

Murugan Ramalingam

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155
papers

7,112
citations

33
h-index

83
g-index

171
ext. papers

7,817
ext. citations

3.8
avg, IF

6
L-index

#	Paper	IF	Citations
155	Electrospinning of nano/micro scale poly(L-lactic acid) aligned fibers and their potential in neural tissue engineering. <i>Biomaterials</i> , 2005 , 26, 2603-10	15.6	1470
154	Development of nanocomposites for bone grafting. <i>Composites Science and Technology</i> , 2005 , 65, 2385-2406	10.8	535
153	Fabrication of nano-structured porous PLLA scaffold intended for nerve tissue engineering. <i>Biomaterials</i> , 2004 , 25, 1891-900	15.6	509
152	Design strategies of tissue engineering scaffolds with controlled fiber orientation. <i>Tissue Engineering</i> , 2007 , 13, 1845-66		345
151	Nano-featured scaffolds for tissue engineering: a review of spinning methodologies. <i>Tissue Engineering</i> , 2006 , 12, 435-47		329
150	Bioresorbable composite bone paste using polysaccharide based nano hydroxyapatite. <i>Biomaterials</i> , 2004 , 25, 3829-35	15.6	303
149	Gradient biomaterials for soft-to-hard interface tissue engineering. <i>Acta Biomaterialia</i> , 2011 , 7, 1441-51	10.8	295
148	Nanobiomaterial applications in orthopedics. <i>Journal of Orthopaedic Research</i> , 2007 , 25, 11-22	3.8	278
147	Dielectrophoretically aligned carbon nanotubes to control electrical and mechanical properties of hydrogels to fabricate contractile muscle myofibers. <i>Advanced Materials</i> , 2013 , 25, 4028-34	24	200
146	Engineered contractile skeletal muscle tissue on a microgrooved methacrylated gelatin substrate. <i>Tissue Engineering - Part A</i> , 2012 , 18, 2453-65	3.9	169
145	Hybrid hydrogels containing vertically aligned carbon nanotubes with anisotropic electrical conductivity for muscle myofiber fabrication. <i>Scientific Reports</i> , 2014 , 4, 4271	4.9	165
144	Skeletal muscle tissue engineering: methods to form skeletal myotubes and their applications. <i>Tissue Engineering - Part B: Reviews</i> , 2014 , 20, 403-36	7.9	164
143	Development of decellularized scaffolds for stem cell-driven tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 942-965	4.4	106
142	Production of ultra-fine bioresorbable carbonated hydroxyapatite. <i>Acta Biomaterialia</i> , 2006 , 2, 201-6	10.8	105
141	Processing nanoengineered scaffolds through electrospinning and mineralization suitable for biomimetic bone tissue engineering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2008 , 1, 252-60	4.1	104
140	Nanoporous hydroxy-carbonate apatite scaffold made of natural bone. <i>Materials Letters</i> , 2006 , 60, 2844-2847	3.9	103
139	Aqueous mediated synthesis of bioresorbable nanocrystalline hydroxyapatite. <i>Journal of Crystal Growth</i> , 2005 , 274, 209-213	1.6	98

