Masoud Mozafari

List of Publications by Year
in descending order

400 papers	15,431 citations	13865 67 h-index	30922 102 g-index
409 all docs	409 docs citations	409 times ranked	16032 citing authors

#	ARTICLE	IF	CITATIONS
1	Human Olfactory Ecto-mesenchymal Stem Cells Displaying Schwann-cell-like Phenotypes and Promoting Neurite Outgrowth in Vitro. Basic and Clinical Neuroscience, 2023, 14, 31-42.	0.6	0
2	Effect of laser cladded co-doped strontium fluorapatite nanopowder coating on the antibacterial and cell attachment of Ti-6Al-4V implants for bone applications. Materials Technology, 2022, 37, 829-841.	3.0	10
3	Plateletâ€rich plasmaâ€hyaluronic acid/chondrotin sulfate/carboxymethyl chitosan hydrogel for cartilage regeneration. Biotechnology and Applied Biochemistry, 2022, 69, 534-547.	3.1	11
4	Rethinking the brain drain: A framework to analyze the future behavior of complex socio-economic systems. Futures, 2022, 135, 102835.	2.5	4
5	Surface functionalization of anodized tantalum with Mn3O4 nanoparticles for effective corrosion protection in simulated inflammatory condition. Ceramics International, 2022, 48, 3148-3156.	4.8	22
6	Polylysine for skin regeneration: A review of recent advances and future perspectives. Bioengineering and Translational Medicine, 2022, 7, e10261.	7.1	29
7	Synthesis, microstructure and biodegradation behavior of MgO-TiO2-PCL nanocomposite coatings on the surface of magnesium-based biomaterials. Materials Letters, 2022, 310, 131142.	2.6	3
8	Effects of co-incorporated ternary elements on biocorrosion stability, antibacterial efficacy, and cytotoxicity of plasma electrolytic oxidized titanium for implant dentistry. Materials Chemistry and Physics, 2022, 276, 125436.	4.0	19
9	Carfilzomib alleviated osteoporosis by targeting PSME1/2 to activate Wnt/Î²-catenin signaling. Molecular and Cellular Endocrinology, 2022, 540, 111520.	3.2	6
10	Human Organsâ€onâ€Chips: A Review of the Stateâ€ofâ€theâ€Art, Current Prospects, and Future Challenges. Advanced Biology, 2022, 6, e2000526.	2.5	21
11	Chitosan-based inks for 3D printing and bioprinting. Green Chemistry, 2022, 24, 62-101.	9.0	76
12	Polysaccharide-based electroconductive hydrogels: Structure, properties and biomedical applications. Carbohydrate Polymers, 2022, 278, 118998.	10.2	22
13	Indirect effects of COVID-19 on the environment: How deep and how long?. Science of the Total Environment, 2022, 810, 152255.	8.0	16
14	Threeâ€dimensionalâ€printed polycaprolactone/polypyrrole conducting scaffolds for differentiation of human olfactory <scp>ectoâ€mesenchymal</scp> stem cells into Schwann cellâ€like phenotypes and promotion of neurite outgrowth. Journal of Biomedical Materials Research - Part A, 2022, 110, 1134-1146.	4.0	11
15	Transplantation of decellularised human amniotic membranes seeded with mesenchymal stem cellâ€educated macrophages into animal models. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 1637-1650.	3.4	4
16	Stem cell therapy for COVID-19 pneumonia. Molecular Biomedicine, 2022, 3, 6.	4.4	7
17	COVIDâ€19: A systematic review and update on prevention, diagnosis, and treatment. MedComm, 2022, 3, e115.	7.2	30
18	Nanomaterials for photothermal and photodynamic cancer therapy. Applied Physics Reviews, 2022, 9, .	11.3	50

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19	Biodegradable Magnesium Biomaterialsâ€"Road to the Clinic. Bioengineering, 2022, 9, 107.	3.5	31
