

Alap Ali Zahid

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.

159
papers

5,359
citations

36
h-index

70
g-index

171
ext. papers

7,070
ext. citations

6.2
avg, IF

6.32
L-index

#	Paper	IF	Citations
159	Exome sequencing of glioblastoma-derived cancer stem cells reveals rare clinically relevant frameshift deletion in MLLT1 gene.. <i>Cancer Cell International</i> , 2022 , 22, 9	6.4	
158	Leveraging the advancements in functional biomaterials and scaffold fabrication technologies for chronic wound healing applications.. <i>Materials Horizons</i> , 2022 ,	14.4	4
157	Single-Cell RNA Sequencing with Spatial Transcriptomics of Cancer Tissues.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	4
156	Empagliflozin inhibits angiotensin II-induced hypertrophy in H9c2 cardiomyoblasts through inhibition of NHE1 expression.. <i>Molecular and Cellular Biochemistry</i> , 2022 , 1	4.2	0
155	Nitric oxide-releasing biomaterials for promoting wound healing in impaired diabetic wounds: State of the art and recent trends.. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 149, 112707	7.5	2
154	A Novel Machine Learning Approach for Severity Classification of Diabetic Foot Complications Using Thermogram Images. <i>Sensors</i> , 2022 , 22, 4249	3.8	0
153	Electrospinning and Three-Dimensional (3D) Printing for Biofabrication 2022 , 555-604		0
152	The expression level of angiotensin-converting enzyme 2 determines the severity of COVID-19: lung and heart tissue as targets. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 3780-3786	3.6	19
151	Irreversible thermal inactivation and conformational lock of alpha glucosidase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 3256-3262	3.6	3
150	p53 signaling in cancer progression and therapy.. <i>Cancer Cell International</i> , 2021 , 21, 703	6.4	8
149	Increased complications of COVID-19 in people with cardiovascular disease: Role of the renin-angiotensin-aldosterone system (RAAS) dysregulation. <i>Chemico-Biological Interactions</i> , 2021 , 351, 109738	5	4
148	Spatial mapping of cancer tissues by OMICS technologies. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021 , 188663	11.2	1
147	Generation of gene edited hiPSC from familial Alzheimer's disease patient carrying N141I missense mutation in presenilin 2. <i>Stem Cell Research</i> , 2021 , 56, 102552	1.6	
146	Stem cells based models: Trends and prospects in biomaterials cytotoxicity studies. <i>Biomedical Materials (Bristol)</i> , 2021 ,	3.5	3
145	Enhancement of mechanical and corrosion resistance properties of electrodeposited Ni-P-TiC composite coatings. <i>Scientific Reports</i> , 2021 , 11, 5327	4.9	4
144	3D Bioprinted cancer models: Revolutionizing personalized cancer therapy. <i>Translational Oncology</i> , 2021 , 14, 101015	4.9	29
143	Magnetic nanocatalysts as multifunctional platforms in cancer therapy through the synthesis of anticancer drugs and facilitated Fenton reaction. <i>Journal of Advanced Research</i> , 2021 , 30, 171-184	13	12

