

Andrea Bagno

List of Publications by Year in Descending Order

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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.

51
papers

905
citations

15
h-index

29
g-index

55
ext. papers

1,045
ext. citations

4.6
avg, IF

3.93
L-index

#	Paper	IF	Citations
51	When the Total Hip Replacement Fails: A Review on the Stress-Shielding Effect. <i>Processes</i> , 2022 , 10, 612	2.9	7
50	Porcine Small Intestinal Submucosa (SIS) as a Suitable Scaffold for the Creation of a Tissue-Engineered Urinary Conduit: Decellularization, Biomechanical and Biocompatibility Characterization Using New Approaches.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	4
49	Biomaterials and Their Biomedical Applications: From Replacement to Regeneration. <i>Processes</i> , 2021 , 9, 1949	2.9	4
48	Preliminary hemocompatibility assessment of an innovative material for blood contacting surfaces. <i>Journal of Materials Science: Materials in Medicine</i> , 2021 , 32, 86	4.5	2
47	Hybrid membranes for the production of blood contacting surfaces: physicochemical, structural and biomechanical characterization. <i>Biomaterials Research</i> , 2021 , 25, 26	16.8	5
46	Preliminary Computational Analysis of Three Configurations for an Innovative Ventricular Chamber. <i>Processes</i> , 2020 , 8, 1358	2.9	2
45	A Comprehensive Comparison of Bovine and Porcine Decellularized Pericardia: New Insights for Surgical Applications. <i>Biomolecules</i> , 2020 , 10,	5.9	20
44	The Biocompatibility Challenges in the Total Artificial Heart Evolution. <i>Annual Review of Biomedical Engineering</i> , 2019 , 21, 85-110	12	12
43	Bridging the gap between basic research on microcirculation and clinical world: The translational marriage between engineering and medicine. <i>Clinical Hemorheology and Microcirculation</i> , 2019 , 71, 357-363	2.5	1
42	Native Bovine and Porcine Pericardia Respond to Load With Additive Recruitment of Collagen Fibers. <i>Artificial Organs</i> , 2018 , 42, 540-548	2.6	7
41	The wavelet analysis for the assessment of microvascular function with the laser Doppler fluxmetry over the last 20 years. Looking for hidden informations. <i>Clinical Hemorheology and Microcirculation</i> , 2018 , 70, 213-229	2.5	14
40	A sterilization method for decellularized xenogeneic cardiovascular scaffolds. <i>Acta Biomaterialia</i> , 2018 , 67, 282-294	10.8	36
39	Biofabrication of a novel leukocyte-fibrin-platelet membrane as a cells and growth factors delivery platform for tissue engineering applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 1891-1906	4.4	7
38	In vitro comparative assessment of decellularized bovine pericardial patches and commercial bioprosthetic heart valves. <i>Biomedical Materials (Bristol)</i> , 2017 , 12, 015021	3.5	28
37	Phonographic detection of mechanical heart valve thrombosis. <i>Journal of Artificial Organs</i> , 2017 , 20, 394-398	1.8	2
36	Endovascular treatment of aortic arch aneurysm with a single-branched double-stage stent graft. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017 , 154, e75-e77	1.5	12
35	Autologous chondrocytes as a novel source for neo-chondrogenesis in haemophiliacs. <i>Cell and Tissue Research</i> , 2016 , 366, 51-61	4.2	12