20	3D direct printing of composite bone scaffolds containing polylactic acid and spray dried mesoporous bioactive glass-ceramic microparticles. International Journal of Biological Macromolecules, 2022, 207, 9-22.	7.5	16
21	Polydopamine Biomaterials for Skin Regeneration. ACS Biomaterials Science and Engineering, 2022, 8, 2196-2219.	5.2	26
22	Additive Manufacturing: An Opportunity for the Fabrication of Near-Net-Shape NiTi Implants. Journal of Manufacturing and Materials Processing, 2022, 6, 65.	2.2	20
23	Angiogenesis and vasculogenesis: Status in tissue engineering. , 2022, , 1-13.		0
24	Smart biomaterials: From 3D printing to 4D bioprinting. Methods, 2022, 205, 191-199.	3.8	13
25	Synthesis and characterization of thermosensitive hydrogel based on quaternized chitosan for intranasal delivery of insulin. Biotechnology and Applied Biochemistry, 2021, 68, 247-256.	3.1	25
26	Electrospinning for tissue engineering applications. Progress in Materials Science, 2021, 117, 100721.	32.8	378
27	Synthesis and characterization of electrospun cerium-doped bioactive glass/chitosan/polyethylene oxide composite scaffolds for tissue engineering applications. Ceramics International, 2021, 47, 260-271.	4.8	62
28	Design and fabrication of polycaprolactone/gelatin composite scaffolds for diaphragmatic muscle reconstruction. Journal of Tissue Engineering and Regenerative Medicine, 2021, 15, 78-87.	2.7	6
29	Copper-containing bioactive glasses and glass-ceramics: From tissue regeneration to cancer therapeutic strategies. Materials Science and Engineering C, 2021, 121, 111741.	7.3	65
30	Cerium-doped bioactive glass-loaded chitosan/polyethylene oxide nanofiber with elevated antibacterial properties as a potential wound dressing. Ceramics International, 2021, 47, 9447-9461.	4.8	41
31	Magnetic nanoparticles in cancer therapy. , 2021, , 425-445.		1
32	Hierarchical Microstructure Tailoring of Pure Titanium for Enhancing Cellular Response at Tissue-Implant Interface. Journal of Biomedical Nanotechnology, 2021, 17, 115-130.	1.1	25
33	An overview of the use of biomaterials, nanotechnology, and stem cells for detection and treatment of COVID-19: towards a framework to address future global pandemics. Emergent Materials, 2021, 4, 19-34.	5.7	21
34	Adipose tissue-derived mesenchymal stem cells for breast tissue regeneration. Regenerative Medicine, 2021, 16, 47-70.	1.7	11
35	Polyethylene glycolâ€"modified DOTAP:cholesterol/adenovirus hybrid vectors have improved transduction efficiency and reduced immunogenicity. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	8
36	Cross-linked acellular lung for application in tissue engineering: Effects on biocompatibility, mechanical properties and immunological responses. Materials Science and Engineering C, 2021, 122, 111938.	7.3	10

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37	Timing of surgery following SARSâ€CoVâ€2 infection: an international prospective cohort study. Anaesthesia, 2021, 76, 748-758.	3.8	365
38	Potential for Chemistry in Multidisciplinary, Interdisciplinary, and Transdisciplinary Teaching Activities in Higher Education. Journal of Chemical Education, 2021, 98, 1124-1145.	2.3	26
39	Biodegradable magnesiumâ€based biomaterials: An overview of challenges and opportunities. MedComm, 2021, 2, 123-144.	7.2	77
40	COVID-19: insights into virusâ€"receptor interactions. Molecular Biomedicine, 2021, 2, 10.	4.4	8
41	Natural Polymers Decorated MOF-MXene Nanocarriers for Co-delivery of Doxorubicin/pCRISPR. ACS Applied Bio Materials, 2021, 4, 5106-5121.	4.6	78