142	3D bioprinting of engineered breast cancer constructs for personalized and targeted cancer therapy. <i>Journal of Controlled Release</i> , 2021 , 333, 91-106	11.7	5
141	Performance Enhancement of PPMIM Drives by Using Three 3-Phase Four-Leg Inverters. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 2516-2526	4.3	1
140	Active agents loaded extracellular matrix mimetic electrospun membranes for wound healing applications. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 63, 102500	4.5	11
139	Stem cell-based approaches in cardiac tissue engineering: controlling the microenvironment for autologous cells. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 138, 111425	7.5	9
138	Current progress in chimeric antigen receptor T cell therapy for glioblastoma multiforme. <i>Cancer Medicine</i> , 2021 , 10, 5019-5030	4.8	2
137	Novel drug delivery systems based on triaxial electrospinning based nanofibers. <i>Reactive and Functional Polymers</i> , 2021 , 163, 104895	4.6	23
136	Bioengineered microfluidic blood-brain barrier models in oncology research. <i>Translational Oncology</i> , 2021 , 14, 101087	4.9	4
135	A review on the cleavage priming of the spike protein on coronavirus by angiotensin-converting enzyme-2 and furin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 3025-3033	3.6	181
134	Nanoporous iron oxide nanoparticle: hydrothermal fabrication, human serum albumin interaction and potential antibacterial effects. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 2595-2606	3.6	5
133	Development of remdesivir repositioning as a nucleotide analog against COVID-19 RNA dependent RNA polymerase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 3771-3779	3.6	18
132	Rapid diagnostics of coronavirus disease 2019 in early stages using nanobiosensors: Challenges and opportunities. <i>Talanta</i> , 2021 , 223, 121704	6.2	15
131	Growth factor loaded in situ photocrosslinkable poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/gelatin methacryloyl hybrid patch for diabetic wound healing. <i>Materials Science and Engineering C</i> , 2021 , 118, 111519	8.3	37
130	Cerium Oxide Nanoparticle-Loaded Gelatin Methacryloyl Hydrogel Wound-Healing Patch with Free Radical Scavenging Activity. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 279-290	5.5	18
129	Hydrothermal method-based synthesized tin oxide nanoparticles: Albumin binding and antiproliferative activity against K562 cells. <i>Materials Science and Engineering C</i> , 2021 , 119, 111649	8.3	4
128	Light-Controlled Growth Factors Release on Tetrapodal ZnO-Incorporated 3D-Printed Hydrogels for Developing Smart Wound Scaffold. <i>Advanced Functional Materials</i> , 2021 , 31, 2007555	15.6	18
127	Gelatin-methacryloyl hydrogel based blood-brain barrier model for studying breast cancer-associated brain metastasis. <i>Pharmaceutical Development and Technology</i> , 2021 , 26, 490-500	3.4	7
126	Bone marrow mesenchymal stem cells preconditioned with nitric-oxide-releasing chitosan/PVA hydrogel accelerate diabetic wound healing in rabbits. <i>Biomedical Materials (Bristol)</i> , 2021 , 16,	3.5	12
125	An engineered microfluidic blood-brain barrier model to evaluate the anti-metastatic activity of Eboswellic acid. <i>Biotechnology Journal</i> , 2021 , 16, e2100044	5.6	2

124	Development of nitric oxide releasing visible light crosslinked gelatin methacrylate hydrogel for rapid closure of diabetic wounds. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 140, 111747	7.5	3
123	Imaging cancer cells with nanostructures: Prospects of nanotechnology driven non-invasive cancer diagnosis. <i>Advances in Colloid and Interface Science</i> , 2021 , 294, 102457	14.3	11
122	Diagnostic and drug release systems based on microneedle arrays in breast cancer therapy. <i>Journal of Controlled Release</i> , 2021 , 338, 341-357	11.7	9
121	Exploring the interaction of quercetin-3-O-sophoroside with SARS-CoV-2 main proteins by theoretical studies: A probable prelude to control some variants of coronavirus including Delta.. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103353	5.9	2
120	Enzyme-polymeric/inorganic metal oxide/hybrid nanoparticle bio-conjugates in the development of therapeutic and biosensing platforms. <i>Journal of Advanced Research</i> , 2021 , 33, 227-239	13	8
119	Sulfated alginate/polycaprolactone double-emulsion nanoparticles for enhanced delivery of heparin-binding growth factors in wound healing applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 208, 112105	6	8
118	Crosslinking Strategies to Develop Hydrogels for Biomedical Applications. <i>Gels Horizons: From Science To Smart Materials</i> , 2021 , 21-57		1
117	Investigating the Properties of Electrodeposited of Ni-P-ZrC Nanocomposite Coatings.. <i>ACS Omega</i> , 2021 , 6, 33310-33324	3.9	2
116	Antimetastatic Activity of Lactoferrin-Coated Mesoporous Maghemite Nanoparticles in Breast Cancer Enabled by Combination Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 3574-3584	5.5	24
115	Oxygen Generating Polymeric Nano Fibers That Stimulate Angiogenesis and Show Efficient Wound Healing in a Diabetic Wound Model. <i>International Journal of Nanomedicine</i> , 2020 , 15, 3511-3522	7.3	20
114	Modulation of proteomic and inflammatory signals by Bradykinin in podocytes. <i>Journal of Advanced Research</i> , 2020 , 24, 409-422	13	2
113	Exosomes: Multiple-targeted multifunctional biological nanoparticles in the diagnosis, drug delivery, and imaging of cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 129, 110442	7.5	16
112	Exploring the Interaction of Cobalt Oxide Nanoparticles with Albumin, Leukemia Cancer Cells and Pathogenic Bacteria by Multispectroscopic, Docking, Cellular and Antibacterial Approaches. <i>International Journal of Nanomedicine</i> , 2020 , 15, 4607-4623	7.3	11
111	Secondary metabolites from <i>acidocarpus orientalis</i> inhibits 4T1 cells and promotes mesenchymal stem cells (MSCs) proliferation. <i>Molecular Biology Reports</i> , 2020 , 47, 5421-5430	2.8	2
110	Plasmonic and chiroplasmonic nanobiosensors based on gold nanoparticles. <i>Talanta</i> , 2020 , 212, 120782	6.2	27
109	Carboxymethylcellulose hybrid nanodispersions for edible coatings with potential anti-cancer properties. <i>International Journal of Biological Macromolecules</i> , 2020 , 157, 350-358	7.9	7
108	Electrospun chitosan membranes containing bioactive and therapeutic agents for enhanced wound healing. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 153-170	7.9	81
107	Nanozyme-based sensing platforms for detection of toxic mercury ions: An alternative approach to conventional methods. <i>Talanta</i> , 2020 , 215, 120939	6.2	24

