

# Emanuela Marcelli

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

1,088  
citations

393982

19  
h-index

525886

27  
g-index

80  
all docs

80  
docs citations

80  
times ranked

1084  
citing authors

#	ARTICLE	IF	CITATIONS
1	Basal Cell Carcinoma: A Comprehensive Review. International Journal of Molecular Sciences, 2020, 21, 5572.	1.8	73
2	PEA I and PEA II based implantable haemodynamic monitor: pre clinical studies in sheep. Europace, 2002, 4, 49-54.	0.7	54
3	Accuracy of CAD/CAM mandibular reconstruction: A three-dimensional, fully virtual outcome evaluation method. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 1121-1125.	0.7	54
4	Validation of a peak endocardial acceleration-based algorithm to optimize cardiac resynchronization: early clinical results. Europace, 2008, 10, 801-808.	0.7	50
5	Real-time Augmented Reality Three-dimensional Guided Robotic Radical Prostatectomy: Preliminary Experience and Evaluation of the Impact on Surgical Planning. European Urology Focus, 2021, 7, 1260-1267.	1.6	38
6	Review on Augmented Reality in Oral and Cranio-Maxillofacial Surgery: Toward "Surgery-Specific" Head-Up Displays. IEEE Access, 2020, 8, 59015-59028.	2.6	36
7	Which patients with clinical localized renal mass would achieve the trifecta after partial nephrectomy? The impact of surgical technique. Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology, 2020, 72, 339-349.	3.9	36
8	Are macrophages involved in early myocardial reperfusion injury?. Annals of Thoracic Surgery, 2001, 71, 1596-1602.	0.7	33
9	Augmented Reality to Guide Selective Clamping and Tumor Dissection During Robot-assisted Partial Nephrectomy: A Preliminary Experience. Clinical Genitourinary Cancer, 2021, 19, e149-e155.	0.9	32
10	The Wearable VOSTARS System for Augmented Reality-Guided Surgery: Preclinical Phantom Evaluation for High-Precision Maxillofacial Tasks. Journal of Clinical Medicine, 2020, 9, 3562.	1.0	31
11	Combination of CAD/CAM and Augmented Reality in Free Fibula Bone Harvest. Plastic and Reconstructive Surgery - Global Open, 2019, 7, e2510.	0.3	30
12	The Impact of 3D Digital Reconstruction on the Surgical Planning of Partial Nephrectomy: A Case-control Study. Still Time for a Novel Surgical Trend?. Clinical Genitourinary Cancer, 2020, 18, e669-e678.	0.9	29
13	CathROB: A Highly Compact and Versatile Remote Catheter Navigation System. Applied Bionics and Biomechanics, 2017, 2017, 1-13.	0.5	26
14	The Use of Augmented Reality to Guide the Intraoperative Frozen Section During Robot-assisted Radical Prostatectomy. European Urology, 2021, 80, 480-488.	0.9	26
15	A novel telerobotic system to remotely navigate standard electrophysiology catheters. , 2008, , .		25
16	The Role of Simulation in Boosting the Learning Curve in EVAR Procedures. Journal of Surgical Education, 2018, 75, 534-540.	1.2	25
17	Navigation-guided resection of maxillary tumors: Can a new volumetric virtual planning method improve outcomes in terms of control of resection margins?. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 2240-2247.	0.7	25
18	Computer-assisted surgery for reconstruction of complex mandibular defects using osteomyocutaneous microvascular fibular free flaps: Use of a skin paddle-outlining guide for soft-tissue reconstruction. A technical report. Journal of Cranio-Maxillo-Facial Surgery, 2019, 47, 293-299.	0.7	25

