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	Robust application of new deep learning tools: an experimental study in medical imaging. Multimedia Tools and Applications, 2022, 81, 13289-13317.	2.6	24
2	Face Recognition Based on Deep Learning and FPGA for Ethnicity Identification. Applied Sciences (Switzerland), 2022, 12, 2605.	1.3	15
3	Review of deep learning: concepts, CNN architectures, challenges, applications, future directions. Journal of Big Data, 2021, 8, 53.	6.9	2,200
4	Novel Transfer Learning Approach for Medical Imaging with Limited Labeled Data. Cancers, 2021, 13, 1590.	1.7	127
5	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
6	A Comprehensive Review on Seismocardiogram: Current Advancements on Acquisition, Annotation, and Applications. Mathematics, 2021, 9, 2243.	1.1	30
7	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
8	Blind and Secured Adaptive Digital Image Watermarking Approach for High Imperceptibility and Robustness. Entropy, 2021, 23, 1650.	1.1	7
9	An Overview on the Latest Nature-Inspired and Metaheuristics-Based Image Registration Algorithms. Applied Sciences (Switzerland), 2020, 10, 1928.	1.3	12
10	Towards a Better Understanding of Transfer Learning for Medical Imaging: A Case Study. Applied Sciences (Switzerland), 2020, 10, 4523.	1.3	133
11	New Application of 3D VFH Descriptors in Archaeological Categorization: A Case Study. Advances in Intelligent Systems and Computing, 2018, , 229-236.	0.5	1
12	A comparative study on the application of advanced bacterial foraging models to image registration. Information Sciences, 2015, 295, 160-181.	4.0	32
13	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
14	Intensity-based image registration using scatter search. Artificial Intelligence in Medicine, 2014, 60, 151-163.	3.8	38
15	Evolutionary Intensity-based Medical Image Registration: A Review. Current Medical Imaging, 2014, 9, 283-297.	0.4	24
16	Quality time-of-flight range imaging for feature-based registration using bacterial foraging. Applied Soft Computing Journal, 2013, 13, 3178-3189.	4.1	16
17	Genetic algorithms for Voxel-based medical image registration. , 2013, , .		15
18	Evolutionary medical image registration using automatic parameter tuning. , 2013, , .		10

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19	Self-Adaptive Evolution Toward New Parameter Free Image Registration Methods. IEEE Transactions on Evolutionary Computation, 2013, 17, 545-557.	7.5	19
20	An image registration approach using genetic algorithms. , 2012, , .		12
21	Self-adaptive evolutionary image registration using differential evolution and artificial immune systems. Pattern Recognition Letters, 2012, 33, 2065-2070.	2.6	20
22	An advanced scatter search design for skull-face overlay in craniofacial superimposition. Expert Systems With Applications, 2012, 39, 1459-1473.	4.4	16
23	GRASP and path relinking hybridizations for the point matching-based image registration problem. Journal of Heuristics, 2012, 18, 169-192.	1.1	12
24	Evaluation of various evolutionary methods for medical image registration. , 2011, , .		1
25	Medical Image Registration Using Evolutionary Computation: An Experimental Survey. IEEE Computational Intelligence Magazine, 2011, 6, 26-42.	3.4	78
26	Modeling the Skull–Face Overlay Uncertainty Using Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2011, 19, 946-959.	6.5	32
27	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
28	Forensic identification by computer-aided craniofacial superimposition. ACM Computing Surveys, 2011, 43, 1-27.	16.1	54
29	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
30	GRASP & evolutionary path relinking for medical image registration based on point matching. , 2010, , .		1
31	Tackling the coplanarity problem in 3D camera calibration by means of fuzzy landmarks: a performance study in forensic craniofacial superimposition. , 2009, , .		7
32	Performance evaluation of memetic approaches in 3D reconstruction of forensic objects. Soft Computing, 2009, 13, 883-904.	2.1	73
33	An experimental study on the applicability of evolutionary algorithms to craniofacial superimposition in forensic identification. Information Sciences, 2009, 179, 3998-4028.	4.0	51
34	3D-2D image registration for craniofacial superimposition in forensic medicine using covariance matrix adaptation evolution strategy. , 2009, , .		1
35	Automatic 3D Modeling of Skulls by Scatter Search and Heuristic Features. Advances in Soft Computing, 2009, , 149-158.	0.4	4
36	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

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37	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
38	Scatter Search for the Point-Matching Problem in 3D Image Registration. INFORMS Journal on Computing, 2008, 20, 55-68.	1.0	28
39	Automatic 3D skull reconstruction using invariant features. , 2008, , .		0
40	Automatic Feature Extraction from 3D Range Images of Skulls. Lecture Notes in Computer Science, 2008, , 58-69.	1.0	2
41	Craniofacial Superimposition Based on Genetic Algorithms and Fuzzy Location of Cephalometric Landmarks. Lecture Notes in Computer Science, 2008, , 599-607.	1.0	7
42	Craniofacial Superimposition in Forensic Identification using Genetic Algorithms. , 2007, , .		1
43	Craniofacial Superimposition in Forensic Identification using Genetic Algorithms. , 2007, , .		10
44	A scatter search-based technique for pair-wise 3D range image registration in forensic anthropology. Soft Computing, 2007, 11, 819-828.	2.1	41
45	Evolutionary Approaches for Automatic 3D Modeling of Skulls in Forensic Identification. , 2007, , 415-422.		7
46	Feature-based image registration by means of the CHC evolutionary algorithm. Image and Vision Computing, 2006, 24, 525-533.	2.7	55
47	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
48	3D Forensic Model Reconstruction by Scatter Search-based Pair-wise Image Registration. , 2006, , .		1
49	3D Inter-subject Medical Image Registration by Scatter Search. Lecture Notes in Computer Science, 2005, , 90-103.	1.0	3
50	A Scatter Search Algorithm for the 3D Image Registration Problem. Lecture Notes in Computer Science, 2004, , 471-480.	1.0	3
51	A CHC Evolutionary Algorithm for 3D Image Registration. Lecture Notes in Computer Science, 2003, , 404-411.	1.0	15
52	A Scatter Search-based Optimizer for the Registration of 3D Surfaces. , 0, , .		1
53	Multimodal Genetic Algorithms for Craniofacial Superimposition. , 0, , 119-143.		2