42	Multifunctional 3D Hierarchical Bioactive Green Carbon-Based Nanocomposites. ACS Sustainable Chemistry and Engineering, 2021, 9, 8706-8720.	6.7	43
43	Turning Toxic Nanomaterials into a Safe and Bioactive Nanocarrier for Co-delivery of DOX/pCRISPR. ACS Applied Bio Materials, 2021, 4, 5336-5351.	4.6	57
44	CRISPR-Associated (CAS) Effectors Delivery via Microfluidic Cell-Deformation Chip. Materials, 2021, 14, 3164.	2.9	10
45	Metal-Organic Frameworks (MOFs)-Based Nanomaterials for Drug Delivery. Materials, 2021, 14, 3652.	2.9	47
46	Injectable Cell-Laden Hydrogels for Tissue Engineering: Recent Advances and Future Opportunities. Tissue Engineering - Part A, 2021, 27, 821-843.	3.1	32
47	Chitosan-based blends for biomedical applications. International Journal of Biological Macromolecules, 2021, 183, 1818-1850.	7.5	97
48	Editorial: Bioengineered Nanoparticles in Cancer Therapy. Frontiers in Molecular Biosciences, 2021, 8, 706277.	3.5	2
49	Synthesis, characterization and performance enhancement of dry polyaniline-coated neuroelectrodes for electroencephalography measurement. Current Applied Physics, 2021, 27, 43-50.	2.4	9
50	4D bioprinting of tissues and organs. Bioprinting, 2021, 23, e00161.	5.8	34
51	Smart biomaterialsâ€"A proposed definition and overview of the field. Current Opinion in Biomedical Engineering, 2021, 19, 100311.	3.4	29
52	Metalâ€"Organic Frameworks (MOFs) for Cancer Therapy. Materials, 2021, 14, 7277.	2.9	44
53	Fabrication, characterization, and optimization of a novel copper-incorporated chitosan/gelatin-based scaffold for bone tissue engineering applications. BioImpacts, 2021, , .	1.5	6
54	Selective Contribution of Bioactive Glasses to Molecular and Cellular Pathways. ACS Biomaterials Science and Engineering, 2020, 6, 4-20.	5.2	15

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55	Decellularized ECM-derived bioinks: Prospects for the future. Methods, 2020, 171, 108-118.	3.8	113
56	Inducing type 2 immune response, induction of angiogenesis, and anti-bacterial and anti-inflammatory properties make Lacto-n-Neotetraose (LNnT) a therapeutic choice to accelerate the wound healing process. Medical Hypotheses, 2020, 134, 109389.	1.5	14
57	Effect of ZnO pore-sealing layer on anti-corrosion and in-vitro bioactivity behavior of plasma electrolytic oxidized AZ91 magnesium alloy. Materials Letters, 2020, 258, 126779.	2.6	38
58	Decellularization and preservation of human skin: A platform for tissue engineering and reconstructive surgery. Methods, 2020, 171, 62-67.	3.8	34
59	Decellularized human amniotic membrane: From animal models to clinical trials. Methods, 2020, 171, 11-19.	3.8	39
60	Improved corrosion performance of biodegradable magnesium in simulated inflammatory condition via drug-loaded plasma electrolytic oxidation coatings. Materials Chemistry and Physics, 2020, 239, 122003.	4.0	52
61	Application of compatibilized polymer blends in biomedical fields. , 2020, , 511-537.		38
62	Additively manufactured smallâ€diameter vascular grafts with improved tissue healing using a novel SNAP impregnation method. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1322-1331.	3.4	8
63	Synergistic reinforcement of glass-ionomer dental cements with silanized glass fibres. Materials Technology, 2020, 35, 433-445.	3.0	2
64	Decellularization and recellularization strategies for translational medicine. Methods, 2020, 171, 1-2.	3.8	2
