

# Stefania Marconi

## List of Publications by Citations

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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.

66

papers

852

citations

15

h-index

27

g-index

82

ext. papers

1,135

ext. citations

3.1

avg, IF

4.51

L-index

#	Paper	IF	Citations
66	Influence of meso-structure and chemical composition on FDM 3D-printed parts. <i>Composites Part B: Engineering</i> , <b>2017</b> , 113, 371-380	10	89
65	3D printing: clinical applications in orthopaedics and traumatology. <i>EFORT Open Reviews</i> , <b>2016</b> , 1, 121-127	5.75	89
64	Value of 3D printing for the comprehension of surgical anatomy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2017</b> , 31, 4102-4110	5.2	70
63	The clinical use of 3D printing in surgery. <i>Updates in Surgery</i> , <b>2018</b> , 70, 381-388	2.9	62
62	From CT scanning to 3-D printing technology for the preoperative planning in laparoscopic splenectomy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2016</b> , 30, 366-71	5.2	47
61	Patient-specific aortic endografting simulation: from diagnosis to prediction. <i>Computers in Biology and Medicine</i> , <b>2013</b> , 43, 386-94	7	46
60	Bioink Composition and Printing Parameters for 3D Modeling Neural Tissue. <i>Cells</i> , <b>2019</b> , 8,	7.9	30
59	An overview on 3D printing for abdominal surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2020</b> , 34, 1-13	5.2	30
58	3D-printed photo-spectroelectrochemical devices for in situ and in operando X-ray absorption spectroscopy investigation. <i>Journal of Synchrotron Radiation</i> , <b>2016</b> , 23, 622-8	2.4	25
57	3-D Printed Substrate Integrated Slab Waveguide for Single-Mode Bandwidth Enhancement. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2017</b> , 27, 536-538	2.6	24
56	Modular flow chamber for engineering bone marrow architecture and function. <i>Biomaterials</i> , <b>2017</b> , 146, 60-71	15.6	23
55	Shape memory response and hierarchical motion capabilities of 4D printed auxetic structures. <i>Mechanics Research Communications</i> , <b>2020</b> , 103, 103463	2.2	20
54	Qualitative Analysis of Traditional Italian Dishes: FTIR Approach. <i>Sustainability</i> , <b>2018</b> , 10, 4112	3.6	20
53	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 68, 1175-1184	4.1	18
52	New frontiers and emerging applications of 3D printing in ENT surgery: a systematic review of the literature. <i>Acta Otorhinolaryngologica Italica</i> , <b>2018</b> , 38, 286-303	2.8	17
51	From CT scanning to 3D printing technology: a new method for the preoperative planning of a transcutaneous bone-conduction hearing device. <i>Acta Otorhinolaryngologica Italica</i> , <b>2018</b> , 38, 251-256	2.8	15
50	Characterization of 3D-printed dielectric substrates with different infill for microwave applications <b>2016</b> ,		14

49	Sequential Motion of 4D Printed Photopolymers with Broad Glass Transition. <i>Macromolecular Materials and Engineering</i> , <b>2020</b> , 305, 1900370	3.9	14
48	An experimental investigation of the impact of thoracic endovascular aortic repair on longitudinal strain. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2016</b> , 50, 955-961	3	13
47	A compliant aortic model for in vitro simulations: Design and manufacturing process. <i>Medical Engineering and Physics</i> , <b>2018</b> , 59, 21-29	2.4	12
46	Flow-through micro-capillary refractive index sensor based on T/R spectral shift monitoring. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 4438-4453	3.5	11
45	Design of a Bioabsorbable Multilayered Patch for Esophagus Tissue Engineering. <i>Macromolecular Bioscience</i> , <b>2017</b> , 17, 1600426	5.5	10
44	Effectiveness of 3D printed models in the treatment of complex aortic diseases. <i>Journal of Cardiovascular Surgery</i> , <b>2018</b> , 59, 699-706	0.7	10
43	An Innovative and Integrated Food Research Approach: spectroscopy applications to milk and a case study of a milk-based dish <b>2018</b> , 5, 12-27		9
42	Left atrial appendage closure guided by 3D computed tomography printing technology: A case control study. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2019</b> , 13, 336-339	2.8	9
41	An innovative strategy for the identification and 3D reconstruction of pancreatic cancer from CT images. <i>Updates in Surgery</i> , <b>2016</b> , 68, 273-278	2.9	8
40	Toward the improvement of 3D-printed vessels' anatomical models for robotic surgery training. <i>International Journal of Artificial Organs</i> , <b>2019</b> , 42, 558-565	1.9	7
39	3D printing of aortic models as a teaching tool for improving understanding of aortic disease. <i>Journal of Cardiovascular Surgery</i> , <b>2019</b> , 60, 582-588	0.7	7
38	A novel insight into the role of entry tears in type B aortic dissection: pressure measurements in an in vitro model. <i>International Journal of Artificial Organs</i> , <b>2017</b> , 40, 563-574	1.9	6
37	Carbohydrates Components of Some Italian Local Landraces: Garlic ( <i>Allium sativum</i> L.). <i>Sustainability</i> , <b>2017</b> , 9, 1922	3.6	6
36	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 68, 4361-4368	4.1	6
35	Spatiotemporal Image Correlation Analysis for 3D Flow Field Mapping in Microfluidic Devices. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 2277-2284	7.8	5
34	Properties of CAD/CAM 3D Printing Dental Materials and Their Clinical Applications in Orthodontics: Where Are We Now?. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 551	2.6	5
33	3-D Printed Bandpass Filter Using Conical Posts Interlaced Vertically <b>2020</b> ,		5
32	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 69, 616-628	4.1	5