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19	Three-dimensional digital reconstruction of renal model to guide preoperative planning of robot-assisted partial nephrectomy. <i>International Journal of Urology</i> , 2019, 26, 931-932.	0.5	22
20	First Experimental Evaluation of Cardiac Apex Rotation with an Epicardial Coriolis Force Sensor. <i>ASAIO Journal</i> , 2005, 51, 696-701.	0.9	21
21	How does <sup>68</sup> Ga-prostate-specific membrane antigen positron emission tomography/computed tomography impact the management of patients with prostate cancer recurrence after surgery?. <i>International Journal of Urology</i> , 2019, 26, 804-811.	0.5	21
22	Initial Experience With a Telerobotic System to Remotely Navigate and Automatically Reposition Standard Steerable EP Catheters. <i>ASAIO Journal</i> , 2007, 53, 523-529.	0.9	20
23	Peak Endocardial Acceleration Reflects Heart Contractility Also in Atrial Fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2000, 23, 1381-1385.	0.5	18
24	Augmented Reality to Assist Skin Paddle Harvesting in Osteomyocutaneous Fibular Flap Reconstructive Surgery: A Pilot Evaluation on a 3D-Printed Leg Phantom. <i>Frontiers in Oncology</i> , 2021, 11, 804748.	1.3	18
25	Pretreatment tumor volume and tumor sphericity as prognostic factors in patients with oral cavity squamous cell carcinoma. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019, 47, 510-515.	0.7	17
26	3D Reconstruction and physical renal model to improve percutaneous puncture during PNL. <i>International Braz J Urol: Official Journal of the Brazilian Society of Urology</i> , 2019, 45, 1281-1282.	0.7	17
27	AEducaAR, Anatomical Education in Augmented Reality: A Pilot Experience of an Innovative Educational Tool Combining AR Technology and 3D Printing. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1024.	1.2	17
28	Effect of Right Ventricular Pacing on Cardiac Apex Rotation Assessed by a Gyroscopic Sensor. <i>ASAIO Journal</i> , 2007, 53, 304-309.	0.9	15
29	Computational Finite Element Model of Cardiac Torsion. <i>International Journal of Artificial Organs</i> , 2011, 34, 44-53.	0.7	15
30	Percutaneous ablation or minimally invasive partial nephrectomy for cT1a renal masses? A propensity score-matched analysis. <i>International Journal of Urology</i> , 2022, 29, 222-228.	0.5	15
31	Augmented Reality-Assisted Periosteum Pedicled Flap Harvesting for Head and Neck Reconstruction: An Anatomical and Clinical Viability Study of a Galeo-Pericranial Flap. <i>Journal of Clinical Medicine</i> , 2020, 9, 2211.	1.0	14
32	Interpreting nephrometry scores with three-dimensional virtual modelling for better planning of robotic partial nephrectomy and predicting complications. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2021, 39, 836.e1-836.e9.	0.8	13
33	Multi-Sense CardioPatch: A Wearable Patch for Remote Monitoring of Electro-Mechanical Cardiac Activity. <i>ASAIO Journal</i> , 2017, 63, 73-79.	0.9	12
34	Effect of intermediate ZrO <sub>2</sub> -CaO coatings deposited by cold thermal spraying on the titanium-porcelain bond in dental restorations. <i>Journal of Prosthetic Dentistry</i> , 2014, 112, 1201-1211.	1.1	11
35	SacLab: A toolbox for saccade analysis to increase usability of eye tracking systems in clinical ophthalmology practice. <i>Computers in Biology and Medicine</i> , 2017, 80, 45-55.	3.9	11
36	A Novel Sensorized Heart Valve Prosthesis: Preliminary In Vitro Evaluation. <i>Sensors</i> , 2018, 18, 3905.	2.1	11

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37	Operator independent left ventricular function monitoring during pharmacological stress echo with the new peak transcutaneous acceleration signal. <i>British Heart Journal</i> , 2001, 85, 286-289.	2.2	9
38	Tailored Sac Embolization During EVAR for Preventing Persistent Type II Endoleak. <i>Annals of Vascular Surgery</i> , 2021, 76, 293-301.	0.4	9
39	Novel Volumetric and Morphological Parameters Derived from Three-dimensional Virtual Modeling to Improve Comprehension of Tumor's Anatomy in Patients with Renal Cancer. <i>European Urology Focus</i> , 2022, 8, 1300-1308.	1.6	9
40	A New Gyro-Based Method for Quantifying Eyelid Motion. <i>International Journal of Artificial Organs</i> , 2013, 36, 195-202.	0.7	8
41	Diagnostic accuracy of the Novel 29 MHz micro-ultrasound "ExactVuTM" for the detection of clinically significant prostate cancer: A prospective single institutional study. A step forward in the diagnosis of prostate cancer. <i>Archivio Italiano Di Urologia Andrologia</i> , 2021, 93, 132-138.	0.4	8
42	Challenges in the Use of Artificial Intelligence for Prostate Cancer Diagnosis from Multiparametric Imaging Data. <i>Cancers</i> , 2021, 13, 3944.	1.7	8
43	Oral Manifestations in Melanoma Patients Treated with Target or Immunomodulatory Therapies. <i>Journal of Clinical Medicine</i> , 2021, 10, 1283.	1.0	7
44	Passive aortic counterpulsation: Biomechanical rationale and bench validation. <i>Journal of Biomechanics</i> , 2014, 47, 1618-1625.	0.9	6
45	An average three-dimensional virtual human skull for a template-assisted maxillofacial surgery. <i>International Journal of Artificial Organs</i> , 2019, 42, 566-574.	0.7	6
46	Gaze Trajectory Index (GTI): A novel metric to quantify saccade trajectory deviation using eye tracking. <i>Computers in Biology and Medicine</i> , 2019, 107, 86-96.	3.9	6
47	Development of a CO2 Sensor for Extracorporeal Life Support Applications. <i>Sensors</i> , 2020, 20, 3613.	2.1	6
48	IMPLANTABLE SENSORS TO ASSESS CARDIAC FUNCTION. <i>Journal of Mechanics in Medicine and Biology</i> , 2006, 06, 81-89.	0.3	5
49	A new hermetic antenna for wireless transmission systems of implantable medical devices. <i>Medical Engineering and Physics</i> , 2007, 29, 140-147.	0.8	5
50	A Mechanical Simulator of Cardiac Wall Kinematics. <i>ASAIO Journal</i> , 2010, 56, 164-171.	0.9	5
51	Characterization of Vessel Deformations During EVAR: A Preliminary Retrospective Analysis to Improve Fidelity of Endovascular Simulators. <i>Journal of Surgical Education</i> , 2018, 75, 1096-1105.	1.2	5
52	A Fully Automated Pipeline for a Robust Conjunctival Hyperemia Estimation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2978.	1.3	5
53	Classification Performance for COVID Patient Prognosis from Automatic AI Segmentation "A Single-Center Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5438.	1.3	5
54	Assessment of cardiac rotation by means of gyroscopic sensors. , 2008, , .		4