65	Tissue engineering with electrospun electro-responsive chitosan-aniline oligomer/polyvinyl alcohol. International Journal of Biological Macromolecules, 2020, 147, 160-169.	7.5	75
66	Potential self-healing functionality in a composite structure: methodology and applications. , 2020, , 53-70.		2
67	Basics of self-healing composite materials. , 2020, , 15-31.		11
68	Self-healing polymers for composite structural applications. , 2020, , 33-51.		5
69	Agarose-based biomaterials for advanced drug delivery. Journal of Controlled Release, 2020, 326, 523-543.	9.9	134
70	Cerium Oxide Nanoparticles: Recent Advances in Tissue Engineering. Materials, 2020, 13, 3072.	2.9	41
71	Quantum Dots: A Review from Concept to Clinic. Biotechnology Journal, 2020, 15, e2000117.	3.5	103
72	Mesenchymal Stem Cell Spheroids Embedded in an Injectable Thermosensitive Hydrogel: An In Situ Drug Formation Platform for Accelerated Wound Healing. ACS Biomaterials Science and Engineering, 2020, 6, 5096-5109.	5.2	48

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73	Conductive biomaterials as nerve conduits: Recent advances and future challenges. Applied Materials Today, 2020, 20, 100784.	4.3	45
74	Synthesis and characterization of timolol maleate-loaded quaternized chitosan-based thermosensitive hydrogel: A transparent topical ocular delivery system for the treatment of glaucoma. International Journal of Biological Macromolecules, 2020, 159, 117-128.	7.5	56
75	Bioactive Glasses and Glass/Polymer Composites for Neuroregeneration: Should We Be Hopeful?. Applied Sciences (Switzerland), 2020, 10, 3421.	2.5	19
76	Zeolite in tissue engineering: Opportunities and challenges. MedComm, 2020, 1, 5-34.	7.2	51
77	Poloxamer: A versatile tri-block copolymer for biomedical applications. Acta Biomaterialia, 2020, 110, 37-67.	8.3	188
78	Nanotechnology for angiogenesis: opportunities and challenges. Chemical Society Reviews, 2020, 49, 5008-5057.	38.1	135
79	Strontium- and Cobalt-Doped Multicomponent Mesoporous Bioactive Glasses (MBGs) for Potential Use in Bone Tissue Engineering Applications. Materials, 2020, 13, 1348.	2.9	46
80	Oxygen-Releasing Scaffolds for Accelerated Bone Regeneration. ACS Biomaterials Science and Engineering, 2020, 6, 2985-2994.	5.2	38
81	Zeolites for theranostic applications. Journal of Materials Chemistry B, 2020, 8, 5992-6012.	5.8	45
82	Principles of biocompatibility. , 2020, , 3-9.		2
83	Cellular response to alumina. , 2020, , 335-352.		0
84	Cellular response to bioactive glasses and glassâ€“ceramics. , 2020, , 395-421.		2
85	Cellular response to metal implants. , 2020, , 453-471.		4
86	Solâ€“Gel Synthesis, Physico-Chemical and Biological Characterization of Cerium Oxide/Polyallylamine Nanoparticles. Polymers, 2020, 12, 1444.	4.5	26
87	Gastrointestinal response to biomaterials. , 2020, , 667-680.		0
88	Nanotechnology for pulmonary and nasal drug delivery. , 2020, , 561-579.		4
89	Nanoengineered biomaterials for infectious diseases. , 2020, , 699-712.		1
90	Nanoengineered biomaterials for diabetes. , 2020, , 735-752.		2

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91	Nanotechnology for ocular and optic drug delivery and targeting. , 2020, , 499-523.		2
92	Nanoengineered biomaterials for cardiovascular disease. , 2020, , 753-766.		1
93	Trends in Biotechnology at the Turn of the Millennium. Recent Patents on Biotechnology, 2020, 14, 78-82.	0.8	12
94	Zeolites in drug delivery: Progress, challenges and opportunities. Drug Discovery Today, 2020, 25, 642-656.	6.4	113