138	Facile and green production of aqueous graphene dispersions for biomedical applications. <i>Nanoscale</i> , 2015 , 7, 6436-43	7.7	97
137	Myotube formation on gelatin nanofibers - multi-walled carbon nanotubes hybrid scaffolds. <i>Biomaterials</i> , 2014 , 35, 6268-77	15.6	93
136	Crystallographic Study of Hydroxyapatite Bioceramics Derived from Various Sources. <i>Crystal Growth and Design</i> , 2005 , 5, 111-112	3.5	93
135	Bioconjugated Hydrogels for Tissue Engineering and Regenerative Medicine. <i>Bioconjugate Chemistry</i> , 2015 , 26, 1984-2001	6.3	90
134	Fabrication of conducting electrospun nanofibers scaffold for three-dimensional cells culture. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 627-31	7.9	77
133	Biomimetic nanocomposites for bone graft applications. <i>Nanomedicine</i> , 2006 , 1, 177-88	5.6	65
132	Heat-deproteinated xenogeneic bone from slaughterhouse waste: Physico-chemical properties. <i>Bulletin of Materials Science</i> , 2003 , 26, 523-528	1.7	62
131	Three-dimensional co-culture of C2C12/PC12 cells improves skeletal muscle tissue formation and function. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 582-595	4.4	55
130	Coupling of therapeutic molecules onto surface modified coralline hydroxyapatite. <i>Biomaterials</i> , 2004 , 25, 3073-80	15.6	55
129	Electrical stimulation as a biomimicry tool for regulating muscle cell behavior. <i>Organogenesis</i> , 2013 , 9, 87-92	1.7	53
128	Electrically regulated differentiation of skeletal muscle cells on ultrathin graphene-based films. <i>RSC Advances</i> , 2014 , 4, 9534	3.7	52
127	Nanofiber scaffold gradients for interfacial tissue engineering. <i>Journal of Biomaterials Applications</i> , 2013 , 27, 695-705	2.9	52
126	Fluorinated bovine hydroxyapatite: preparation and characterization. <i>Materials Letters</i> , 2002 , 57, 429-433	3.3	51
125	Design and fabrication of auxetic PCL nanofiber membranes for biomedical applications. <i>Materials Science and Engineering C</i> , 2017 , 81, 334-340	8.3	39
124	A microfluidic-based neurotoxin concentration gradient for the generation of an in vitro model of Parkinson's disease. <i>Biomicrofluidics</i> , 2011 , 5, 22214	3.2	38
123	Covalently immobilized VEGF-mimicking peptide with gelatin methacrylate enhances microvascularization of endothelial cells. <i>Acta Biomaterialia</i> , 2017 , 51, 330-340	10.8	37
122	Stem Cell Differentiation Toward the Myogenic Lineage for Muscle Tissue Regeneration: A Focus on Muscular Dystrophy. <i>Stem Cell Reviews and Reports</i> , 2015 , 11, 866-84	6.4	32
121	Controlled release of drugs from gradient hydrogels for high-throughput analysis of cell-drug interactions. <i>Analytical Chemistry</i> , 2012 , 84, 1302-9	7.8	32

120	Effect of zirconia on the formation of calcium phosphate bioceramics under microwave irradiation. <i>Materials Letters</i> , 2004 , 58, 230-234	3.3	30
119	Accelerated synthesis of biomimetic nano hydroxyapatite using simulated body fluid. <i>Materials Chemistry and Physics</i> , 2016 , 180, 166-172	4.4	29
118	Biomaterials		28
117	Surface functionalization of nanobiomaterials for application in stem cell culture, tissue engineering, and regenerative medicine. <i>Biotechnology Progress</i> , 2016 , 32, 554-67	2.8	28
116	Cell-Laden Hydrogels for Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , 2014 , 4, 507-535	0.3	26
115	In situ formation of recombinant humanlike collagen-hydroxyapatite nanohybrid through bionic approach. <i>Applied Physics Letters</i> , 2006 , 88, 193124	3.4	24
114	Impact of Induced Pluripotent Stem Cells in Bone Repair and Regeneration. <i>Current Osteoporosis Reports</i> , 2019 , 17, 226-234	5.4	23
113	Applications of carbon nanotubes in stem cell research. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 2539-61	4	22
112	Biomaterial Surface patterning of self assembled monolayers for controlling neuronal cell behavior. <i>International Journal of Biomedical Engineering and Technology</i> , 2009 , 2, 104-134	1.3	22
111	The use of microtechnology and nanotechnology in fabricating vascularized tissues. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 487-500	1.3	21
110	Grafting of glycidyl methacrylate upon coralline hydroxyapatite in conjugation with demineralized bone matrix using redox initiating system. <i>Macromolecular Research</i> , 2003 , 11, 14-18	1.9	21
109	Electrospun Polycaprolactone/Poly(1,4-butylene adipate-co-polycaprolactam) Blends: Potential Biodegradable Scaffold for Bone Tissue Regeneration. <i>Journal of Biomaterials and Tissue Engineering</i> , 2011 , 1, 30-39	0.3	21
108	Carbon Nanotubes and Graphene-Based Nanomaterials for Stem Cell Differentiation and Tissue Regeneration. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 8862-8880	1.3	20
107	Designing vascular supportive albumen-rich composite bioink for organ 3D printing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 104, 103642	4.1	17
106	Graft polymerization of glycidylmethacrylate onto coralline hydroxyapatite. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003 , 14, 457-68	3.5	16
105	Spatially Controlled Cell Growth Using Patterned Biomaterials. <i>Advanced Materials Letters</i> , 2010 , 1, 179-187		16
104	An Introduction to Stem Cell Biology and Tissue Engineering 2015 , 1-13		15
103	Advances in stimuli responsive nanobiomaterials for cancer therapy. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 367-82	4	14

