

Carmen Giordano

List of Publications by Year in descending order

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48
papers

1,439
citations

331670

21
h-index

345221

36
g-index

50
all docs

50
docs citations

50
times ranked

2415
citing authors

#	ARTICLE	IF	CITATIONS
1	Using integrated meta-omics to appreciate the role of the gut microbiota in epilepsy. <i>Neurobiology of Disease</i> , 2022, 164, 105614.	4.4	5
2	The microbiota-gut-brain axis and epilepsy from a multidisciplinary perspective: Clinical evidence and technological solutions for improvement of in vitro preclinical models. <i>Bioengineering and Translational Medicine</i> , 2022, 7, .	7.1	10
3	Induced pluripotent stem cell-based organ-on-a-chip as personalized drug screening tools: A focus on neurodegenerative disorders. <i>Journal of Tissue Engineering</i> , 2022, 13, 204173142210953.	5.5	14
4	Microbiota-Host Immunity Communication in Neurodegenerative Disorders: Bioengineering Challenges for In Vitro Modeling. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002043.	7.6	18
5	Technological tools and strategies for culturing human gut microbiota in engineered in vitro models. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2886-2905.	3.3	20
6	Microbiological-Chemical Sourced Chondroitin Sulfates Protect Neuroblastoma SH-SY5Y Cells against Oxidative Stress and Are Suitable for Hydrogel-Based Controlled Release. <i>Antioxidants</i> , 2021, 10, 1816.	5.1	3
7	3D brain tissue physiological model with co-cultured primary neurons and glial cells in hydrogels. <i>Journal of Tissue Engineering</i> , 2020, 11, 204173142096398.	5.5	14
8	A miniaturized hydrogel-based <i>in vitro</i> model for dynamic culturing of human cells overexpressing beta-amyloid precursor protein. <i>Journal of Tissue Engineering</i> , 2020, 11, 204173142094563.	5.5	15
9	Human Gut-Microbiota Interaction in Neurodegenerative Disorders and Current Engineered Tools for Its Modeling. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 297.	3.9	37
10	An Organ-On-A-Chip Engineered Platform to Study the Microbiota-Gut-Brain Axis in Neurodegeneration. <i>Trends in Molecular Medicine</i> , 2019, 25, 737-740.	6.7	55
11	Hydrogel-based delivery of Tat-fused protein Hsp70 protects dopaminergic cells in vitro and in a mouse model of Parkinson's disease. <i>NPG Asia Materials</i> , 2019, 11, .	7.9	28
12	Microbiota-gut brain axis involvement in neuropsychiatric disorders. <i>Expert Review of Neurotherapeutics</i> , 2019, 19, 1037-1050.	2.8	116
13	Advanced Organ-on-a-Chip Devices to Investigate Liver Multi-Organ Communication: Focus on Gut, Microbiota and Brain. <i>Bioengineering</i> , 2019, 6, 91.	3.5	26
14	Towards bioinspired <i>in vitro</i> models of intestinal mucus. <i>RSC Advances</i> , 2019, 9, 15887-15899.	3.6	32
15	Influence of the static magnetic field on cell response in a miniaturized optically accessible bioreactor for 3D cell culture. <i>Biomedical Microdevices</i> , 2019, 21, 29.	2.8	21
16	Organ-On-A-Chip in vitro Models of the Brain and the Blood-Brain Barrier and Their Value to Study the Microbiota-Gut-Brain Axis in Neurodegeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 435.	4.1	73
17	Secretome released from hydrogel-embedded adipose mesenchymal stem cells protects against the Parkinson's disease related toxin 6-hydroxydopamine. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 121, 113-120.	4.3	50
18	Recombinant human Tat-Hsp70-2: A tool for neuroprotection. <i>Protein Expression and Purification</i> , 2017, 138, 18-24.	1.3	10

