Jose Santamaria

List of Publications by Year
in descending order

53 papers	3,576 citations	361296 20 h-index	315616 38 g-index
53 all docs	53 docs citations	53 times ranked	1551 citing authors

#	Article	IF	Citations
1	Review of deep learning: concepts, CNN architectures, challenges, applications, future directions. Journal of Big Data, 2021, 8, 53.	6.9	2,200
2	Towards a Better Understanding of Transfer Learning for Medical Imaging: A Case Study. Applied Sciences (Switzerland), 2020, 10, 4523.	1.3	133
3	Novel Transfer Learning Approach for Medical Imaging with Limited Labeled Data. Cancers, 2021, 13, 1590.	1.7	127
4	A fast and accurate approach for 3D image registration using the scatter search evolutionary algorithm. Pattern Recognition Letters, 2006, 27, 1191-1200.	2.6	110
5	Medical Image Registration Using Evolutionary Computation: An Experimental Survey. IEEE Computational Intelligence Magazine, 2011, 6, 26-42.	3.4	78
6	A comparative study of state-of-the-art evolutionary image registration methods for 3D modeling. Computer Vision and Image Understanding, 2011, 115, 1340-1354.	3.0	78
7	Performance evaluation of memetic approaches in 3D reconstruction of forensic objects. Soft Computing, 2009, 13, 883-904.	2.1	73
8	Feature-based image registration by means of the CHC evolutionary algorithm. Image and Vision Computing, 2006, 24, 525-533.	2.7	55
9	Forensic identification by computer-aided craniofacial superimposition. ACM Computing Surveys, 2011, 43, 1-27.	16.1	54
10	An experimental study on the applicability of evolutionary algorithms to craniofacial superimposition in forensic identification. Information Sciences, 2009, 179, 3998-4028.	4.0	51
11	A new variant of the Pathfinder algorithm to generate large visual science maps in cubic time. Information Processing and Management, 2008, 44, 1611-1623.	5.4	44
12	A scatter search-based technique for pair-wise 3D range image registration in forensic anthropology. Soft Computing, 2007, 11, 819-828.	2.1	41
13	Intensity-based image registration using scatter search. Artificial Intelligence in Medicine, 2014, 60, 151-163.	3.8	38
14	IoT and Cloud Computing in Health-Care: A New Wearable Device and Cloud-Based Deep Learning Algorithm for Monitoring of Diabetes. Electronics (Switzerland), 2021, 10, 2719.	1.8	33
15	Modeling the Skull–Face Overlay Uncertainty Using Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2011, 19, 946-959.	6.5	32
16	A comparative study on the application of advanced bacterial foraging models to image registration. Information Sciences, 2015, 295, 160-181.	4.0	32
17	A Comprehensive Review on Seismocardiogram: Current Advancements on Acquisition, Annotation, and Applications. Mathematics, 2021, 9, 2243.	1.1	30
18	Scatter Search for the Point-Matching Problem in 3D Image Registration. INFORMS Journal on Computing, 2008, 20, 55-68.	1.0	28