102	Cell-laden alginate/polyacrylamide beads as carriers for stem cell delivery: preparation and characterization. <i>RSC Advances</i> , 2016 , 6, 20475-20484	3.7	13
101	Gradient nanofiber scaffolds for tissue engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 4647-55	1.3	13
100	Impact of Nanotechnology in Induced Pluripotent Stem Cells-driven Tissue Engineering and Regenerative Medicine. <i>Journal of Bionanoscience</i> , 2015 , 9, 13-21		12
99	Hydroxyl Carbonateapatite Hybrid Bone Composites Using Carbohydrate Polymer. <i>Journal of Composite Materials</i> , 2005 , 39, 1159-1167	2.7	12
98	Development of Egg Shell Derived Carbonated Apatite Nanocarrier System for Drug Delivery. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 2318-2324	1.3	11
97	Accelerated Sonochemical Synthesis of Calcium Deficient Hydroxyapatite Nanoparticles: Structural and Morphological Evolution. <i>Journal of Biomaterials and Tissue Engineering</i> , 2014 , 4, 295-299	0.3	11
96	Cells and Nanomaterial-Based Tissue Engineering Techniques in the Treatment of Bone and Cartilage Injuries. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 8948-8952	1.3	11
95	Nanofiber Technology for Controlling Stem Cell Functions and Tissue Engineering 2013 , 27-51		10
94	Designing biological apatite suitable for neomycin delivery. <i>Journal of Materials Science</i> , 2006 , 41, 4343-4347	1.3	10
93	Modification of demineralized bone matrix by a chemical route. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2041		9
92	Introduction to nanofiber composites 2017 , 3-29		9
91	A Facile Method for Controlled Fabrication of Hybrid Silver Nanoparticle-Poly(-caprolactone) Fibrous Constructs with Antimicrobial Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 6949-6955	1.3	8
90	Quartz Crystal Microbalance with Dissipation Monitoring: A Powerful Tool for BioNanoScience and Drug Discovery. <i>Journal of Bionanoscience</i> , 2015 , 9, 249-260		8
89	Considerations on Designing Scaffold for Tissue Engineering 2015 , 133-148		8
88	Micro- and Nanoengineering Approaches to Developing Gradient Biomaterials Suitable for Interface Tissue Engineering 2013 , 52-79		8
87	Development of Nanofiber Biomaterials and Stem Cells in Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , 2011 , 1, 111-128	0.3	8
86	3D Printing of Micro- and Nanoscale Bone Substitutes: A Review on Technical and Translational Perspectives. <i>International Journal of Nanomedicine</i> , 2021 , 16, 4289-4319	7.3	8
85	Enhanced proliferation of human bone marrow derived mesenchymal stem cells on tough hydrogel substrates. <i>Materials Science and Engineering C</i> , 2017 , 76, 1057-1065	8.3	7

