, 111-120	0.4	
91	Data management and internet of things : A methodological review in smart farming. <i>Internet of Things (Netherlands)</i> , <b>2021</b> , 14, 100378	6.9	12
90	Farm Animals Behaviors and Welfare Analysis with IA Algorithms: A Review. <i>Revue D'intelligence Artificielle</i> , <b>2021</b> , 35, 243-253	2.1	3
89	Wheat varieties identification based on a deep learning approach. <i>Journal of the Saudi Society of Agricultural Sciences</i> , <b>2021</b> , 20, 281-289	3.3	5
88	A new Kappa Architecture for IoT Data Management in Smart Farming. <i>Procedia Computer Science</i> , <b>2021</b> , 191, 17-24	1.6	2
87	RevoCampus: a Distributed Open Source and Low-cost Smart Campus <b>2020</b> ,		7
86	Smart Nest Box: IoT Based Nest Monitoring In Artificial Cavities <b>2020</b> ,		6
85	Multimedia processing using deep learning technologies, high-performance computing cloud resources, and Big Data volumes. <i>Concurrency Computation Practice and Experience</i> , <b>2020</b> , 32, e5699	1.4	3
84	Cloud architecture for plant phenotyping research. <i>Concurrency Computation Practice and Experience</i> , <b>2020</b> , 32, e5661	1.4	8
83	Big Data Storage and Analysis for Smart Farming <b>2020</b> ,		1
82	Open Phytotron: A New IoT Device for Home Gardening <b>2020</b> ,		7

81	Internet of Things Learning: a Practical Case for Smart Building automation <b>2020</b> ,		5
80	Edge Computing for Cattle Behavior Analysis <b>2020</b> ,		9
79	Edge Computing and Artificial Intelligence Semantically Driven. Application to a Climatic Enclosure. <i>Procedia Computer Science</i> , <b>2020</b> , 175, 542-547	1.6	11
78	Edge AI-IoT Pivot Irrigation, Plant Diseases, and Pests Identification. <i>Procedia Computer Science</i> , <b>2020</b> , 177, 40-48	1.6	12
77	Edge Computing and Artificial Intelligence for Landslides Monitoring. <i>Procedia Computer Science</i> , <b>2020</b> , 177, 480-487	1.6	8
76	Edge Computing and Artificial Intelligence for Real-time Poultry Monitoring. <i>Procedia Computer Science</i> , <b>2020</b> , 175, 534-541	1.6	19
75	A new Edge Architecture for AI-IoT services deployment. <i>Procedia Computer Science</i> , <b>2020</b> , 175, 10-19	1.6	22
74	Fog computing framework for location-based energy management in smart buildings. <i>Multiagent and Grid Systems</i> , <b>2019</b> , 15, 39-56	0.5	10
73	A New Parallel and Distributed Approach for Large Scale Images Retrieval. <i>Lecture Notes in Networks and Systems</i> , <b>2019</b> , 185-201	0.5	1
72	Cloud services integration for farm animals behavior studies based on smartphones as activity sensors. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2019</b> , 10, 4651-4662	3.7	20
71	Cloud-Based Image Retrieval Using GPU Platforms. <i>Computers</i> , <b>2019</b> , 8, 48	1.9	2
70	Fog IoT for Health: A new Architecture for Patients and Elderly Monitoring.. <i>Procedia Computer Science</i> , <b>2019</b> , 160, 289-297	1.6	37
69	Deep interpretable architecture for plant diseases classification <b>2019</b> ,		16
68	Towards a smart selection of resources in the cloud for low-energy multimedia processing. <i>Concurrency Computation Practice and Experience</i> , <b>2018</b> , 30, e4372	1.4	9
67	Web Monitoring of Bee Health for Researchers and Beekeepers Based on the Internet of Things. <i>Procedia Computer Science</i> , <b>2018</b> , 130, 991-998	1.6	34
66	Use of Armed Force against Suspected Foreign Submarines in the Swedish Internal Waters and Territorial Sea. <i>International Journal of Marine and Coastal Law</i> , <b>2018</b> , 33, 585-599	0.8	
65	A Texture Analysis Approach for Spine Metastasis Classification in T1 and T2 MRI. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 198-211	0.9	3
64	Monitoring System Using Internet of Things For Potential Landslides. <i>Procedia Computer Science</i> , <b>2018</b> , 134, 26-34	1.6	39

