

Anwarul Hasan

List of Publications by Citations

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170
papers

5,990
citations

37
h-index

72
g-index

178
ext. papers

7,746
ext. citations

5.8
avg, IF

6.41
L-index

#	Paper	IF	Citations
170	Electrospun scaffolds for tissue engineering of vascular grafts. <i>Acta Biomaterialia</i> , 2014 , 10, 11-25	10.8	512
169	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
168	Carbon Nanotubes in Biomedical Applications: Factors, Mechanisms, and Remedies of Toxicity. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 8149-67	8.3	222
167	Microfluidic techniques for development of 3D vascularized tissue. <i>Biomaterials</i> , 2014 , 35, 7308-25	15.6	215
166	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
165	Injectable Hydrogels for Cardiac Tissue Repair after Myocardial Infarction. <i>Advanced Science</i> , 2015 , 2, 1500122	13.6	190
164	Nanoparticles in tissue engineering: applications, challenges and prospects. <i>International Journal of Nanomedicine</i> , 2018 , 13, 5637-5655	7.3	188
163	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
162	Biomechanical properties of native and tissue engineered heart valve constructs. <i>Journal of Biomechanics</i> , 2014 , 47, 1949-63	2.9	173
161	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
160	Cell microenvironment engineering and monitoring for tissue engineering and regenerative medicine: the recent advances. <i>BioMed Research International</i> , 2014 , 2014, 921905	3	129
159	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
158	Advancing Frontiers in Bone Bioprinting. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801048	10.1	113
157	Plasmonic gold nanoparticles: Optical manipulation, imaging, drug delivery and therapy. <i>Journal of Controlled Release</i> , 2019 , 311-312, 170-189	11.7	102
156	Recent advances in application of biosensors in tissue engineering. <i>BioMed Research International</i> , 2014 , 2014, 307519	3	94
155	Potential of Stem Cell-Based Therapy for Ischemic Stroke. <i>Frontiers in Neurology</i> , 2018 , 9, 34	4.1	83
154	A multilayered microfluidic blood vessel-like structure. <i>Biomedical Microdevices</i> , 2015 , 17, 88	3.7	82

153	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
152	Bitumen and Heavy Oil Rheological Properties: Reconciliation with Viscosity Measurements. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1389-1397	2.8	82
151	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
150	Mesenchymal Stem Cells in the Treatment of Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2017 , 8, 28	4.1	81
149	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
148	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
147	Advances in osteobiologic materials for bone substitutes. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 1448-1468	4.4	67
146	Kidney-on-a-chip: untapped opportunities. <i>Kidney International</i> , 2018 , 94, 1073-1086	9.9	66
145	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
144	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
143	Phase behaviour of Maya crude oil based on calorimetry and rheometry. <i>Fluid Phase Equilibria</i> , 2008 , 272, 32-41	2.5	48
142	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
141	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
140	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
139	Evaluation of compressive mechanical properties of Al-foams using electrical conductivity. <i>Composite Structures</i> , 2005 , 71, 191-198	5.3	43
138	Wearable Real-Time Heart Attack Detection and Warning System to Reduce Road Accidents. <i>Sensors</i> , 2019 , 19,	3.8	41
137	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
136	Gold nanozyme: Biosensing and therapeutic activities. <i>Materials Science and Engineering C</i> , 2020 , 108, 110422	8.3	41