84	Impact of Nanotechnology on 3D Bioprinting. <i>Journal of Bionanoscience</i> , 2017 , 11, 1-6		7
83	High-resolution combinatorial 3D printing of gelatin-based biomimetic triple-layered conduits for nerve tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2021 , 166, 1280-1291	7.9	7
82	Designed and fabrication of triple-layered vascular scaffold with microchannels. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 32, 714-734	3.5	7
81	Protocols for Biomaterial Scaffold Fabrication 2012 , 1-23		6
80	Regeneration of Carbonyl Compounds from Oximes Using BTBAD under Microwave Irradiation. <i>Chemistry Letters</i> , 2004 , 33, 1038-1039	1.7	6
79	Novel CoreShell Nanocapsules for the Tunable Delivery of Bioactive rhEGF: Formulation, Characterization and Cytocompatibility Studies. <i>Journal of Biomaterials and Tissue Engineering</i> , 2015 , 5, 730-743	0.3	6
78	Decellularized Amniotic Membrane Scaffold Compared to Synthetic PLGA and Hybrid Scaffolds Exhibit Superlative Biomechanical Properties for Tissue Engineering Applications. <i>Journal of Biomaterials and Tissue Engineering</i> , 2016 , 6, 549-562	0.3	6
77	Nanofiber composites in drug delivery 2017 , 199-223		6
76	Nanoengineered Biomimetic Bone-Building Blocks 2007 , 301-352		5
75	Grafting of glycidylmethacrylate onto demineralized xenogeneic bone in aqueous medium. <i>Polymer Bulletin</i> , 2003 , 49, 395-402	2.4	5
74	Designing Biomimetic Triple-Layered Nanofibrous Vascular Grafts via Combinatorial Electrospinning Approach. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 6396-6405	1.3	5
73	Nanofiber composites in gene delivery 2017 , 253-274		5
72	Control of Stem Cell Fate and Function by Polymer Nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 9015-9021	1.3	4
71	The Emerging Applications of Graphene Oxide and Graphene in Tissue Engineering 2013 , 279-299		4
70	Ce(IV) ion initiated graft polymerization of glycidylmethacrylate onto a demineralized bone matrix: effect of reaction parameters. <i>Colloid and Polymer Science</i> , 2004 , 282, 1316-1322	2.4	4
69	Impact of Nanophase Hydroxyapatite-Based Biomaterials on Tissue Engineering. <i>Journal of Bionanoscience</i> , 2018 , 12, 469-477		4
68	Impact of Gradient Biomaterials on Interface Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , 2012 , 2, 89-99	0.3	4
67	Dental Pulp Stem Cells in Neuroregeneration. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2020 , 12, S60-S66		4

66	3D polymer scaffold arrays. <i>Methods in Molecular Biology</i> , 2011 , 671, 161-74	1.4	4
65	Nanofiber composites in cartilage tissue engineering 2017 , 325-344		4
64	A Special Section on The Role of Nanotechnology in Stem Cell Research. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 8859-8861	1.3	3
63	Electrospraying and Electrospinning for Nanobiomaterial Fabrication 2017 , 143-163		3
62	Surface Functionalization of Biomaterials 2017 , 331-343		3
61	A Special Section on Advances in Electrospinning of Nanofibers and Their Biomedical Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 4645-4646	1.3	3
60	RNAi Therapeutics: Current Status of Nanoncologic siRNA Delivery Systems. <i>Journal of Bionanoscience</i> , 2011 , 5, 1-17		3
59	Bone Mineral-Like Nanoscale Amorphous Calcium Phosphate Derived from Egg Shells. <i>Journal of Bionanoscience</i> , 2017 , 11, 297-300		3
58	3D Printing of Stem Cell Responsive Ionically-Crosslinked Polyethylene Glycol Diacrylate/ Alginate Composite Hydrogels Loaded with Basic Fibroblast Growth Factor for Dental Pulp Tissue Engineering: A Preclinical Evaluation in Animal Model. <i>Journal of Biomaterials and Tissue Engineering</i> , 2019 , 9, 1635-1643	0.3	3
57	Mechanical characterization of nanofiber composites 2017 , 117-155		3
56	Cardiac Differentiation of Mesenchymal Stem Cells: Impact of Biological and Chemical Inducers. <i>Stem Cell Reviews and Reports</i> , 2021 , 17, 1343-1361	7.3	3
55	Rapid fabrication of gelatin-based scaffolds with prevascularized channels for organ regeneration. <i>Biomedical Materials (Bristol)</i> , 2021 ,	3.5	3
54	Topological Structure Design and Fabrication of Biocompatible PLA/TPU/ADM Mesh with Appropriate Elasticity for Hernia Repair. <i>Macromolecular Bioscience</i> , 2021 , 21, e2000423	5.5	3
53	Development of Silver-Based Bactericidal Composite Nanofibers by Airbrushing. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 2951-2955	1.3	2
52	Nanopatterning Techniques 2017 , 189-210		2
51	Polymeric Nanofibers and their Applications in Sensors 2012 , 801-826		2
50	Electrospun Nanofiber and Stem Cells in Tissue Engineering 2012 , 91-118		2
49	Analysis of bovine-derived demineralized bone extracts. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 2423-6	4.5	2