31	A 3D-printed patient-specific model to assist decision making in endovascular treatment of thoracoabdominal aortic aneurysm. <i>Journal of Cardiovascular Surgery</i> , <b>2018</b> , 59, 291-293	0.7	5
30	Hospital Factory for Manufacturing Customised, Patient-Specific 3D Anatomic-Functional Models and Prostheses <b>2019</b> , 233-254		4
29	3D printing and metalization methodology for high dielectric resonator waveguide microwave filters <b>2017</b> ,		4
28	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 2109-2113	3.8	4
27	3D-Printed Microfluidic Sensor in Substrate Integrated Waveguide Technology <b>2018</b> ,		4
26	Anisotropic Adapted Meshes for Image Segmentation: Application to Three-Dimensional Medical Data. <i>SIAM Journal on Imaging Sciences</i> , <b>2020</b> , 13, 2189-2212	1.9	3
25	Temperature-memory effect in 3D printed photopolymers with broad glass transition <b>2018</b> ,		3
24	A New Class of Doublet Based on Slotted Slant Ridge in Additive Manufacturing Technology <b>2019</b> ,		3
23	Impact of graphene reinforcement on mechanical properties of PLA 3D printed materials <b>2017</b> ,		3
22	Feasibility of 3D printed salivary duct models for sialendoscopic skills training: preliminary report. <i>European Archives of Oto-Rhino-Laryngology</i> , <b>2020</b> , 277, 909-915	3.5	3
21	Use of 3D printer for face mask production to protect endoscopy unit personnel in contact with high-risk patients during COVID-19 pandemic. <i>Endoscopy</i> , <b>2020</b> , 52, 1146-1147	3.4	3
20	Experimental and Numerical Evaluation of Mechanical Properties of 3D-Printed Stainless Steel 316L Lattice Structures. <i>Journal of Materials Engineering and Performance</i> , <b>2021</b> , 30, 5247-5251	1.6	3
19	Twelve-year Follow-up Post-Thoracic Endovascular Repair in Type B Aortic Dissection Shown by Three-dimensional Printing. <i>Annals of Vascular Surgery</i> , <b>2019</b> , 55, 309.e13-309.e19	1.7	3
18	Shape fidelity and sterility assessment of 3D printed polycaprolactone and hydroxyapatite scaffolds. <i>Journal of Polymer Research</i> , <b>2021</b> , 28, 1	2.7	3
17	Impact of thoracic endovascular aortic repair on radial strain in an ex vivo porcine model. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2017</b> , 51, 783-789	3	2
16	Antioxidant Properties of Four Commonly Consumed Popular Italian Dishes. <i>Molecules</i> , <b>2019</b> , 24,	4.8	2
15	3D Printing Technology for Buildings Accessibility: The Tactile Map for MTE Museum in Pavia. <i>Journal of Civil Engineering and Architecture</i> , <b>2017</b> , 11,	1.5	2
14	Reversed Auxiliary Flow to Reduce Embolism Risk During TAVI: A Computational Simulation and Experimental Study. <i>Cardiovascular Engineering and Technology</i> , <b>2019</b> , 10, 124-135	2.2	2

13	3D-printed pumpkin-shaped cavity resonator to determine the complex permittivity of liquids. <i>Microwave and Optical Technology Letters</i> , <b>2021</b> , 63, 1061-1066	1.2	2
12	Multidisciplinary preoperative simulations to optimize surgical outcomes in a challenging case of the complete double aortic arch in the adult. <i>Journal of Cardiac Surgery</i> , <b>2020</b> , 35, 716-720	1.3	1
11	Three-D-printed simulator for kidney transplantation. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2021</b> , 1	5.2	1
10	Vitamins and Minerals in Four Traditional Garlic Ecotypes ( <i>Allium sativum</i> L.) from Italy: An Example of Territorial Biodiversity. <i>Sustainability</i> , <b>2021</b> , 13, 7405	3.6	1
9	Different Strategies for the Additive Manufacturing of Slotted Slant Ridge Filtering Doublet <b>2019</b> ,		1
8	Additively Fabricated Air-Filled Waveguide Integrated With Printed Circuit Board Using a Through-Patch Transition. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2021</b> , 1-4	2.6	1
7	Wideband Microstrip to 3-D-Printed Air-Filled Waveguide Transition Using a Radiation Probe. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2022</b> , 1-4	2.6	1
6	Three-Dimensional Printed Models Can Help Settle Malpractice Litigation Over Surgical Interventions. <i>Annals of Vascular Surgery</i> , <b>2020</b> , 65, e292-e294	1.7	0
5	A novel quantitative analysis method for idiopathic epiretinal membrane. <i>PLoS ONE</i> , <b>2021</b> , 16, e02471923.7		0
4	Right coronary artery atresia in an athlete presenting with cardiac arrest: a case report. <i>Coronary Artery Disease</i> , <b>2022</b> , 31, 64-65	1.4	
3	3D printing technologies and materials in the medical field <b>2022</b> , 1-17		
2	Additive Manufacturing: Challenges and Opportunities for Structural Mechanics <b>2022</b> , 437-451		
1	Towards Surgical Training Phantoms Obtained by Additive Manufacturing: Mechanical Characterization of Abdominal and Pelvic Organs. A Literature Review. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , <b>2022</b> , 279-298	0.5	