

Sergio Damas

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

1,804
citations

201575

27
h-index

302012

39
g-index

97
all docs

97
docs citations

97
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic 3D rock reconstruction using GANs. , 2021, , .		0
2	Forensic Identification by Craniofacial Superimposition Using Fuzzy Set Theory. Studies in Fuzziness and Soft Computing, 2021, , 231-242.	0.6	0
3	Handbook on Craniofacial Superimposition. , 2020, , .		12
4	Embracing multimodal optimization to enhance Dynamic Energy Budget parameterization. Ecological Modelling, 2020, 431, 109139.	1.2	4
5	Stochastic reconstruction of 3D porous media from 2D images using generative adversarial networks. Neurocomputing, 2020, 399, 227-236.	3.5	39
6	Experimental Study of Craniofacial Superimposition Methodologies, Tools, and Criteria. , 2020, , 105-138.		0
7	Introduction to Craniofacial Superimposition. , 2020, , 1-4.		1
8	Importance of Craniofacial Superimposition in Forensic Identification: Historical Perspective. , 2020, , 5-9.		0
9	Craniofacial Superimposition Techniques. , 2020, , 51-84.		0
10	A Robust and Efficient Method for Skull-Face Overlay in Computerized Craniofacial Superimposition. IEEE Transactions on Information Forensics and Security, 2018, 13, 1960-1974.	4.5	12
11	Coral Reef Optimization with substrate layers for medical Image Registration. Swarm and Evolutionary Computation, 2018, 42, 138-159.	4.5	40
12	moGrams: A Network-Based Methodology for Visualizing the Set of Nondominated Solutions in Multiobjective Optimization. IEEE Transactions on Cybernetics, 2018, 48, 474-485.	6.2	8
13	Metaheuristics for Medical Image Registration. , 2018, , 1079-1101.		3
14	Mono-modal Medical Image Registration with Coral Reef Optimization. Lecture Notes in Computer Science, 2018, , 222-234.	1.0	0
15	New Application of 3D VFH Descriptors in Archaeological Categorization: A Case Study. Advances in Intelligent Systems and Computing, 2018, , 229-236.	0.5	1
16	Genetic algorithms for skull-face overlay including mandible articulation. Information Sciences, 2017, 420, 200-217.	4.0	12
17	An evolutionary trust game for the sharing economy. , 2017, , .		12
18	Multimodal optimization: An effective framework for model calibration. Information Sciences, 2017, 375, 79-97.	4.0	30

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19	A first approach to a fuzzy classification system for age estimation based on the pubic bone. , 2017, , .		2
20	Study on the criteria for assessing skull-face correspondence in craniofacial superimposition. Legal Medicine, 2016, 23, 59-70.	0.6	12
21	Identimod: Modeling and managing brand value using soft computing. Decision Support Systems, 2016, 89, 41-55.	3.5	12
22	MEPROCS framework for Craniofacial Superimposition: Validation study. Legal Medicine, 2016, 23, 99-108.	0.6	8
23	A multiobjective model and evolutionary algorithms for robust time and space assembly line balancing under uncertain demand. Omega, 2016, 58, 55-68.	3.6	60
24	Metaheuristics for Medical Image Registration. , 2016, , 1-22.		2
25	Bacterial Foraging Optimization for intensity-based medical image registration. , 2015, , .		5
26	Study on the performance of different craniofacial superimposition approaches (I). Forensic Science International, 2015, 257, 496-503.	1.3	17
27	Adaptive IDEA for Robust Multiobjective Optimization, Application to the r-TSALBP-m/A. , 2015, , .		0
28	A comparative study on the application of advanced bacterial foraging models to image registration. Information Sciences, 2015, 295, 160-181.	4.0	32
29	Study on the performance of different craniofacial superimposition approaches (II): Best practices proposal. Forensic Science International, 2015, 257, 504-508.	1.3	30
30	Modeling Facial Soft Tissue Thickness for Automatic Skull-Face Overlay. IEEE Transactions on Information Forensics and Security, 2015, 10, 2057-2070.	4.5	20
31	Biomedical image segmentation using geometric deformable models and metaheuristics. Computerized Medical Imaging and Graphics, 2015, 43, 167-178.	3.5	48
32	Interactive preferences in multiobjective ant colony optimisation for assembly line balancing. Soft Computing, 2015, 19, 2891-2903.	2.1	14
33	Dispersion assessment in the location of facial landmarks on photographs. International Journal of Legal Medicine, 2015, 129, 227-236.	1.2	41
34	Detecting Key Variables in System Dynamics Modelling by Using Social Network Metrics. Lecture Notes in Economics and Mathematical Systems, 2015, , 207-217.	0.3	5
35	Automatic evolutionary medical image segmentation using deformable models. , 2014, , .		2
36	Computer-based craniofacial superimposition in forensic identification using soft computing. Journal of Ambient Intelligence and Humanized Computing, 2014, 5, 683-697.	3.3	4