48	Engineering of Gradient Biomaterials as Biomimetic Systems for Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , 2011 , 1, 139-148	0.3	2
47	Microvesicles Secreted by Human Embryonic Stem Cell Derived Mesenchymal Stem Cells Promote Regeneration of Sprague-Dawley Rat Sciatic Nerve. <i>Journal of Biomaterials and Tissue Engineering</i> , 2020 , 10, 966-970	0.3	2
46	Antimicrobial Activity of Chemical, Thermal and Green Route-Derived Zinc Oxide Nanoparticles: A Comparative Analysis. <i>Nano Biomedicine and Engineering</i> , 2020 , 12,	2.9	2
45	3D printing of self-standing and vascular supportive multimaterial hydrogel structures for organ engineering. <i>Biotechnology and Bioengineering</i> , 2022 , 119, 118-133	4.9	2
44	Clinical/preclinical aspects of nanofiber composites 2017 , 507-528		2
43	3D printing-assisted combinatorial approach for designing mechanically-tunable and vascular supportive nanofibrous membranes to repair perforated eardrum. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50132	2.9	2
42	Influence of perfluorocarbons on Carbamazepine and Benzodiazepine for a neuro-lung protective strategy. <i>Journal of Clinical Neuroscience</i> , 2017 , 43, 82-88	2.2	1
41	Induced Pluripotent Stem Cells in Scaffold-Based Tissue Engineering 2017 , 111-142		1
40	Nonconventional Biosensors Based on Nanomembrane Materials 2017 , 241-257		1
39	Nanobiomaterials for Molecular Imaging 2017 , 259-279		1
38	Engineering Nanobiomaterials for Improved Tissue Regeneration 2017 , 281-304		1
37	Nanobiomaterials for Cancer Therapy 2017 , 305-327		1
36	Chemical Synthesis and Biomedical Applications of Iron Oxide Nanoparticles 2017 , 329-358		1
35	Biosafety of Carbon-Based Nanoparticles and Nanocomposites 2017 , 431-458		1
34	Clinical Translation and Safety Regulation of Nanobiomaterials 2017 , 459-479		1
33	Carbon-Based Nanobiomaterials 2017 , 85-104		1
32	Exosomes in the Oral and Maxillofacial Region. <i>Journal of Pharmacy and Bioallied Sciences</i> , 2020 , 12, S43-S48		1
31	Nanofiber composites in biomolecular delivery 2017 , 225-252		1