63	Cloud Platform using Big Data and HPC Technologies for Distributed and Parallels Treatments. <i>Procedia Computer Science</i> , <b>2018</b> , 141, 112-118	1.6	6
62	Internet of Things: learning and practices. Application to Smart City <b>2018</b> ,		9
61	A Set of Texture-Based Methods for Breast Cancer Response Prediction in Neoadjuvant Chemotherapy Treatment <b>2018</b> , 137-147		1
60	Internet of Things: Learning and practices. Application to smart home <b>2018</b> ,		10
59	<b>2018</b> ,		16
58	PCA as Dimensionality Reduction for Large-Scale Image Retrieval Systems. <i>International Journal of Ambient Computing and Intelligence</i> , <b>2017</b> , 8, 45-58	2.7	27
57	Quadruplet Networks for Sketch-Based Image Retrieval <b>2017</b> ,		15
56	Web-based cattle behavior service for researchers based on the smartphone inertial central. <i>Procedia Computer Science</i> , <b>2017</b> , 110, 110-116	1.6	21
55	DeepSketch 3. <i>Multimedia Tools and Applications</i> , <b>2017</b> , 76, 22333-22359	2.5	13
54	Web-based multimedia research and indexation for big data databases <b>2017</b> ,		1
53	Cloud architecture for digital phenotyping and automation <b>2017</b> ,		13
52	Towards Good Practices for Image Retrieval Based on CNN Features <b>2017</b> ,		21
51	Triplet Networks Feature Masking for Sketch-Based Image Retrieval. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 296-303	0.9	1
50	Improving Performances of an Embedded Relational Database Management System with a Hybrid CPU/GPU Processing Engine. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 160-177	0.3	
49	Towards a distributed and parallel schema for active appearance model implementation. <i>International Journal of Computational Vision and Robotics</i> , <b>2016</b> , 6, 19	0.7	0
48	DeepSketch2Image <b>2016</b> ,		4
47	A new decision support model for preanesthetic evaluation. <i>Computer Methods and Programs in Biomedicine</i> , <b>2016</b> , 133, 183-193	6.9	14
46	Indexing Video by the Content. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 21-33	0.4	4

45	Efficiency of GPUs for Relational Database Engine Processing. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 226-233	0.9	
44	DeepSketch 2: Deep convolutional neural networks for partial sketch recognition <b>2016</b> ,		8
43	A fully automatic cardiac segmentation method using region growing technique <b>2016</b> ,		2
42	Breast Cancer Response Prediction in Neoadjuvant Chemotherapy Treatment Based on Texture Analysis. <i>Procedia Computer Science</i> , <b>2016</b> , 100, 812-817	1.6	5
41	RANDOM FOREST BASED CLASSIFICATION OF MEDICAL X-RAY IMAGES USING A GENETIC ALGORITHM FOR FEATURE SELECTION. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2015</b> , 15, 1540025 <sup>0.7</sup>		9
40	DeepSketch: Deep convolutional neural networks for sketch recognition and similarity search <b>2015</b> ,		25
39	Benchmark for Algorithms Segmenting the Left Atrium From 3D CT and MRI Datasets. <i>IEEE Transactions on Medical Imaging</i> , <b>2015</b> , 34, 1460-1473	11.7	96
38	Vertebra identification using template matching modelmp and K-means clustering. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2014</b> , 9, 177-87	3.9	25
37	A Portable Multi-CPU/Multi-GPU Based Vertebra Localization in Sagittal MR Images. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 209-218	0.9	6
36	Automatic Segmentation of the Left Atrium on CT Images. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 14-23.9		5
35	Toward an Automatic Left Atrium Localization Based on Shape Descriptors and Prior Knowledge. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 42-48	0.9	2
34	Machine Learning Tool for Automatic ASA Detection. <i>Studies in Computational Intelligence</i> , <b>2013</b> , 9-16	0.8	2
33	A New Computer Aided Diagnosis System for Pre-Anesthesia Consultation. <i>Journal of Medical Imaging and Health Informatics</i> , <b>2013</b> , 3, 471-479	1.2	2
32	Three-dimensional spine model reconstruction using one-class SVM regularization. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2013</b> , 60, 3256-64	5	8
31	Using Global Shape Descriptors for Content Medical-Based Image Retrieval <b>2013</b> , 492-502		1
30	A Reflexion on Implementation Version for Active Appearance Model. <i>International Journal of Computer Vision and Image Processing</i> , <b>2013</b> , 3, 16-30	0.7	0
29	Cervical spine mobility analysis on radiographs: a fully automatic approach. <i>Computerized Medical Imaging and Graphics</i> , <b>2012</b> , 36, 634-42	7.6	6
28	Semi-automatic detection of cervical vertebrae in X-ray images using generalized hough transform <b>2012</b> ,		15

