Alberto Cigada

List of Publications by Year
in descending order

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36 papers	1,234 citations	471509 17 h-index	414414 32 g-index
38 all docs	38 docs citations	38 times ranked	2102 citing authors

#	Article	IF	Citations
1	Titanium Oxide Antibacterial Surfaces in Biomedical Devices. International Journal of Artificial Organs, 2011, 34, 929-946.	1.4	219
2	In vitro and in vivo behaviour of Ca- and P-enriched anodized titanium. Biomaterials, 1999, 20, 1587-1594.	11.4	173
3	Mechanical and histomorphometric evaluations of titanium implants with different surface treatments inserted in sheep cortical bone. Biomaterials, 2003, 24, 1583-1594.	11.4	116
4	Shape memory polymer foams for cerebral aneurysm reparation: Effects of plasma sterilization on physical properties and cytocompatibility. Acta Biomaterialia, 2009, 5, 1508-1518.	8.3	62
5	Systematic Analysis of Injectable Materials and 3D Rapid Prototyped Magnetic Scaffolds: From CNS Applications to Soft and Hard Tissue Repair/Regeneration. Procedia Engineering, 2013, 59, 233-239.	1.2	60
6	Electrochemically induced anatase inhibits bacterial colonization on Titanium Grade 2 and Ti6Al4V alloy for dental and orthopedic devices. Colloids and Surfaces B: Biointerfaces, 2011, 88, 648-655.	5.0	59
7	Phase change material cellulosic composites for the cold storage of perishable products: From material preparation to computational evaluation. Applied Energy, 2012, 89, 339-346.	10.1	55
8	Synergistic effects of oxidative environments and mechanical stress onin vitro stability of polyetherurethanes and polycarbonateurethanes. Journal of Biomedical Materials Research Part B, 1999, 45, 62-74.	3.1	53
9	Nanocomposites for Neurodegenerative Diseases: Hydrogel-Nanoparticle Combinations for a Challenging Drug Delivery. International Journal of Artificial Organs, 2011, 34, 1115-1127.	1.4	52
10	Multidisciplinary Perspectives for Alzheimer's and Parkinson's Diseases: Hydrogels for Protein Delivery and Cell-Based Drug Delivery as Therapeutic Strategies. International Journal of Artificial Organs, 2009, 32, 836-850.	1.4	48
11	A Novel Antibacterial Modification Treatment of Titanium Capable to Improve Osseointegration. International Journal of Artificial Organs, 2012, 35, 864-875.	1.4	48
12	In vitro assessment of the osteointegrative potential of a novel multiphase anodic spark deposition coating for orthopaedic and dental implants. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2005, 73B, 392-399.	3.4	41
13	Apatite formation and cellular response of a novel bioactive titanium. Journal of Materials Science: Materials in Medicine, 2007, 18, 1225-1237.	3.6	31
14	Hydrogel-based delivery of Tat-fused protein Hsp70 protects dopaminergic cells in vitro and in a mouse model of Parkinsonâ€™s disease. NPG Asia Materials, 2019, 11, .	7.9	28
15	Preparation and Characterization of Shape Memory Polymer Scaffolds via Solvent Casting/Particulate Leaching. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 119-126.	1.6	26
16	Physical and biological characterizations of a novel multiphase anodic spark deposition coating to enhance implant osseointegration. Journal of Materials Science: Materials in Medicine, 2005, 16, 1221-1229.	3.6	25
17	Hydrogel-Based Nanocomposites and Mesenchymal Stem Cells: A Promising Synergistic Strategy for Neurodegenerative Disorders Therapy. Scientific World Journal, The, 2013, 2013, 1-9.	2.1	25
18	Polyurethane-coated, self-expandable biliary stent: An experimental study. Academic Radiology, 1995, 2, 1078-1081.	2.5	10

#	Article	IF	Citations
19	Development and Analysis of Semi-Interpenetrating Polymer Networks for Brain Injection in Neurodegenerative Disorders. International Journal of Artificial Organs, 2013, 36, 762-774.	1.4	10
20	In vivo study of polyurethane-coated gianturco-rosch biliary Z-stents. CardioVascular and Interventional Radiology, 1999, 22, 510-514.	2.0	9
21	Trends in biomedical engineering: focus on Smart Bio-Materials and Drug Delivery. Journal of Applied Biomaterials and Biomechanics, 2011, 9, 87-97.	0.4	9
22	Effect of wear from cleaning operations on sintered ceramic surfaces: Correlation of surface properties data with touch perception and digital image processing. Wear, 2017, 390-391, 355-366.	3.1	9
23	Particle anisotropy and crystalline phase transition in one-pot synthesis of nano-zirconia: a causal relationship. CrystEngComm, 2018, 20, 879-888.	2.6	8
24	The ceramic-on-metal coupling in total hip replacements for young patients: a review study. Journal of Applied Biomaterials and Biomechanics, 2011, 9, 2-10.	0.4	7
25	Electrochemically Deposited Gentamicin-Loaded Calcium phosphate Coatings for Bone Tissue Integration. International Journal of Artificial Organs, 2012, 35, 876-883.	1.4	7
26	Flexible hybrid coatings with efficient antioxidation properties. Food Packaging and Shelf Life, 2016, 10, 106-114.	7.5	7
27	A Novel Silicon-Based Electrochemical Treatment to Improve Osteointegration of Titanium Implants. Journal of Applied Biomaterials and Functional Materials, 2013, 11, 106-116.	1.6	6
28	Tribological and mechanical performance evaluation of metal prosthesis components manufactured via metal injection molding. Journal of Materials Science: Materials in Medicine, 2015, 26, 5332.	3.6	6
29	Poly-Paper: A Sustainable Material for Packaging, Based on Recycled Paper and Recyclable with Paper. Journal of Applied Biomaterials and Functional Materials, 2016, 14, 490-495.	1.6	6
30	JABB: Moving Towards the Future. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 1-1.	1.6	5
31	Development of a Photocatalytic Filter to Control Indoor Air Quality. Journal of Applied Biomaterials and Functional Materials, 2016, 14, 496-501.	1.6	4
32	Metal injection molding as enabling technology for the production of metal prosthesis components: Electrochemical andin vitrocharacterization. , 2013, 101, 1294-1301.		3
33	Improving Indoor Air Quality by Using the New Generation of Corrugated Cardboard-Based Filters. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 157-162.	1.6	2
34	Development of novel cardboard filters very effective in removing airborne bacteria from confined environments. Journal of Applied Biomaterials and Biomechanics, 2011, 9, 207-213.	0.4	0
35	JABB: taking stock after 8 years activity. Journal of Applied Biomaterials and Biomechanics, 2011, 9, 1-1.	0.4	0
36	Optimization of Chitosan-Based Scaffolds Obtained via Cathodic Polarization. Key Engineering Materials, 2015, 654, 154-158.	0.4	0