30	Ceramic nanofiber composites 2017 , 33-54		1
29	Design, Synthesis and in vitro Cytotoxicity Evaluation of New Fluorinated Ionic Salt (S)-(+)-2,3-Dihydro-1H-pyrrolo[2,1-c][1,4]benzodiazepine-5,11(10H,11aH)-dione as Strategies for Improving Anticonvulsant Activity. <i>Asian Journal of Chemistry</i> , 2020 , 32, 975-980	0.4	1
28	Microvesicles from Schwann-Like Cells as a New Biomaterial Promote Axonal Growth. <i>Journal of Biomedical Nanotechnology</i> , 2021 , 17, 291-302	4	1
27	Biomimetic Nanohydroxyapatite Synthesized With/Without Tris-Buffered Simulated Body Fluid: A Comparative Analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 4423-4427	1.3	1
26	Development of Simvastatin Loaded Electrospun Zein Nanofiber Membranes for Bone Repair. <i>Journal of Nanoscience and Nanotechnology</i> , 2021 , 21, 5099-5106	1.3	1
25	Vascular Endothelial Growth Factors in Tissue Engineering: Challenges and Prospects for Therapeutic Angiogenesis 275-293		1
24	Gradient Biomaterials as Tissue Scaffolds 2015 , 175-186		0
23	Microfabrication and Nanofabrication Techniques 2015 , 207-219		0
22	Surface Modification of Metallic Implants with Nanotubular Arrays via Electrochemical Anodization 2017 , 211-238		0
21	Design and Stability Improvement of Pectin-Based Red Blood Cell-Mimicking Microcapsules for Oxygen Therapeutics. <i>Journal of Biomedical Nanotechnology</i> , 2021 , 17, 1798-1805	4	0
20	Peroxiredoxin 6 secreted by Schwann-like cells protects neuron against ischemic stroke in rats via PTEN/PI3K/AKT pathway. <i>Tissue and Cell</i> , 2021 , 73, 101635	2.7	0
19	Preparation and Biocompatibility Evaluation of Nanoscale Isoniazide-Loaded Mineralized Collagen Implants for Tuberculous Bone and Joint Repair.. <i>Journal of Biomedical Nanotechnology</i> , 2022 , 18, 193-201		0
18	Nanobiomaterials: State of the Art 2017 , 3-35		
17	Gold Nanoparticles and Their Bioapplications 2017 , 359-377		
16	Silicon-Based Nanoparticles for Drug Delivery 2017 , 379-402		
15	Dendritic-Polymer-Based Nanomaterials for Cancer Diagnosis and Therapy 2017 , 403-428		
14	Polymeric Nanobiomaterials 2017 , 65-84		
13	Molecular Self-Assembly for Nanobiomaterial Fabrication 2017 , 107-141		

12 Layer-by-Layer Technique: From Capsule Assembly to Application in Biological Domains **2017**, 165-187

11 BMP-based Bone Tissue Engineering **2012**, 273-292

10 Effect of Remnant-Preserving Reconstruction of Acute Anterior Cruciate Ligament Injuries in a Rabbit Model: Histological and Biomechanical Analysis. *Journal of Biomaterials and Tissue Engineering*, **2022**, 12, 897-906 0.3

9 Improved Performance of Antiepileptic Drugs by Oxygen Enrichment Through Perfluorodecalin in Nanoscales. *Advanced Science Letters*, **2016**, 22, 745-751 0.1

8 Autoinductive Scaffolds for Osteogenic Differentiation of Mesenchymal Stem Cells **2012**, 169-184

7 Fabrication and Application of Gradient Hydrogels in Cell and Tissue Engineering **2012**, 55-78

6 Cell Patterning Technologies for Tissue Engineering 595-606

5 Biomimetic Materials for Engineering Stem Cells and Tissues 329-344

4 Surface Modification of Titanium by Cobalt-Containing Plasma Electrolytic Oxidation Promotes Osteogenic Response. *Journal of Biomaterials and Tissue Engineering*, **2021**, 11, 1524-1529 0.3

3 Oxygen Delivery Approaches to Augment Cell Survival After Myocardial Infarction: Progress and Challenges. *Cardiovascular Toxicology*, **2021**, 1 3.4

2 Neuroscience of Peripheral Nerve Regeneration.. *Journal of Pharmacy and Bioallied Sciences*, **2021**, 13, S913-S916 1.1

1 Bioactive Small Molecule Enhances Skin Burn Wound Healing and Hair Follicle Regeneration by Activating PI3K/AKT Signaling Pathway: A Preclinical Evaluation in Animal Model.. *Journal of Biomedical Nanotechnology*, **2022**, 18, 463-473 4