95	Improvement of efficacy and decrement cytotoxicity of oxaliplatin anticancer drug using bovine serum albumin nanoparticles: synthesis, characterisation and release behaviour. IET Nanobiotechnology, 2020, 14, 105-111.	3.8	15
96	Metronidazoleâ€loaded glass ionomer dental cements. International Journal of Applied Ceramic Technology, 2020, 17, 1985-1997.	2.1	3
97	Biomaterials Science and Engineering in the Middle East. ACS Biomaterials Science and Engineering, 2020, 6, 1-3.	5.2	0
98	The in vivo effect of Lacto-N-neotetraose (LNnT) on the expression of type 2 immune response involved genes in the wound healing process. Scientific Reports, 2020, 10, 997.	3.3	11
99	Copper-enriched diamond-like carbon coatings promote regeneration at the boneâ€"implant interface. Heliyon, 2020, 6, e03798.	3.2	33
100	Nomenclature of MOFs. , 2020, , 1-9.		2
101	The role of flexibility in MOFs. , 2020, , 93-110.		4
102	Adsorption, delivery, and controlled release of therapeutic molecules from MOFs. , 2020, , 297-320.		2
103	BioMOFs. , 2020, , 321-345.		3
104	Advanced surface treatment techniques counteract biofilm-associated infections on dental implants. Materials Research Express, 2020, 7, 015417.	1.6	29
105	Agarose-Based Biomaterials: Opportunities and Challenges in Cartilage Tissue Engineering. Polymers, 2020, 12, 1150.	4.5	120
106	Effect of Surfactant type on the Characteristics and Bioactivity of Mesoporous Bioactive Glasses. Advanced Materials Letters, 2020, 11, 1-7.	0.6	0
107	Three-dimensionally printed polycaprolactone/multicomponent bioactive glass scaffolds for potential application in bone tissue engineering. Biomedical Glasses, 2020, 6, 57-69.	2.4	22
108	Laser Cladding of Fluorapatite Nanopowders on Ti6Al4V. Advanced Materials Letters, 2020, 11, 1-5.	0.6	1

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109	Plastic Packaging, Recycling, and Sustainable Development. Encyclopedia of the UN Sustainable Development Goals, 2020, , 544-551.	0.1	4
110	Organic Montmorillonite Intercalated Nano-composites Prevent Post-Surgical Associated Infections. Advanced Materials Letters, 2020, 11, 18-21.	0.6	0
111	Chemistry of biomaterials: future prospects. Current Opinion in Biomedical Engineering, 2019, 10, 181-190.	3.4	58
112	Curcumin: footprints on cardiac tissue engineering. Expert Opinion on Biological Therapy, 2019, 19, 1199-1205.	3.1	13
113	Synergistic effects of carbohydrate polymers on the performance of hybrid injectable bone pastes. European Polymer Journal, 2019, 119, 523-530.	5.4	7
114	Heterotelechelic multiblock polymers using click chemistry. , 2019, , 129-142.		0
115	Functionalized polymers for diagnostic engineering. , 2019, , 301-322.		3
116	Functional polymers: an introduction in the context of biomedical engineering. , 2019, , 1-20.		3
117	Grafted biopolymers II: synthesis and characterization. , 2019, , 43-63.		1
118	Conjugated polymers having semiconducting properties. , 2019, , 65-82.		1
119	Supramolecular metallopolymers. , 2019, , 83-110.		2
120	Functionalized polymers for drug/gene-delivery applications. , 2019, , 275-299.		3
121	Synthesis of titanium oxide nanotubes and their decoration by MnO nanoparticles for biomedical applications. Ceramics International, 2019, 45, 19275-19282.	4.8	19
122	Biocomposites based on hydroxyapatite matrix reinforced with nanostructured monticellite ($CaMgSiO_4$) for biomedical application: Synthesis, characterization, and biological studies. Materials Science and Engineering C, 2019, 105, 109912.	7.3	23