106	Development of point-of-care nanobiosensors for breast cancers diagnosis. <i>Talanta</i> , 2020 , 217, 121091	6.2	21
105	A novel in ovo model to study cancer metastasis using chicken embryos and GFP expressing cancer cells. <i>Bosnian Journal of Basic Medical Sciences</i> , 2020 , 20, 140-148	3.3	3
104	Phytochemical-assisted biosynthesis of silver nanoparticles from <i>Ajuga bracteosa</i> for biomedical applications. <i>Materials Research Express</i> , 2020 , 7, 075404	1.7	13
103	Ferritin Nanocage Conjugated Hybrid Hydrogel for Tissue Engineering and Drug Delivery Applications. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 277-287	5.5	16
102	Emerging applications of biocompatible phytosynthesized metal/metal oxide nanoparticles in healthcare. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 56, 101516	4.5	41
101	Gold nanozyme: Biosensing and therapeutic activities. <i>Materials Science and Engineering C</i> , 2020 , 108, 110422	8.3	41
100	Enzyme immobilization onto the nanomaterials: Application in enzyme stability and prodrug-activated cancer therapy. <i>International Journal of Biological Macromolecules</i> , 2020 , 143, 665-676	7.9	50
99	Cellular uptake and retention of nanoparticles: Insights on particle properties and interaction with cellular components. <i>Materials Today Communications</i> , 2020 , 25, 101692	2.5	19
98	NiFe ₂ O ₄ /poly(ethylene glycol)/lipid polymer hybrid nanoparticles for anti-cancer drug delivery. <i>New Journal of Chemistry</i> , 2020 , 44, 18162-18172	3.6	9
97	Gold Nanoparticle-Based Platforms for Diagnosis and Treatment of Myocardial Infarction. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 6460-6477	5.5	9
96	Advances of exosome isolation techniques in lung cancer. <i>Molecular Biology Reports</i> , 2020 , 47, 7229-7251	1.8	3
95	Natural halloysite nanotubes /chitosan based bio-nanocomposite for delivering norfloxacin, an anti-microbial agent in sustained release manner. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 1849-1861	7.9	38
94	Loop-Mediated Isothermal Amplification (LAMP): A Rapid, Sensitive, Specific, and Cost-Effective Point-of-Care Test for Coronaviruses in the Context of COVID-19 Pandemic. <i>Biology</i> , 2020 , 9,	4.9	76
93	Multimodal applications of phytonanoparticles 2020 , 195-219		7
92	Targeting SARS-CoV2 Spike Protein Receptor Binding Domain by Therapeutic Antibodies. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 130, 110559	7.5	29
91	Rapid Antibody-Based COVID-19 Mass Surveillance: Relevance, Challenges, and Prospects in a Pandemic and Post-Pandemic World. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	28
90	Recent advances in 3D bioprinting of musculoskeletal tissues. <i>Biofabrication</i> , 2020 ,	10.5	17
89	Experimental investigation of multiphase flow behavior in drilling annuli using high speed visualization technique. <i>Frontiers in Energy</i> , 2020 , 14, 635-643	2.6	6