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37	Computer vision and soft computing for automatic skull-face overlay in craniofacial superimposition. <i>Forensic Science International</i> , 2014, 245, 77-86.	1.3	27
38	A case study of innovative population-based algorithms in 3D modeling: Artificial bee colony, biogeography-based optimization, harmony search. <i>Expert Systems With Applications</i> , 2014, 41, 1750-1762.	4.4	21
39	Intensity-based image registration using scatter search. <i>Artificial Intelligence in Medicine</i> , 2014, 60, 151-163.	3.8	38
40	Evolutionary Intensity-based Medical Image Registration: A Review. <i>Current Medical Imaging</i> , 2014, 9, 283-297.	0.4	24
41	Quality time-of-flight range imaging for feature-based registration using bacterial foraging. <i>Applied Soft Computing Journal</i> , 2013, 13, 3178-3189.	4.1	16
42	A comparative study of Multi-Objective Ant Colony Optimization algorithms for the Time and Space Assembly Line Balancing Problem. <i>Applied Soft Computing Journal</i> , 2013, 13, 4370-4382.	4.1	45
43	Genetic algorithms for Voxel-based medical image registration. , 2013, , .		15
44	Evolutionary medical image registration using automatic parameter tuning. , 2013, , .		10
45	A robustness information and visualization model for time and space assembly line balancing under uncertain demand. <i>International Journal of Production Economics</i> , 2013, 145, 761-772.	5.1	36
46	Self-Adaptive Evolution Toward New Parameter Free Image Registration Methods. <i>IEEE Transactions on Evolutionary Computation</i> , 2013, 17, 545-557.	7.5	19
47	Evolutionary multi-objective optimization for mesh simplification of 3D open models. <i>Integrated Computer-Aided Engineering</i> , 2013, 20, 375-390.	2.5	46
48	Special Issue on Computational Intelligence in Computer Vision and Image Processing [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , 2013, 8, 14-15.	3.4	3
49	Mesh simplification for 3D modeling using evolutionary multi-objective optimization. , 2012, , .		3
50	An image registration approach using genetic algorithms. , 2012, , .		12
51	Self-adaptive evolutionary image registration using differential evolution and artificial immune systems. <i>Pattern Recognition Letters</i> , 2012, 33, 2065-2070.	2.6	20
52	A cooperative coevolutionary approach dealing with the skull-face overlay uncertainty in forensic identification by craniofacial superimposition. <i>Soft Computing</i> , 2012, 16, 797-808.	2.1	25
53	Multiobjective memetic algorithms for time and space assembly line balancing. <i>Engineering Applications of Artificial Intelligence</i> , 2012, 25, 254-273.	4.3	34
54	An advanced scatter search design for skull-face overlay in craniofacial superimposition. <i>Expert Systems With Applications</i> , 2012, 39, 1459-1473.	4.4	16