27	An Ontology for video human movement representation based on Benesh notation <b>2012</b> ,		4
26	Descriptive Image Feature for Object Detection in Medical Images. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 331-338	0.9	4
25	Endocardial border detection in cardiac magnetic resonance images using level set method. <i>Journal of Digital Imaging</i> , <b>2012</b> , 25, 294-306	5.3	15
24	Fully automatic vertebra detection in x-ray images based on multi-class SVM <b>2012</b> ,		17
23	Semantic analysis of human movements in videos <b>2012</b> ,		3
22	Multilevel statistical shape models: A new framework for modeling hierarchical structures <b>2012</b> ,		8
21	AUTOMATIC SEGMENTATION OF CARDIAC MAGNETIC RESONANCE IMAGES USING ACTIVE APPEARANCE MODELS AND HAUSDORFF DISTANCE. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2012</b> , 12, 1250059	0.7	1
20	Fast 3D spine reconstruction of postoperative patients using a multilevel statistical model. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 15, 446-53	0.9	11
19	Heterogeneous computing for vertebra detection and segmentation in x-ray images. <i>International Journal of Biomedical Imaging</i> , <b>2011</b> , 2011, 640208	5.2	21
18	A framework of vertebra segmentation using the active shape model-based approach. <i>International Journal of Biomedical Imaging</i> , <b>2011</b> , 2011, 621905	5.2	26
17	3D Objects Retrieval Using Curvature Scale Space and Zernike Moments. <i>Journal of Pattern Recognition Research</i> , <b>2011</b> , 6, 75-95		5
16	Points of interest detection in cervical spine radiographs by polygonal approximation <b>2010</b> ,		2
15	GPU-based segmentation of cervical vertebra in X-Ray images <b>2010</b> ,		18
14	Spine localization in X-ray images using interest point detection. <i>Journal of Digital Imaging</i> , <b>2009</b> , 22, 309-18	5.3	26
13	X-ray image segmentation for vertebral mobility analysis. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2008</b> , 2, 371-383	3.9	12
12	A New Approach for Cervical Vertebrae Segmentation <b>2007</b> , 753-762		3
11	A probabilistic approach for 3D shape retrieval by characteristic views. <i>Pattern Recognition Letters</i> , <b>2007</b> , 28, 1705-1718	4.7	13
10	Corner Points Detection for Vertebral Mobility Analysis <b>2007</b> ,		2

9	A model-based vertebral segmentation method using GVF and ASM <b>2007</b> ,		2
8	Mobility Estimation and Analysis in Medical X-ray Images Using Corners and Faces Contours Detection <b>2007</b> ,		2
7	Spine localization and vertebral mobility analysis using faces contours detection. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2007</b> , 2007, 6558-61		1
6	Vertebra Edge Detection Using Polar Signature <b>2006</b> ,		4
5	The Islamic Perception of the Use of Force in the Contemporary World. <i>Journal of the History of International Law</i> , <b>2005</b> , 7, 55-68	0.1	9
4	Legal protection of the Persian Gulf's marine environment. <i>Marine Policy</i> , <b>1997</b> , 21, 53-62	3.5	10
3	Semi-Automatic Vertebra Segmentation 110-124		
2	Single node deep learning frameworks: Comparative study and CPU/GPU performance analysis. <i>Concurrency Computation Practice and Experience</i> , e6730	1.4	0
1	A Bayesian framework for 3D models retrieval based on characteristic views		6