135	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
134	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
133	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
132	Rheology of Reconstituted Crude Oils: Artifacts and Asphaltenes. <i>Energy & Fuels</i> , 2010 , 24, 6417-6427	4.7	36
131	Mucoadhesive Chitosan Derivatives as Novel Drug Carriers. <i>Current Pharmaceutical Design</i> , 2015 , 21, 4285-309	3.3	36
130	Engineered Biomaterials to Enhance Stem Cell-Based Cardiac Tissue Engineering and Therapy. <i>Macromolecular Bioscience</i> , 2016 , 16, 958-77	5.5	36
129	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
128	Fabrication and In Vitro Characterization of a Tissue Engineered PCL-PLLA Heart Valve. <i>Scientific Reports</i> , 2018 , 8, 8187	4.9	35
127	Antioxidant properties of gold nanozyme: A review. <i>Journal of Molecular Liquids</i> , 2020 , 297, 112004	6	33
126	Rheological Properties of Nanofiltered Athabasca Bitumen and Maya Crude Oil. <i>Energy & Fuels</i> , 2009 , 23, 5012-5021	4.1	32
125	Measuring the cell wall mechanical properties of Al-alloy foams using the nanoindentation method. <i>Composite Structures</i> , 2008 , 83, 180-188	5.3	32
124	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
123	Cholinergic and dopaminergic neuronal differentiation of human adipose tissue derived mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2018 , 233, 936-945	7	31
122	Micro and nanotechnologies in heart valve tissue engineering. <i>Biomaterials</i> , 2016 , 103, 278-292	15.6	31
121	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
120	Biosynthesis and characterization of graphene by using non-toxic reducing agent from <i>Allium Ceba</i> extract: Anti-bacterial properties. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 151-158	7.9	30
119	Targeting SARS-CoV2 Spike Protein Receptor Binding Domain by Therapeutic Antibodies. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 130, 110559	7.5	29
118	3D Bioprinted cancer models: Revolutionizing personalized cancer therapy. <i>Translational Oncology</i> , 2021 , 14, 101015	4.9	29

117	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
116	Plasmonic and chiroplasmonic nanobiosensors based on gold nanoparticles. <i>Talanta</i> , 2020 , 212, 120782	6.2	27
115	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
114	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
113	Synthesis and properties of polyelectrolyte multilayered microcapsules reinforced smart coatings. <i>Journal of Materials Science</i> , 2019 , 54, 12079-12094	4.3	24
112	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
111	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
110	Combined chemo-magnetic field-photothermal breast cancer therapy based on porous magnetite nanospheres. <i>Scientific Reports</i> , 2020 , 10, 5925	4.9	24
109	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
108	Novel drug delivery systems based on triaxial electrospinning based nanofibers. <i>Reactive and Functional Polymers</i> , 2021 , 163, 104895	4.6	23
107	Development of point-of-care nanobiosensors for breast cancers diagnosis. <i>Talanta</i> , 2020 , 217, 121091	6.2	21
106	Osteopontin: A Promising Therapeutic Target in Cardiac Fibrosis. <i>Cells</i> , 2019 , 8,	7.9	21
105	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
104	Genetically unmatched human iPSC and ESC exhibit equivalent gene expression and neuronal differentiation potential. <i>Scientific Reports</i> , 2017 , 7, 17504	4.9	20
103	M cell targeting engineered biomaterials for effective vaccination. <i>Biomaterials</i> , 2019 , 192, 75-94	15.6	20
102	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
101	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
100	Novel Electrodeposited Ni-B/Y2O3 Composite Coatings with Improved Properties. <i>Coatings</i> , 2017 , 7, 161	2.9	19

99	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
98	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
97	Biofluid Proteomics and Biomarkers in Traumatic Brain Injury. <i>Methods in Molecular Biology</i> , 2017 , 1598, 45-63	1.4	18
96	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
95	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
94	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
93	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
92	Electrospun polylactic acid/date palm polyphenol extract nanofibres for tissue engineering applications. <i>Emergent Materials</i> , 2019 , 2, 141-151	3.5	17
91	MXene Nanosheets May Induce Toxic Effect on the Early Stage of Embryogenesis. <i>Journal of Biomedical Nanotechnology</i> , 2020 , 16, 364-372	4	17
90	Recent advances in 3D bioprinting of musculoskeletal tissues. <i>Biofabrication</i> , 2020 ,	10.5	17
89	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
88	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
87	Poly(lactic-co-glycolic acid) Nanoparticles Loaded with Callistemon citrinus Phenolics Exhibited Anticancer Properties against Three Breast Cancer Cell Lines. <i>Journal of Food Quality</i> , 2019 , 2019, 1-12	2.7	16
86	Albumin binding, antioxidant and antibacterial effects of cerium oxide nanoparticles. <i>Journal of Molecular Liquids</i> , 2019 , 296, 111839	6	16
85	An Improved Model for FE Modeling and Simulation of Closed Cell Al-Alloy Foams. <i>Advances in Materials Science and Engineering</i> , 2010 , 2010, 1-12	1.5	16
84	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
83	Rapid diagnostics of coronavirus disease 2019 in early stages using nanobiosensors: Challenges and opportunities. <i>Talanta</i> , 2021 , 223, 121704	6.2	15
82	Designing and performance evaluation of polyelectrolyte multilayered composite smart coatings. <i>Progress in Organic Coatings</i> , 2019 , 137, 105319	4.8	14