123	Scaffolds for ligament tissue engineering. , 2019, , 299-327.		2
124	Boron-based polymers: opportunities and challenges. Materials Today Chemistry, 2019, 14, 100184.	3.5	31
125	Polyaniline: An introduction and overview. , 2019, , 1-15.		7
126	Synthetic route of PANI (III): Ultrasound-assisted polymerization. , 2019, , 67-89.		2

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127	Synthetic route of PANI (V): Electrochemical polymerization. , 2019, , 105-119.		4
128	Application of polyaniline and its derivatives. , 2019, , 259-272.		17
129	Self-gelling electroactive hydrogels based on chitosanâ€“aniline oligomers/agarose for neural tissue engineering with on-demand drug release. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110549.	5.0	74
130	Editorial overview: Biomaterials: On the biocompatibility of biomaterials. Current Opinion in Biomedical Engineering, 2019, 10, A1-A3.	3.4	1
131	Functional protein to polymer surfaces: an attachment. , 2019, , 191-210.		1
132	Functionally graded titanium implants: Characteristic enhancement induced by combined severe plastic deformation. PLoS ONE, 2019, 14, e0221491.	2.5	46
133	Electrically Conductive Materials: Opportunities and Challenges in Tissue Engineering. Biomolecules, 2019, 9, 448.	4.0	142
134	Fullerene-based delivery systems. Drug Discovery Today, 2019, 24, 898-905.	6.4	134
135	Improved cellular response on functionalized polypyrrole interfaces. Journal of Cellular Physiology, 2019, 234, 15279-15287.	4.1	10
136	Introduction to tissue engineering scaffolds. , 2019, , 3-22.		6
137	Scaffold for bone tissue engineering. , 2019, , 189-209.		14
138	Scaffolds for dental cementum. , 2019, , 563-594.		0
139	Bioengineered cardiac patch scaffolds. , 2019, , 705-728.		2
140	Scaffolds for spinal cord regeneration. , 2019, , 31-66.		0
141	Scaffolds for regeneration of dermo-epidermal skin tissue. , 2019, , 193-209.		5
142	Scaffolds for tracheal tissue engineering. , 2019, , 361-391.		3
143	Scaffolds for tissue engineering of the bronchi. , 2019, , 393-410.		1
144	Scaffolds for lung tissue engineering. , 2019, , 427-448.		5

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145	Scaffolds for reconstruction of the diaphragm. , 2019, , 449-474.		0
146	Scaffolds for corneal tissue engineering. , 2019, , 649-672.		2
147	Moving from clinical trials to clinical practice. , 2019, , 153-164.		0
148	Scaffolds for engineering heart valve. , 2019, , 643-658.		0
149	Scaffolds for blood vessel tissue engineering. , 2019, , 659-684.		0
150	Functionalized polymers for tissue engineering and regenerative medicines. , 2019, , 323-357.		10
151	Characterization methodologies of functional polymers. , 2019, , 359-381.		1
152	State-of-the-art and future perspectives of functional polymers. , 2019, , 383-395.		3
153	Scaffolds for intraocular lens. , 2019, , 693-709.		1
154	Emerging magnesium-based biomaterials for orthopedic implantation. Emerging Materials Research, 2019, 8, 305-319.	0.7	38
155	Electrically conductive nanomaterials for cardiac tissue engineering. Advanced Drug Delivery Reviews, 2019, 144, 162-179.	13.7	137
156	Corneal Repair and Regeneration: Current Concepts and Future Directions. Frontiers in Bioengineering and Biotechnology, 2019, 7, 135.	4.1	105
157	Dental amalgam. , 2019, , 105-125.		0
158	Impression materials for dental prosthesis. , 2019, , 197-215.		4
159	Fiber-reinforced composites. , 2019, , 301-315.		6
