

Monica Carfagni

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

706
citations

567281

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61
all docs

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docs citations

61
times ranked

779
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Possible Algorithms for Active Noise Control of Siren Noise into an Ambulance. Lecture Notes in Mechanical Engineering, 2022, , 630-640.	0.4	1
2	Preliminary Study of a High-Fidelity Simulator for the Management of Paediatric Tracheal Pathologies. Lecture Notes in Mechanical Engineering, 2022, , 773-784.	0.4	2
3	Recent Findings About the Novelty Metric of Shah. Lecture Notes in Mechanical Engineering, 2022, , 705-711.	0.4	0
4	A Rapid Prototyping Strategy for Manufacturing of Personalized Bolus. Lecture Notes in Mechanical Engineering, 2022, , 209-219.	0.4	0
5	Case Report: Three-Dimensional Printing Model for Surgical Planning of Left Ventricular Aneurysm: Evolution Toward Tailoring Surgery. Frontiers in Cardiovascular Medicine, 2022, 9, 852682.	2.4	1
6	3D-Printed Patient-Specific Casts for the Distal Radius in Children: Outcome and Pre-Market Survey. Materials, 2022, 15, 2863.	2.9	3
7	Reverse engineering by CAD template fitting: study of a fast and robust template-fitting strategy. Engineering With Computers, 2021, 37, 2803-2821.	6.1	2
8	A computer-aided strategy for preoperative simulation of autologous ear reconstruction procedure. International Journal on Interactive Design and Manufacturing, 2021, 15, 77-80.	2.2	3
9	Home physiotherapy rehabilitation based on RGB-D sensors: a hybrid approach to the joints angular range of motion estimation. International Journal on Interactive Design and Manufacturing, 2021, 15, 99-102.	2.2	2
10	A Fast and Reliable Optical 3D Scanning System for Human Arm. Lecture Notes in Mechanical Engineering, 2021, , 268-273.	0.4	5
11	Application of carbon nanotubesâ€‘based coating in the field of art conservation: the IMAT project and the development of new mild heat transfer technology. , 2021, , 81-133.		0
12	Usefulness of prototypes in conceptual design: studentsâ€™ view. International Journal on Interactive Design and Manufacturing, 2020, 14, 1305-1319.	2.2	9
13	CAD-based automatic modelling of customized cutting templates for Pectus Arcuatum surgical correction. , 2020, 2020, 6044-6048.		0
14	A Preliminary 3D Depth Camera-Based System to Assist Home Physiotherapy Rehabilitation. Lecture Notes in Mechanical Engineering, 2020, , 696-706.	0.4	3
15	Volumetric interpolation of tomographic sequences for accurate 3D reconstruction of anatomical parts. Computer Methods and Programs in Biomedicine, 2020, 194, 105525.	4.7	5
16	Shift-Compensated Volumetric Interpolation of Tomographic Sequences for Accurate 3D Reconstruction. IFMBE Proceedings, 2020, , 312-321.	0.3	0
17	CAD Reconstruction: A Study on Reverse Modelling Strategies. Lecture Notes in Mechanical Engineering, 2020, , 165-176.	0.4	0
18	Customized Cutting Template to Assist Sternotomy in Pectus Arcuatum. Annals of Thoracic Surgery, 2019, 107, 1253-1258.	1.3	12

#	ARTICLE	IF	CITATIONS
19	Metrological and Critical Characterization of the Intel D415 Stereo Depth Camera. <i>Sensors</i> , 2019, 19, 489.	3.8	72
20	Towards a CAD-based automatic procedure for patient specific cutting guides to assist sternal osteotomies in pectus arcuatum surgical correction. <i>Journal of Computational Design and Engineering</i> , 2019, 6, 118-127.	3.1	11
21	Automatic CAD Modeling of Ventilation Holes for 3D Printed Wrist Orthoses. <i>Computer-Aided Design and Applications</i> , 2019, 17, 325-336.	0.6	2
22	Design impact of acceptability and dependability in assisted living robotic applications. <i>International Journal on Interactive Design and Manufacturing</i> , 2018, 12, 1167-1178.	2.2	18
23	A Novel Objective Approach to the External Measurement of Pectus Excavatum Severity by Means of an Optical Device. <i>Annals of Thoracic Surgery</i> , 2018, 106, 221-227.	1.3	21
24	Simulation and design of active control systems for acoustic pulse noise. <i>International Journal on Interactive Design and Manufacturing</i> , 2018, 12, 573-584.	2.2	4
25	3D printing of cardiac structures from medical images: an overview of methods and interactive tools. <i>International Journal on Interactive Design and Manufacturing</i> , 2018, 12, 597-609.	2.2	17
26	A semi-automatic computer-aided method for personalized Vacuum Bell design. <i>Computer-Aided Design and Applications</i> , 2018, 15, 247-255.	0.6	7
27	Reverse engineering modeling methods and tools: a survey. <i>Computer-Aided Design and Applications</i> , 2018, 15, 443-464.	0.6	65
28	Application of wave field synthesis to active control of highly non-stationary noise. <i>Applied Acoustics</i> , 2018, 131, 220-229.	3.3	1
29	Reverse engineering of mechanical parts: A template-based approach. <i>Journal of Computational Design and Engineering</i> , 2018, 5, 145-159.	3.1	36
30	Original strategy for avoiding over-smoothing in SFS problem resolution. <i>International Journal of Computational Vision and Robotics</i> , 2018, 8, 58.	0.3	0
31	Surgery of complex craniofacial defects: A single-step AM-based methodology. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 165, 225-233.	4.7	24
32	On the Performance of the Intel SR300 Depth Camera: Metrological and Critical Characterization. <i>IEEE Sensors Journal</i> , 2017, 17, 4508-4519.	4.7	73
33	Fast and Low Cost Acquisition and Reconstruction System for Human Hand-wrist-arm Anatomy. <i>Procedia Manufacturing</i> , 2017, 11, 1600-1608.	1.9	23
34	Recent strategies for 3D reconstruction using Reverse Engineering: a bird's eye view. <i>Lecture Notes in Mechanical Engineering</i> , 2017, , 841-850.	0.4	8
35	Design of Active Noise Control Systems for Pulse Noise. <i>Lecture Notes in Mechanical Engineering</i> , 2017, , 621-630.	0.4	1
36	LIFE+2010 QUADMAP Project: a new methodology to select, analyze and manage Quiet Urban Areas defined by the European Directive 2002/49/EC. <i>Noise Mapping</i> , 2016, 3, .	1.8	9