81	Polymeric-based microneedle arrays as potential platforms in the development of drugs delivery systems. <i>Journal of Advanced Research</i> , 2020 , 26, 137-147	13	14
80	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
79	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
78	Estimating in vivo airway surface liquid concentration in trials of inhaled antibiotics. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2007 , 20, 282-93		13
77	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
76	Introduction to Tissue Engineering 2017 , 1-34		12
75	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
74	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
73	Rheological and Mechanical Behavior of Silk Fibroin Reinforced Waterborne Polyurethane. <i>Polymers</i> , 2016 , 8,	4.5	12
72	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
71	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
70	Terminal settling velocity of a single sphere in drilling fluid. <i>Particulate Science and Technology</i> , 2019 , 37, 943-952	2	11
69	Application of gelatin nanoconjugates as potential internal stimuli-responsive platforms for cancer drug delivery. <i>Journal of Molecular Liquids</i> , 2020 , 318, 114053	6	11
68	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
67	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
66	Current Status of Tissue Engineering in the Management of Severe Hypospadias. <i>Frontiers in Pediatrics</i> , 2017 , 5, 283	3.4	10
65	Glomerulus-on-a-Chip. Life Up. <i>Transplantation</i> , 2017 , 101, e343-e344	1.8	10
64	Development of Biopolymeric Hybrid Scaffold-Based on AAC/GO/nHAp/TiO Nanocomposite for Bone Tissue Engineering: In-Vitro Analysis. <i>Nanomaterials</i> , 2021 , 11,	5.4	10

63	Vitamin K1 As A Potential Molecule For Reducing Single-Walled Carbon Nanotubes-Stimulated β -Synuclein Structural Changes And Cytotoxicity. <i>International Journal of Nanomedicine</i> , 2019 , 14, 8433-8444	7.3	10
62	Silybin as a potent inhibitor of α -synuclein aggregation and associated cytotoxicity against neuroblastoma cells induced by zinc oxide nanoparticles. <i>Journal of Molecular Liquids</i> , 2020 , 310, 113198	6	10
61	Bone Tissue Engineering: State of the Art, Challenges, and Prospects 2017 , 525-551		9
60	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
59	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
58	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
57	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
56	Phenolic contents-based assessment of therapeutic potential of <i>Syzygium cumini</i> leaves extract. <i>PLoS ONE</i> , 2019 , 14, e0221318	3.7	8
55	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
54	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
53	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
52	Non-viral delivery systems of DNA into stem cells: Promising and multifarious actions for regenerative medicine. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 60, 101861	4.5	7
51	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
50	Multimodal applications of phytonanoparticles 2020 , 195-219		7
49	Arabinoxylan/graphene-oxide/nHAp-NPs/PVA bionano composite scaffolds for fractured bone healing. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021 , 15, 322-335	4.4	7
48	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
47	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
46	Bubaline Cholecyst Derived Extracellular Matrix for Reconstruction of Full Thickness Skin Wounds in Rats. <i>Scientifica</i> , 2016 , 2016, 2638371	2.6	6