34	Mechanical testing of pericardium for manufacturing prosthetic heart valves. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016 , 22, 72-84	1.8	38
33	Wavelet transform analysis of skin perfusion during thermal stimulation. <i>Clinical Hemorheology and Microcirculation</i> , 2016 , 64, 167-175	2.5	4
32	Prosthetic valve thrombosis: When prevention is better than treatment. <i>American Heart Journal</i> , 2016 , 174, e1-2	4.9	2
31	Wavelet analysis of the Laser Doppler signal to assess skin perfusion. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 7374-7	0.9	4
30	Wavelet analysis of skin perfusion to assess the effects of FREMS therapy before and after occlusive reactive hyperemia. <i>Medical Engineering and Physics</i> , 2015 , 37, 1111-5	2.4	3
29	Preliminary study of laser doppler perfusion signal by wavelet transform in patients with critical limb ischemia before and after revascularization. <i>Clinical Hemorheology and Microcirculation</i> , 2014 , 58, 415-28	2.5	5
28	Changes of the cutaneous flowmotion pattern after limb revascularization in patients with critical ischemia. <i>Clinical Hemorheology and Microcirculation</i> , 2014 , 56, 347-58	2.5	5
27	Mechanisms underlying the attachment and spreading of human osteoblasts: from transient interactions to focal adhesions on vitronectin-grafted bioactive surfaces. <i>Acta Biomaterialia</i> , 2013 , 9, 6105-15	10.8	33
26	Ultrasound phonocardiography for detecting thrombotic formations on bileaflet mechanical heart valves. <i>Journal of Heart Valve Disease</i> , 2013 , 22, 828-36		4
25	Development of artificial neural network-based algorithms for the classification of bileaflet mechanical heart valve sounds. <i>International Journal of Artificial Organs</i> , 2012 , 35, 279-87	1.9	1
24	Comparative classification of thrombotic formations on bileaflet mechanical heart valves by phonographic analysis. <i>Journal of Artificial Organs</i> , 2011 , 14, 100-11	1.8	5
23	Automation of Peptide Synthesis 2011 , 495-517		1
22	Electrospun scaffolds of self-assembling peptides with poly(ethylene oxide) for bone tissue engineering. <i>Acta Biomaterialia</i> , 2011 , 7, 2526-32	10.8	43
21	Cells, scaffolds and bioreactors for tissue-engineered heart valves: a journey from basic concepts to contemporary developmental innovations. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 39, 523-31 ³		35
20	In-vitro detection of thrombotic formation on bileaflet mechanical heart valves. <i>Journal of Heart Valve Disease</i> , 2011 , 20, 378-86		6
19	Hydrodynamic performance of heart valve prostheses: open discussion on European Committee for Standardization International Organization for Standardization standard 5840. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010 , 139, 1356-7	1.5	1
18	Application of wavelet analysis to the phonocardiographic signal of mechanical heart valve closing sounds. <i>International Journal of Artificial Organs</i> , 2009 , 32, 166-72	1.9	5
17	Covalent surface modification of titanium oxide with different adhesive peptides: surface characterization and osteoblast-like cell adhesion. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 90, 35-45	5.4	39

16	Assessment of novel chemical strategies for covalent attachment of adhesive peptides to rough titanium surfaces: XPS analysis and biological evaluation. <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 91, 463-79	5.4	28
15	Bileaflet mechanical heart valve closing sounds: in vitro classification by phonocardiographic analysis. <i>Journal of Artificial Organs</i> , 2009 , 12, 172-81	1.8	8
14	SPPS of difficult sequences. <i>Chemical Biology and Drug Design</i> , 2009 , 49, 103-111		22
13	Human Vitronectin-Derived Peptide Covalently Grafted onto Titanium Surface Improves Osteogenic Activity: A Pilot In Vivo Study on Rabbits. <i>Tissue Engineering - Part A</i> , 2009 , 15, 2917-26	3.9	26
12	Is the analysis over the time domain or over the frequency domain significant for the detection of bileaflet mechanical heart valve dysfunction?. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 986-7; author reply 987-8	2.7	3
11	Human osteoblast-like cell adhesion on titanium substrates covalently functionalized with synthetic peptides. <i>Bone</i> , 2007 , 40, 693-9	4.7	86
10	Improvement of Anselme's adhesion model for evaluating human osteoblast response to peptide-grafted titanium surfaces. <i>Bone</i> , 2007 , 41, 704-12	4.7	13
9	Evaluation of silicon dioxide-based coating enriched with bioactive peptides mapped on human vitronectin and fibronectin: in vitro and in vivo assays. <i>Tissue Engineering</i> , 2006 , 12, 3509-23		13
8	Evaluation of Silicon Dioxide-Based Coating Enriched with Bioactive Peptides Mapped on Human Vitronectin and Fibronectin: In Vitro and In Vivo Assays. <i>Tissue Engineering</i> , 2006 , 061115052226001		
7	Effect of synthetic peptides on osteoblast adhesion. <i>Biomaterials</i> , 2005 , 26, 4507-15	15.6	63
6	Surface treatments and roughness properties of Ti-based biomaterials. <i>Journal of Materials Science: Materials in Medicine</i> , 2004 , 15, 935-49	4.5	195
5	Contact profilometry and correspondence analysis to correlate surface properties and cell adhesion in vitro of uncoated and coated Ti and Ti6Al4V disks. <i>Biomaterials</i> , 2004 , 25, 2437-45	15.6	26
4	Automation of the liquid-phase synthesis of biopolymers. <i>Journal of Chemical Technology and Biotechnology</i> , 1998 , 71, 77-83	3.5	4
3	A novel algorithm for the coupling control in solid-phase peptide synthesis. <i>Chemical Biology and Drug Design</i> , 1997 , 50, 231-7		1
2	An improved system for automated peptide synthesis. <i>Chemical Engineering and Technology</i> , 1995 , 18, 210-215	2	5
1	DEPROTECTION MONITORING IN SPPS: CONDUCTIMETRIC VERSUS SPECTROPHOTOMETRIC TECHNIQUES 1995 , 12-16		