#	ARTICLE	IF	CITATIONS
19	Knowledge representation for diagnosis of care problems through an expert system: Model of the auto-care deficit situations. Expert Systems With Applications, 2008, 34, 2847-2857.	4.4	26
20	Robust application of new deep learning tools: an experimental study in medical imaging. Multimedia Tools and Applications, 2022, 81, 13289-13317.	2.6	24
21	Evolutionary Intensity-based Medical Image Registration: A Review. Current Medical Imaging, 2014, 9, 283-297.	0.4	24
22	Deepening into the suitability of using pre-trained models of ImageNet against a lightweight convolutional neural network in medical imaging: an experimental study. PeerJ Computer Science, 2021, 7, e715.	2.7	23
23	A case study of innovative population-based algorithms in 3D modeling: Artificial bee colony, biogeography-based optimization, harmony search. Expert Systems With Applications, 2014, 41, 1750-1762.	4.4	21
24	Self-adaptive evolutionary image registration using differential evolution and artificial immune systems. Pattern Recognition Letters, 2012, 33, 2065-2070.	2.6	20
25	Self-Adaptive Evolution Toward New Parameter Free Image Registration Methods. IEEE Transactions on Evolutionary Computation, 2013, 17, 545-557.	7.5	19
26	An advanced scatter search design for skull-face overlay in craniofacial superimposition. Expert Systems With Applications, 2012, 39, 1459-1473.	4.4	16
27	Quality time-of-flight range imaging for feature-based registration using bacterial foraging. Applied Soft Computing Journal, 2013, 13, 3178-3189.	4.1	16
28	Genetic algorithms for Voxel-based medical image registration. , 2013, , .		15
29	A CHC Evolutionary Algorithm for 3D Image Registration. Lecture Notes in Computer Science, 2003, , 404-411.	1.0	15
30	Face Recognition Based on Deep Learning and FPGA for Ethnicity Identification. Applied Sciences (Switzerland), 2022, 12, 2605.	1.3	15
31	An image registration approach using genetic algorithms. , 2012, , .		12
32	GRASP and path relinking hybridizations for the point matching-based image registration problem. Journal of Heuristics, 2012, 18, 169-192.	1.1	12
33	An Overview on the Latest Nature-Inspired and Metaheuristics-Based Image Registration Algorithms. Applied Sciences (Switzerland), 2020, 10, 1928.	1.3	12
34	Craniofacial Superimposition in Forensic Identification using Genetic Algorithms. , 2007, , .		10
35	Evolutionary medical image registration using automatic parameter tuning. , 2013, , .		10
36	Tackling the coplanarity problem in 3D camera calibration by means of fuzzy landmarks: a performance study in forensic craniofacial superimposition. , 2009, , .		7

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37	Evolutionary Approaches for Automatic 3D Modeling of Skulls in Forensic Identification. , 2007, , 415-422.		7
38	Craniofacial Superimposition Based on Genetic Algorithms and Fuzzy Location of Cephalometric Landmarks. Lecture Notes in Computer Science, 2008, , 599-607.	1.0	7
39	Blind and Secured Adaptive Digital Image Watermarking Approach for High Imperceptibility and Robustness. Entropy, 2021, 23, 1650.	1.1	7
40	Automatic 3D Modeling of Skulls by Scatter Search and Heuristic Features. Advances in Soft Computing, 2009, , 149-158.	0.4	4
41	A Scatter Search Algorithm for the 3D Image Registration Problem. Lecture Notes in Computer Science, 2004, , 471-480.	1.0	3
42	3D Inter-subject Medical Image Registration by Scatter Search. Lecture Notes in Computer Science, 2005, , 90-103.	1.0	3
43	Automatic Feature Extraction from 3D Range Images of Skulls. Lecture Notes in Computer Science, 2008, , 58-69.	1.0	2
44	Multimodal Genetic Algorithms for Craniofacial Superimposition. , 0, , 119-143.		2
45	A Scatter Search-based Optimizer for the Registration of 3D Surfaces. , 0, , .		1
46	3D Forensic Model Reconstruction by Scatter Search-based Pair-wise Image Registration. , 2006, , .		1
47	Craniofacial Superimposition in Forensic Identification using Genetic Algorithms. , 2007, , .		1
48	3D-2D image registration for craniofacial superimposition in forensic medicine using covariance matrix adaptation evolution strategy. , 2009, , .		1
49	GRASP & evolutionary path relinking for medical image registration based on point matching. , 2010, , .		1
50	Evaluation of various evolutionary methods for medical image registration. , 2011, , .		1
51	New Application of 3D VFH Descriptors in Archaeological Categorization: A Case Study. Advances in Intelligent Systems and Computing, 2018, , 229-236.	0.5	1
52	Automatic 3D skull reconstruction using invariant features. , 2008, , .		0
53	A Study of the Suitability of Evolutionary Computation in 3D Modeling of Forensic Remains. Lecture Notes in Computer Science, 2011, , 293-302.	1.0	0