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55	GRASP and path relinking hybridizations for the point matching-based image registration problem. Journal of Heuristics, 2012, 18, 169-192.	1.1	12
56	Evaluation of various evolutionary methods for medical image registration. , 2011, , .		1
57	Medical Image Registration Using Evolutionary Computation: An Experimental Survey. IEEE Computational Intelligence Magazine, 2011, 6, 26-42.	3.4	78
58	Modeling the Skull's Face Overlay Uncertainty Using Fuzzy Sets. IEEE Transactions on Fuzzy Systems, 2011, 19, 946-959.	6.5	32
59	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
60	A new diversity induction mechanism for a multi-objective ant colony algorithm to solve a real-world time and space assembly line balancing problem. Memetic Computing, 2011, 3, 15-24.	2.7	14
61	An advanced multiobjective genetic algorithm design for the time and space assembly line balancing problem. Computers and Industrial Engineering, 2011, 61, 103-117.	3.4	46
62	Including different kinds of preferences in a multi-objective ant algorithm for time and space assembly line balancing on different Nissan scenarios. Expert Systems With Applications, 2011, 38, 709-720.	4.4	34
63	A multiobjective memetic ant colony optimization algorithm for the 1/3 variant of the time and space assembly line balancing problem. , 2011, , .		2
64	Tackling the 1/3 variant of the time and space assembly line balancing problem by means of a multiobjective genetic algorithm. , 2011, , .		0
65	Forensic identification by computer-aided craniofacial superimposition. ACM Computing Surveys, 2011, 43, 1-27.	16.1	54
66	Two different approaches to handle landmark location uncertainty in skull-face overlay:coevolution vs fuzzy landmarks. , 2011, , .		0
67	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
68	Multiobjective constructive heuristics for the 1/3 variant of the time and space assembly line balancing problem: ACO and random greedy search. Information Sciences, 2010, 180, 3465-3487.	4.0	69
69	GRASP & evolutionary path relinking for medical image registration based on point matching. , 2010, , .		1
70	Adding Diversity to Two Multiobjective Constructive Metaheuristics for Time and Space Assembly Line Balancing. , 2010, , 211-226.		1
71	Adding diversity to a Multiobjective Ant Colony algorithm for time and Space Assembly Line Balancing. , 2009, , .		2
72	Performance evaluation of memetic approaches in 3D reconstruction of forensic objects. Soft Computing, 2009, 13, 883-904.	2.1	73

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73	Special issue on recent advances in soft computing in image processing. International Journal of Approximate Reasoning, 2009, 50, 1-2.	1.9	11
74	An experimental study on the applicability of evolutionary algorithms to craniofacial superimposition in forensic identification. Information Sciences, 2009, 179, 3998-4028.	4.0	51
75	Integration of an EMO-based preference elicitation scheme into a multi-objective ACO algorithm for time and Space Assembly Line Balancing. , 2009, , .		6
76	3D-2D image registration for craniofacial superimposition in forensic medicine using covariance matrix adaptation evolution strategy. , 2009, , .		1
77	Automatic 3D Modeling of Skulls by Scatter Search and Heuristic Features. Advances in Soft Computing, 2009, , 149-158.	0.4	4
78	A Review on the Application of Hybrid Artificial Intelligence Systems to Optimization Problems in Operations Management. Lecture Notes in Computer Science, 2009, , 360-367.	1.0	4
79	Scatter Search for the Point-Matching Problem in 3D Image Registration. INFORMS Journal on Computing, 2008, 20, 55-68.	1.0	28
80	Automatic 3D skull reconstruction using invariant features. , 2008, , .		0
81	Automatic Feature Extraction from 3D Range Images of Skulls. Lecture Notes in Computer Science, 2008, , 58-69.	1.0	2
82	Incorporating Preferences to a Multi-objective Ant Colony Algorithm for Time and Space Assembly Line Balancing. Lecture Notes in Computer Science, 2008, , 331-338.	1.0	5
83	Craniofacial Superimposition Based on Genetic Algorithms and Fuzzy Location of Cephalometric Landmarks. Lecture Notes in Computer Science, 2008, , 599-607.	1.0	7
84	Craniofacial Superimposition in Forensic Identification using Genetic Algorithms. , 2007, , .		10
85	A scatter search-based technique for pair-wise 3D range image registration in forensic anthropology. Soft Computing, 2007, 11, 819-828.	2.1	41
86	Evolutionary Approaches for Automatic 3D Modeling of Skulls in Forensic Identification. , 2007, , 415-422.		7
87	Feature-based image registration by means of the CHC evolutionary algorithm. Image and Vision Computing, 2006, 24, 525-533.	2.7	55
88	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
89	Image registration with iterated local search. Journal of Heuristics, 2006, 12, 73-94.	1.1	29
90	3D Forensic Model Reconstruction by Scatter Search-based Pair-wise Image Registration. , 2006, , .		1

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91	3D Inter-subject Medical Image Registration by Scatter Search. Lecture Notes in Computer Science, 2005, , 90-103.	1.0	3
92	A Scatter Search Algorithm for the 3D Image Registration Problem. Lecture Notes in Computer Science, 2004, , 471-480.	1.0	3
93	A CHC Evolutionary Algorithm for 3D Image Registration. Lecture Notes in Computer Science, 2003, , 404-411.	1.0	15
94	2D Image registration with iterated local search. , 2003, , 233-242.		2
95	Multimodal Genetic Algorithms for Craniofacial Superimposition. , 0, , 119-143.		2