160	Status and future scope of plant-based green hydrogels in biomedical engineering. Applied Materials Today, 2019, 16, 213-246.	4.3	154
161	Thermo-sensitive polymers in medicine: A review. European Polymer Journal, 2019, 117, 402-423.	5.4	206
162	Nanoengineered biomaterials for diaphragm regeneration. , 2019, , 345-362.		2

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163	Mesoporous bioactive glasses (MBGs) in cancer therapy: Full of hope and promise. Materials Letters, 2019, 251, 241-246.	2.6	54
164	Chitosan/polyvinyl alcohol nanofibrous membranes: towards green super-adsorbents for toxic gases. Heliyon, 2019, 5, e01527.	3.2	49
165	Preparation and characterization of curcuminâ€loaded polymeric nanomicelles to interference with amyloidogenesis through glycation method. Biotechnology and Applied Biochemistry, 2019, 66, 537-544.	3.1	30
166	Calcium carbonate: Adored and ignored in bioactivity assessment. Acta Biomaterialia, 2019, 91, 35-47.	8.3	72
167	Nitric oxide-releasing vascular grafts: A therapeutic strategy to promote angiogenic activity and endothelium regeneration. Acta Biomaterialia, 2019, 92, 82-91.	8.3	47
168	3D-printed barium strontium titanate-based piezoelectric scaffolds for bone tissue engineering. Ceramics International, 2019, 45, 14029-14038.	4.8	45
169	Controlled NO-Release from 3D-Printed Small-Diameter Vascular Grafts Prevents Platelet Activation and Bacterial Infectivity. ACS Biomaterials Science and Engineering, 2019, 5, 2284-2296.	5.2	34
170	Exploring and Exploiting Tissue Engineering Through the Design of Multifunctional Therapeutic Systems. Current Stem Cell Research and Therapy, 2019, 14, 80-82.	1.3	4
171	Using Bioactive Glasses in the Management of Burns. Frontiers in Bioengineering and Biotechnology, 2019, 7, 62.	4.1	47
172	Nano-immunoengineering: Opportunities and challenges. Current Opinion in Biomedical Engineering, 2019, 10, 51-59.	3.4	23
173	Synthesis and physico-chemical characterization of fluoride (F)- and silver (Ag)-substituted sol-gel mesoporous bioactive glasses. Biomedical Glasses, 2019, 5, 185-192.	2.4	12
174	9. Functionalised antimicrobial polymers. , 2019, , 199-228.		0
175	Emerging Biomedical Applications of Algal Polysaccharides. Current Pharmaceutical Design, 2019, 25, 1335-1344.	1.9	23
176	Niobium-Treated Titanium Implants with Improved Cellular and Molecular Activities at the Tissueâ€"Implant Interface. Materials, 2019, 12, 3861.	2.9	24
177	4. Polymerâ€"metal nanocomposites with antimicrobial activity. , 2019, , 83-106.		1
178	3. Design of biomimetic antimicrobial polymers. , 2019, , 57-82.		0
179	6. Polylactic acid and polyethylene glycol as antimicrobial agents. , 2019, , 125-146.		0
180	Biocompatibility of aluminaâ€based biomaterialsâ€"A review. Journal of Cellular Physiology, 2019, 234, 3321-3335.	4.1	75

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181	Engineering the niche for hair regeneration â€" A critical review. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 15, 70-85.	3.3	32
182	Additive Manufacturing of Biomaterials â˘ The Evolution of Rapid Prototyping. Advanced Engineering Materials, 2019, 21, 1800511.	3.5	103
183	Nanoengineered biomaterials for bladder regeneration. , 2019, , 459-474.		0
184	An introduction to nanoengineered biomaterials. , 2019, , 1-11.		5
185	Glass-ceramics for cancer treatment: So close, or yet so far?. Acta Biomaterialia, 2019, 83, 55-70.	8.3	85
186	Nanoengineered biomaterials for tracheal replacement. , 2019, , 285-303.		2