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19	The Effect of Scaffold Pore Size in Cartilage Tissue Engineering. Journal of Applied Biomaterials and Functional Materials, 2016, 14, e223-e229.	1.6	101
20	Oxygen Measurement in Interstitially Perfused Cellularized Constructs Cultured in a Miniaturized Bioreactor. Journal of Applied Biomaterials and Functional Materials, 2015, 13, 313-319.	1.6	7
21	Cross-linked poly(acrylic acids) microgels and agarose as semi-interpenetrating networks for resveratrol release. Journal of Materials Science: Materials in Medicine, 2015, 26, 5328.	3.6	11
22	Hydrogels for central nervous system therapeutic strategies. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2015, 229, 905-916.	1.8	14
23	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
24	Mesenchymal Stem Cell Differentiation on Electrochemically Modified Titanium: An Optimized Approach for Biomedical Applications. Journal of Applied Biomaterials and Functional Materials, 2013, 11, 9-17.	1.6	0
25	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
26	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
27	Hydrogel for Cell Housing in the Brain and in the Spinal Cord. International Journal of Artificial Organs, 2011, 34, 295-303.	1.4	19
28	Nanocomposites for Neurodegenerative Diseases: Hydrogel-Nanoparticle Combinations for a Challenging Drug Delivery. International Journal of Artificial Organs, 2011, 34, 1115-1127.	1.4	52
29	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
30	Efficacy of Zosteric Acid Sodium Salt on the Yeast Biofilm Model Candida albicans. Microbial Ecology, 2011, 62, 584-598.	2.8	44
31	Attachment, proliferation and osteogenic response of osteoblast-like cells cultured on titanium treated by a novel multiphase anodic spark deposition process. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 88B, 280-289.	3.4	17
32	New Aliphatic Glycerophosphoryl-Containing Polyurethanes: Synthesis, Platelet Adhesion and Elution Cytotoxicity Studies. International Journal of Artificial Organs, 2009, 32, 204-212.	1.4	3
33	Osteogenic Differentiation of Human Mesenchymal Stromal Cells on Surface-Modified Titanium Alloys for Orthopedic and Dental Implants. International Journal of Artificial Organs, 2009, 32, 811-820.	1.4	26
34	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
35	Quantitative assessment of intervertebral disc glycosaminoglycan distribution by gadolinium-enhanced MRI in orthopedic patients. Magnetic Resonance in Medicine, 2008, 59, 85-95.	3.0	35
36	A novel multiphase anodic spark deposition coating for the improvement of orthopedic implant osseointegration: An experimental study in cortical bone of sheep. Journal of Biomedical Materials Research - Part A, 2008, 85A, 1022-1031.	4.0	19

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37	Nondegradative microextrusion of resorbable polyesters for pharmaceutical and biomedical applications: The cases of poly(l-lactic acid) and poly(ε-caprolactone). Journal of Applied Polymer Science, 2008, 108, 1591-1595.	2.6	19
38	A Novel Process for the Manufacture of Ceramic Microelectrodes for Biomedical Applications. International Journal of Applied Ceramic Technology, 2008, 5, 37-43.	2.1	21
39	Extruded Ceramic Microelectrodes for Biomedical Applications. International Journal of Artificial Organs, 2008, 31, 272-278.	1.4	4
40	Gene delivery systems for gene therapy in tissue engineering and central nervous system applications. International Journal of Artificial Organs, 2008, 31, 1017-1026.	1.4	7
41	Synthesis, Platelet Adhesion and Cytotoxicity Studies of New Glycerophosphoryl-Containing Polyurethanes. International Journal of Artificial Organs, 2007, 30, 133-143.	1.4	21
42	In vitro and in vivo performance of a novel surface treatment to enhance osseointegration of endosseous implants. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2007, 103, 745-756.	1.4	39
43	Apatite formation and cellular response of a novel bioactive titanium. Journal of Materials Science: Materials in Medicine, 2007, 18, 1225-1237.	3.6	31
44	Chemical-physical and preliminary biological properties of poly (2-hydroxyethylmethacrilate)/poly(ε-caprolactone)/hydroxyapatite composite. Journal of Materials Science: Materials in Medicine, 2007, 18, 653-660.	3.6	10
45	A New Chemical Etching Process to Improve Endosseous Implant Osseointegration: In Vitro Evaluation on Human Osteoblast-Like Cells. International Journal of Artificial Organs, 2006, 29, 772-780.	1.4	20
46	Chemical-Physical Characterization and in vitro Preliminary Biological Assessment of Hyaluronic Acid Benzyl Ester-Hydroxyapatite Composite. Journal of Biomaterials Applications, 2006, 20, 237-252.	2.4	22
47	Decreased Bacterial Adhesion to Surface-Treated Titanium. International Journal of Artificial Organs, 2005, 28, 718-730.	1.4	116
48	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