88	Cerium Oxide Nanoparticle Incorporated Electrospun Poly(3-hydroxybutyrate--3-hydroxyvalerate) Membranes for Diabetic Wound Healing Applications. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 58-70	5.5	69
87	Strategies of enzyme immobilization on nanomatrix supports and their intracellular delivery. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 2746-2762	3.6	14
86	Fabrication and evaluation of anti-cancer efficacy of lactoferrin-coated maghemite and magnetite nanoparticles. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 2945-2954	3.6	14
85	The effects of nickel oxide nanoparticles on structural changes, heme degradation, aggregation of hemoglobin and expression of apoptotic genes in lymphocytes. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 3676-3686	3.6	7
84	Experimental study on the mechanical properties of biological hydrogels of different concentrations. <i>Technology and Health Care</i> , 2020 , 28, 685-695	1.1	1
83	Stromal cell-derived factor loaded co-electrospun hydrophilic/hydrophobic bicomponent membranes for wound protection and healing.. <i>RSC Advances</i> , 2020 , 11, 572-583	3.7	4
82	Phenolic contents-based assessment of therapeutic potential of Syzygium cumini leaves extract. <i>PLoS ONE</i> , 2019 , 14, e0221318	3.7	8
81	Plasmonic gold nanoparticles: Optical manipulation, imaging, drug delivery and therapy. <i>Journal of Controlled Release</i> , 2019 , 311-312, 170-189	11.7	102
80	Cerium oxide NPs mitigate the amyloid formation of β -synuclein and associated cytotoxicity. <i>International Journal of Nanomedicine</i> , 2019 , 14, 6989-7000	7.3	30
79	Silver nanoparticle impregnated chitosan-PEG hydrogel enhances wound healing in diabetes induced rabbits. <i>International Journal of Pharmaceutics</i> , 2019 , 559, 23-36	6.5	159
78	Synthesis and properties of polyelectrolyte multilayered microcapsules reinforced smart coatings. <i>Journal of Materials Science</i> , 2019 , 54, 12079-12094	4.3	24
77	Nitric oxide releasing chitosan-poly (vinyl alcohol) hydrogel promotes angiogenesis in chick embryo model. <i>International Journal of Biological Macromolecules</i> , 2019 , 136, 901-910	7.9	40
76	Wearable Real-Time Heart Attack Detection and Warning System to Reduce Road Accidents. <i>Sensors</i> , 2019 , 19,	3.8	41
75	Yttrium oxide nanoparticle loaded scaffolds with enhanced cell adhesion and vascularization for tissue engineering applications. <i>Materials Science and Engineering C</i> , 2019 , 103, 109801	8.3	43
74	Titanium Nanorods Loaded PCL Meshes with Enhanced Blood Vessel Formation and Cell Migration for Wound Dressing Applications. <i>Macromolecular Bioscience</i> , 2019 , 19, e1900058	5.5	23
73	Experimental Investigation of Volume Fraction in an Annulus Using Electrical Resistance Tomography. <i>SPE Journal</i> , 2019 , 24, 1947-1956	3.1	5
72	Bone Bioprinting: Advancing Frontiers in Bone Bioprinting (Adv. Healthcare Mater. 7/2019). <i>Advanced Healthcare Materials</i> , 2019 , 8, 1970030	10.1	2
71	Advancing Frontiers in Bone Bioprinting. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801048	10.1	113