45	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
44	Experimental Investigation of Volume Fraction in an Annulus Using Electrical Resistance Tomography. <i>SPE Journal</i> , 2019 , 24, 1947-1956	3.1	5
43	Differentiation of human olfactory bulb-derived neural stem cells toward oligodendrocyte. <i>Journal of Cellular Physiology</i> , 2018 , 233, 1321-1329	7	5
42	Porcine cholecyst derived extracellular matrix (p-CEM) for reconstruction of full thickness skin wounds in rats. <i>Wound Medicine</i> , 2015 , 10-11, 23-31	2.8	5
41	CHARACTERIZATION OF Bi ₂ Te ₃ THIN FILMS FOR APPLICATION IN MICRO-THERMO ELECTRIC COOLERS. <i>International Journal of Modern Physics B</i> , 2006 , 20, 4063-4068	1.1	5
40	Thermodynamic and anticancer properties of inorganic zinc oxide nanoparticles synthesized through co-precipitation method. <i>Journal of Molecular Liquids</i> , 2021 , 330, 115602	6	5
39	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
38	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
37	Biomaterials in Tissue Engineering 2017 , 35-83		4
36	Biosensors for Optimal Tissue Engineering: Recent Developments and Shaping the Future 2017 , 143-167		4
35	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
34	Bioengineered microfluidic blood-brain barrier models in oncology research. <i>Translational Oncology</i> , 2021 , 14, 101087	4.9	4
33	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
32	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
31	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
30	Halloysite nanotube and chitosan polymer composites: Physicochemical and drug delivery properties. <i>Journal of Drug Delivery Science and Technology</i> , 2022 , 72, 103380	4.5	4
29	Irreversible thermal inactivation and conformational lock of alpha glucosidase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 3256-3262	3.6	3
28	Electrospun PET-PU scaffolds for vascular tissue engineering 2015 ,		3

27	Culture of PC12 neuronal cells in GelMA hydrogel for brain tissue engineering 2015 ,		3
26	Nanosilver loaded GelMA hydrogel for antimicrobial coating of biomedical implants 2015 ,		3
25	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
24	Advances of exosome isolation techniques in lung cancer. <i>Molecular Biology Reports</i> , 2020 , 47, 7229-7251	1-8	3
23	Stem cells based models: Trends and prospects in biomaterials cytotoxicity studies. <i>Biomedical Materials (Bristol)</i> , 2021 ,	3-5	3
22	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
21	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
20	Modulation of proteomic and inflammatory signals by Bradykinin in podocytes. <i>Journal of Advanced Research</i> , 2020 , 24, 409-422	13	2
19	Secondary metabolites from <i>acridocarpus orientalis</i> inhibits 4T1 cells and promotes mesenchymal stem cells (MSCs) proliferation. <i>Molecular Biology Reports</i> , 2020 , 47, 5421-5430	2-8	2
18	Bovine reticulum derived extracellular matrix (b-REM) for reconstruction of full thickness skin wounds in rats. <i>Wound Medicine</i> , 2016 , 12, 19-31	2-8	2
17	Current progress in chimeric antigen receptor T cell therapy for glioblastoma multiforme. <i>Cancer Medicine</i> , 2021 , 10, 5019-5030	4-8	2
16	Performance Enhancement of PPMIM Drives by using 3 Three-Phase Four-Leg Inverters 2019 ,		2
15	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
14	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
13	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
12	Harnessing the Potential of Stem Cells from Different Sources for Tissue Engineering 2017 , 85-109		1
11	Cellular response to nanobiomaterials 2020 , 473-504		1
10	Experimental studies and computer modeling of viscoelastic properties of heart valve leaflets: Implication in heart valve tissue engineering 2015 ,		1

9	Inhibition of p90 ribosomal S6 kinase potentiates cisplatin activity in A549 human lung adenocarcinoma cells. <i>Journal of Pharmacy and Pharmacology</i> , 2020 , 72, 1536-1545	4.8	1
8	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
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