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37	Are We Ready to Build a System for Assisting Blind People in Tactile Exploration of Bas-Reliefs?. Sensors, 2016, 16, 1361.	3.8	13
38	Carded Tow Real-Time Color Assessment: A Spectral Camera-Based System. Sensors, 2016, 16, 1404.	3.8	0
39	Active noise control for pulse signals by wave field synthesis. , 2016, , .		0
40	Reverse Engineering of Mechanical Parts: A Brief Overview of Existing Approaches and Possible New Strategies. , 2016, , .		5
41	LIFE+2008 HUSH project results: a new methodology and a new platform for implementing an integrated and harmonized noise Action Plan and proposals for updating Italian legislation and Environmental Noise Directive. Noise Mapping, 2016, 3, .	1.8	4
42	Towards the Development of a Novel CNTs-Based Flexible Mild Heater for Art Conservation. Nanomaterials and Nanotechnology, 2014, 4, 8.	3.0	7
43	Different Strategies for Rapid Prototyping of Digital Bas-Reliefs. Applied Mechanics and Materials, 2014, 510, 163-167.	0.2	2
44	From 2D to 2.5D i.e. from painting to tactile model. Graphical Models, 2014, 76, 706-723.	2.4	34
45	Digital Bas-Relief Design: a Novel Shape from Shading-Based Method. Computer-Aided Design and Applications, 2014, 11, 153-164.	0.6	16
46	Towards Automated and Objective Assessment of Fabric Pilling. International Journal of Advanced Robotic Systems, 2014, 11, 171.	2.1	9
47	A vane-motor automatic design procedure. International Journal on Interactive Design and Manufacturing, 2013, 7, 147-157.	2.2	6
48	Design and Assessment of a Machine Vision System for Automatic Vehicle Wheel Alignment. International Journal of Advanced Robotic Systems, 2013, 10, 242.	2.1	31
49	Tactile Representation of Paintings: An Early Assessment of Possible Computer Based Strategies. Lecture Notes in Computer Science, 2012, , 261-270.	1.3	15
50	IMAT Project: From Innovative Nanotechnology to Best Practices in Art Conservation. Lecture Notes in Computer Science, 2012, , 784-792.	1.3	4
51	Colour Mixing Modelling and Simulation: Optimization of Colour Recipe for Carded Fibres. Modelling and Simulation in Engineering, 2010, 2010, 1-9.	0.7	8
52	A New Methodology for Computer Aided Design of Fine Porcelain Whiteware. , 2008, , .		2
53	Artificial neural network software for real-time estimation of olive oil qualitative parameters during continuous extraction. Computers and Electronics in Agriculture, 2007, 55, 115-131.	7.7	26
54	Comfort assessment of motorcycle saddles: a methodology based on virtual prototypes. International Journal on Interactive Design and Manufacturing, 2007, 1, 155-167.	2.2	6

#	ARTICLE	IF	CITATIONS
55	A real-time machine-vision system for monitoring the textile raising process. Computers in Industry, 2005, 56, 831-842.	9.9	30
56	Model-based extraction of femoral medulla ducts from radiographic images. Image and Vision Computing, 2004, 22, 173-182.	4.5	7
57	A CAD Program for the Automated Checkout and Design of Belleville Springs. Journal of Mechanical Design, Transactions of the ASME, 2002, 124, 393-398.	2.9	13
58	Hippin: a semiautomatic computer program for selecting hip prosthesis femoral components. Computer Methods and Programs in Biomedicine, 2000, 63, 105-115.	4.7	13
59	Using force signals to monitor mechanical systems. Mechanical Systems and Signal Processing, 1989, 3, 111-122.	8.0	4