187	Bevacizumab and erlotinib versus bevacizumab for colorectal cancer treatment: systematic review and meta-analysis. International Journal of Clinical Pharmacy, 2019, 41, 30-41.	2.1	6
188	Corrosion behavior and in-vitro bioactivity of porous Mg/Al2O3 and Mg/Si3N4 metal matrix composites fabricated using microwave sintering process. Materials Chemistry and Physics, 2019, 225, 331-339.	4.0	59
189	Enhanced corrosion resistance and in-vitro biodegradation of plasma electrolytic oxidation coatings prepared on AZ91 Mg alloy using ZnO nanoparticles-incorporated electrolyte. Surface and Coatings Technology, 2019, 360, 153-171.	4.8	119
190	Biological Response to Carbon-Family Nanomaterials: Interactions at the Nano-Bio Interface. Frontiers in Bioengineering and Biotechnology, 2019, 7, 4.	4.1	47
191	Reversible multistimuli-responsive manganeseâ€"zinc ferrite/P(NIPAAM-AAc-AAm) core-shell nanoparticles: A programmed ferrogel system. Materials Chemistry and Physics, 2019, 226, 44-50.	4.0	13
192	Bone Tissue Engineering Using Human Cells: A Comprehensive Review on Recent Trends, Current Prospects, and Recommendations. Applied Sciences (Switzerland), 2019, 9, 174.	2.5	58
193	Nanoengineered biomaterials for lung regeneration. , 2019, , 305-323.		2
194	Nanoengineered biomaterials for intestine regeneration. , 2019, , 363-378.		6
195	Curcumin in tissue engineering: A traditional remedy for modern medicine. BioFactors, 2019, 45, 135-151.	5.4	53
196	Nanoengineered biomaterials for bone/dental regeneration. , 2019, , 13-38.		5
197	Optimisation and biological activities of bioceramic robocast scaffolds provided with an oxygen-releasing coating for bone tissue engineering applications. Ceramics International, 2019, 45, 805-816.	4.8	37
198	Nanoengineered biomaterials for kidney regeneration. , 2019, , 325-344.		7

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199	Nanoengineered biomaterials for cartilage repair. , 2019, , 39-71.		8
200	Makespan minimization for batching work and rework process on a single facility with an aging effect: a hybrid meta-heuristic algorithm for sustainable production management. Journal of Intelligent Manufacturing, 2019, 30, 33-45.	7.3	14
201	Transplantation of Human Chorion-Derived Cholinergic Progenitor Cells: a Novel Treatment for Neurological Disorders. Molecular Neurobiology, 2019, 56, 307-318.	4.0	10
202	Sustained delivery of olanzapine from sunflower oilâ€based polyolâ€urethane nanoparticles synthesised through a cyclic carbonate ringâ€opening reaction. IET Nanobiotechnology, 2019, 13, 703-711.	3.8	12
203	Transplantation of Adipose Tissue-Derived Stem Cells into Brain Through Cerebrospinal Fluid in Rat Models: Protocol Development and Initial Outcome Data. Current Stem Cell Research and Therapy, 2019, 14, 191-195.	1.3	12
204	Chitosan in Biomedical Engineering: A Critical Review. Current Stem Cell Research and Therapy, 2019, 14, 93-116.	1.3	165
205	The Effect of Alpha-Tocopherol on Morphine Tolerance-induced Expression of c-fos Proto-oncogene from a Biotechnological Perspective. Recent Patents on Biotechnology, 2019, 13, 137-148.	0.8	2
206	Antiproliferative Activity of , , and in Interaction with the Prostatic Activity of CD82. Reports of Biochemistry and Molecular Biology, 2019, 8, 260-268.	1.4	7
207	Bioactive Glasses: Sprouting Angiogenesis in Tissue Engineering. Trends in Biotechnology, 2018, 36, 430-444.	9.3	253
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