70	Development of titanium dioxide nanowire incorporated poly(vinylidene fluoride-trifluoroethylene) scaffolds for bone tissue engineering applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2019 , 30, 96	4.5	19
69	The effect of aluminum oxide on red blood cell integrity and hemoglobin structure at nanoscale. <i>International Journal of Biological Macromolecules</i> , 2019 , 138, 800-809	7.9	8
68	Silymarin-albumin nanoplex: Preparation and its potential application as an antioxidant in nervous system in vitro and in vivo. <i>International Journal of Pharmaceutics</i> , 2019 , 572, 118824	6.5	12
67	Structure and Rheological Properties of Bovine Aortic Heart Valve and Pericardium Tissue: Implications in Bioprosthetic and Tissue-Engineered Heart Valves. <i>Journal of Healthcare Engineering</i> , 2019 , 2019, 3290370	3.7	
66	Performance Enhancement of PPMIM Drives by using 3 Three-Phase Four-Leg Inverters 2019 ,		2
65	Vitamin K1 As A Potential Molecule For Reducing Single-Walled Carbon Nanotubes-Stimulated Synuclein Structural Changes And Cytotoxicity. <i>International Journal of Nanomedicine</i> , 2019 , 14, 8433-8444	7.3	10
64	Growth factor releasing core-shell polymeric scaffolds for tissue engineering applications. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 1066-1069	0.9	1
63	Reactive Nitrogen Species Releasing Hydrogel for Enhanced Wound Healing. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 3939-3942	0.9	4
62	Graphene Oxide Loaded Hydrogel for Enhanced Wound Healing in Diabetic Patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 3943-3946	0.9	3
61	Osteopontin: A Promising Therapeutic Target in Cardiac Fibrosis. <i>Cells</i> , 2019 , 8,	7.9	21
60	Reduced Graphene Oxide Incorporated GelMA Hydrogel Promotes Angiogenesis For Wound Healing Applications. <i>International Journal of Nanomedicine</i> , 2019 , 14, 9603-9617	7.3	60
59	CTGF Loaded Electrospun Dual Porous Core-Shell Membrane For Diabetic Wound Healing. <i>International Journal of Nanomedicine</i> , 2019 , 14, 8573-8588	7.3	46
58	Biosynthesis and characterization of graphene by using non-toxic reducing agent from Allium Cepa extract: Anti-bacterial properties. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 151-158	7.9	30
57	Translating advances in organ-on-a-chip technology for supporting organs. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 2006-2018	3.5	18
56	M cell targeting engineered biomaterials for effective vaccination. <i>Biomaterials</i> , 2019 , 192, 75-94	15.6	20
55	Hydrogels for Advanced Stem Cell Therapies: A Biomimetic Materials Approach for Enhancing Natural Tissue Function. <i>IEEE Reviews in Biomedical Engineering</i> , 2019 , 12, 333-351	6.4	27
54	In vitro models and systems for evaluating the dynamics of drug delivery to the healthy and diseased brain. <i>Journal of Controlled Release</i> , 2018 , 273, 108-130	11.7	35
53	Advances in osteobiologic materials for bone substitutes. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 1448-1468	4.4	67

52	Differentiation of human olfactory bulb-derived neural stem cells toward oligodendrocyte. <i>Journal of Cellular Physiology</i> , 2018 , 233, 1321-1329	7	5
51	Novel electrospun chitosan/polyvinyl alcohol/zinc oxide nanofibrous mats with antibacterial and antioxidant properties for diabetic wound healing. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 385-393	7.9	200
50	Nanoparticles in tissue engineering: applications, challenges and prospects. <i>International Journal of Nanomedicine</i> , 2018 , 13, 5637-5655	7.3	188
49	Electrospun polyvinyl alcohol membranes incorporated with green synthesized silver nanoparticles for wound dressing applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 163	4.5	46
48	Kidney-on-a-chip: untapped opportunities. <i>Kidney International</i> , 2018 , 94, 1073-1086	9.9	66
47	Rheological and controlled release properties of hydrogels based on mushroom hyperbranched polysaccharide and xanthan gum. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 2399-2409	7.9	17
46	Fabrication and In Vitro Characterization of a Tissue Engineered PCL-PLLA Heart Valve. <i>Scientific Reports</i> , 2018 , 8, 8187	4.9	35
45	Nanotubes impregnated human olfactory bulb neural stem cells promote neuronal differentiation in Trimethyltin-induced neurodegeneration rat model. <i>Journal of Cellular Physiology</i> , 2017 , 232, 3586-3597	7	19
44	Liver Tissue Engineering 2017 , 297-324		1
43	Biofluid Proteomics and Biomarkers in Traumatic Brain Injury. <i>Methods in Molecular Biology</i> , 2017 , 1598, 45-63	1.4	18
42	Introduction to Tissue Engineering 2017 , 1-34		12
41	Development of Tissue-Engineered Blood Vessels 2017 , 325-361		
40	Engineering Trachea and Larynx 2017 , 363-387		
39	Pulmonary Tissue Engineering 2017 , 389-411		1
38	Cardiac Tissue Engineering 2017 , 413-443		3
37	Approaches and Recent Advances in Heart Valve Tissue Engineering 2017 , 445-463		1
36	Musculoskeletal Tissue Engineering: Tendon, Ligament, and Skeletal Muscle Replacement and Repair 2017 , 465-523		1
35	Biomaterials in Tissue Engineering 2017 , 35-83		4