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55	Quantitative Approach for the Analysis of Fusional Convergence Using Eye-Tracking and SacLab Toolbox. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-8.	1.1	4
56	AN ENDOCARDIAL ACCELERATION SENSOR FOR MONITORING CARDIAC FUNCTION OF ISCHEMIC HEARTS. <i>Journal of Mechanics in Medicine and Biology</i> , 2006, 06, 75-80.	0.3	3
57	BIOMECHANICAL APPROACH TO THE CLINICAL TREATMENT OF PULMONARY ARTERIAL HYPERTENSION. <i>Journal of Mechanics in Medicine and Biology</i> , 2013, 13, 1340005.	0.3	3
58	CARDIAC APEX ROTATION ASSESSED BY AN IMPLANTABLE GYRO SENSOR: CORRELATION WITH A LV PRESSURE-DERIVED MYOCARDIAL PERFORMANCE INDEX IN EXPERIMENTALLY INDUCED ISCHEMIA. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1540013.	0.3	3
59	How to transform a fixed stroke alternating syringe ventricle into an adjustable elastance ventricle. <i>Review of Scientific Instruments</i> , 2018, 89, 074301.	0.6	3
60	Automated CO2 angiography: Injection pressure and volume settings. <i>Medical Engineering and Physics</i> , 2020, 80, 65-71.	0.8	3
61	PASSIVE COUNTERPULSATION: BIOMECHANICAL RATIONALE AND CLINICAL VALIDATION. <i>Journal of Mechanics in Medicine and Biology</i> , 2013, 13, 1340004.	0.3	2
62	An Implantable Sensorized Lead for Continuous Monitoring of Cardiac Apex Rotation. <i>Sensors</i> , 2018, 18, 4195.	2.1	2
63	The impact of the COVID-19 pandemic on dermatologic practice: an Italian survey. <i>European Journal of Dermatology</i> , 2021, 31, 55-59.	0.3	2
64	Existence of a Neutral-Impact Maxillo-Mandibular Displacement on Upper Airways Morphology. <i>Journal of Personalized Medicine</i> , 2021, 11, 177.	1.1	2
65	A Novel Non-Invasive Device for the Assessment of Central Venous Pressure in Hospital, Office and Home. <i>Medical Devices: Evidence and Research</i> , 2021, Volume 14, 141-154.	0.4	2
66	Cardiorespiratory Mechanical Simulator for In Vitro Testing of Impedance Minute Ventilation Sensors in Cardiac Pacemakers. <i>ASAIO Journal</i> , 2016, 62, 150-156.	0.9	2
67	Technologies for Hemodynamic Measurements: Past, Present and Future. , 2022, , 515-566.		2
68	The expanding potential of functional liver imaging: From research tools to clinical practice in oncology and internal medicine. <i>European Journal of Internal Medicine</i> , 2020, 79, 23-24.	1.0	1
69	3D Virtual Modeling for Morphological Characterization of Pituitary Tumors: Preliminary Results on Its Predictive Role in Tumor Resection Rate. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4275.	1.3	1
70	Initial experience with a novel telerobotic system for transvenous lead implant technique. <i>Heart Rhythm</i> , 2005, 2, S122.	0.3	0
71	P6-90. <i>Heart Rhythm</i> , 2006, 3, S331.	0.3	0
72	P1-77. <i>Heart Rhythm</i> , 2006, 3, S133.	0.3	0

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73	P4-91. Heart Rhythm, 2006, 3, S248-S249.	0.3	0
74	P1-78. Heart Rhythm, 2006, 3, S133.	0.3	0
75	Assessment of cardiac apex kinematics using a real-time 3D magnetic tracking system. , 2008, , .		0
76	Is &#x201C;silent ischemia&#x201D; detectable by endocardial pacemaker leads?. , 2008, , .		0
77	ELECTROLOC: A SIMPLE, FAST AND ACCURATE SYSTEM FOR LOCALIZATION OF ENDOCARDIAL CATHETERS. Journal of Mechanics in Medicine and Biology, 2015, 15, 1550062.	0.3	0
78	EVAR-eaSE: An Easy-to-Use Software for Planning Sac Embolization in EndoVascular Aneurysm Repair Procedure. Applied Sciences (Switzerland), 2020, 10, 6252.	1.3	0
79	3D Patient-Specific Virtual Models for Presurgical Planning in Patients with Recto-Sigmoid Endometriosis Nodules: A Pilot Study. Medicina (Lithuania), 2022, 58, 86.	0.8	0