34	Harnessing the Potential of Stem Cells from Different Sources for Tissue Engineering 2017 , 85-109		1
33	Induced Pluripotent Stem Cells in Scaffold-Based Tissue Engineering 2017 , 111-142		1
32	Biosensors for Optimal Tissue Engineering: Recent Developments and Shaping the Future 2017 , 143-167		4
31	Bioreactors in Tissue Engineering 2017 , 169-213		1
30	Tissue-Engineered Human Skin Equivalents and Their Applications in Wound Healing 2017 , 215-241		
29	Articular Cartilage Tissue Engineering 2017 , 243-295		2
28	Bone Tissue Engineering: State of the Art, Challenges, and Prospects 2017 , 525-551		9
27	Tissue Engineering of the Pancreas 2017 , 553-573		
26	Tissue Engineering of Renal Tissue (Kidney) 2017 , 575-602		
25	Design and Engineering of Neural Tissues 2017 , 603-654		1
24	Neural-Tissue Engineering Interventions for Traumatic Brain Injury 2017 , 655-676		
23	Bionics in Tissue Engineering 2017 , 677-699		1
22	Novel Electrodeposited Ni-B/Y2O3 Composite Coatings with Improved Properties. <i>Coatings</i> , 2017 , 7, 161	2.9	19
21	Current Status of Tissue Engineering in the Management of Severe Hypospadias. <i>Frontiers in Pediatrics</i> , 2017 , 5, 283	3.4	10
20	Genetically unmatched human iPSC and ESC exhibit equivalent gene expression and neuronal differentiation potential. <i>Scientific Reports</i> , 2017 , 7, 17504	4.9	20
19	Mesenchymal Stem Cells in the Treatment of Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2017 , 8, 28	4.1	81
18	Biocorrosion behavior of biodegradable nanocomposite fibers coated layer-by-layer on AM50 magnesium implant. <i>Materials Science and Engineering C</i> , 2016 , 58, 1232-41	8.3	31
17	Nanoengineered biomimetic hydrogels for guiding human stem cell osteogenesis in three dimensional microenvironments. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3544-3554	7.3	122

16	Rheological and Mechanical Behavior of Silk Fibroin Reinforced Waterborne Polyurethane. <i>Polymers</i> , 2016 , 8,	4.5	12
15	Engineered Biomaterials to Enhance Stem Cell-Based Cardiac Tissue Engineering and Therapy. <i>Macromolecular Bioscience</i> , 2016 , 16, 958-77	5.5	36
14	Micro and nanotechnologies in heart valve tissue engineering. <i>Biomaterials</i> , 2016 , 103, 278-292	15.6	31
13	Carbon Nanotubes in Biomedical Applications: Factors, Mechanisms, and Remedies of Toxicity. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 8149-67	8.3	222
12	A multilayered microfluidic blood vessel-like structure. <i>Biomedical Microdevices</i> , 2015 , 17, 88	3.7	82
11	Injectable Hydrogels for Cardiac Tissue Repair after Myocardial Infarction. <i>Advanced Science</i> , 2015 , 2, 1500122	13.6	190
10	Mucoadhesive Chitosan Derivatives as Novel Drug Carriers. <i>Current Pharmaceutical Design</i> , 2015 , 21, 4285-309	3.3	36
9	Bioengineered baculoviruses as new class of therapeutics using micro and nanotechnologies: principles, prospects and challenges. <i>Advanced Drug Delivery Reviews</i> , 2014 , 71, 115-30	18.5	26
8	Biomechanical properties of native and tissue engineered heart valve constructs. <i>Journal of Biomechanics</i> , 2014 , 47, 1949-63	2.9	173
7	Injectable graphene oxide/hydrogel-based angiogenic gene delivery system for vasculogenesis and cardiac repair. <i>ACS Nano</i> , 2014 , 8, 8050-62	16.7	359
6	Microfluidic techniques for development of 3D vascularized tissue. <i>Biomaterials</i> , 2014 , 35, 7308-25	15.6	215
5	A handy review of carpal tunnel syndrome: From anatomy to diagnosis and treatment. <i>World Journal of Radiology</i> , 2014 , 6, 284-300	2.9	82
4	Cell microenvironment engineering and monitoring for tissue engineering and regenerative medicine: the recent advances. <i>BioMed Research International</i> , 2014 , 2014, 921905	3	129
3	Recent advances in application of biosensors in tissue engineering. <i>BioMed Research International</i> , 2014 , 2014, 307519	3	94
2	Electrospun scaffolds for tissue engineering of vascular grafts. <i>Acta Biomaterialia</i> , 2014 , 10, 11-25	10.8	512
1	Evaluation of angiogenic potential of heparin and thyroxine releasing wound dressings. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 1-12	3	0