

# Santanu Dhara

## List of Publications by Citations

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168  
papers

3,967  
citations

35  
h-index

54  
g-index

181  
ext. papers

4,741  
ext. citations

5.3  
avg, IF

5.83  
L-index

#	Paper	IF	Citations
168	Isolation and characterization of fish scale collagen of higher thermal stability. <i>Bioresource Technology</i> , <b>2010</b> , 101, 3737-42	11	257
167	A Simple Direct Casting Route to Ceramic Foams. <i>Journal of the American Ceramic Society</i> , <b>2003</b> , 86, 1645-1650	124	
166	Stimulus-Responsive, Biodegradable, Biocompatible, Covalently Cross-Linked Hydrogel Based on Dextrin and Poly(N-isopropylacrylamide) for in Vitro/in Vivo Controlled Drug Release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 14338-51	9.5	92
165	Dextrin cross linked with poly(HEMA): a novel hydrogel for colon specific delivery of ornidazole. <i>RSC Advances</i> , <b>2013</b> , 3, 25340	3.7	92
164	Enhanced redifferentiation of chondrocytes on microperiodic silk/gelatin scaffolds: toward tailor-made tissue engineering. <i>Biomacromolecules</i> , <b>2013</b> , 14, 311-21	6.9	89
163	Dextrin and poly(acrylic acid)-based biodegradable, non-cytotoxic, chemically cross-linked hydrogel for sustained release of ornidazole and ciprofloxacin. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 4791-803	9.5	89
162	Carbon nanodots from date molasses: new nanolights for the in vitro scavenging of reactive oxygen species. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 6839-6847	7.3	85
161	Enzymatically crosslinked carboxymethylchitosan/gelatin/nano-hydroxyapatite injectable gels for in situ bone tissue engineering application. <i>Materials Science and Engineering C</i> , <b>2011</b> , 31, 1295-1304	8.3	79
160	Egg White as an Environmentally Friendly Low-Cost Binder for Gelcasting of Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 3048-3050	3.8	76
159	Chitosan-collagen scaffolds with nano/microfibrous architecture for skin tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2013</b> , 101, 3482-92	5.4	74
158	Collagen scaffolds derived from fresh water fish origin and their biocompatibility. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2012</b> , 100, 1068-79	5.4	73
157	Green Reduced Graphene Oxide Toughened Semi-IPN Monolith Hydrogel as Dual Responsive Drug Release System: Rheological, Physicomechanical, and Electrical Evaluations. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 7201-7218	3.4	61
156	Onion derived carbon nanodots for live cell imaging and accelerated skin wound healing. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 6579-6592	7.3	60
155	Influence of Porosity and Pore-Size Distribution in TiAl V Foam on Physicomechanical Properties, Osteogenesis, and Quantitative Validation of Bone Ingrowth by Micro-Computed Tomography. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39235-39248	9.5	59
154	Mechanically robust dual responsive water dispersible-graphene based conductive elastomeric hydrogel for tunable pulsatile drug release. <i>Ultrasonics Sonochemistry</i> , <b>2018</b> , 42, 212-227	8.9	58
153	Development of chitosan-tripolyphosphate fibers through pH dependent ionotropic gelation. <i>Carbohydrate Research</i> , <b>2011</b> , 346, 2582-8	2.9	57
152	Waste chimney oil to nanolights: A low cost chemosensor for tracer metal detection in practical field and its polymer composite for multidimensional activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 180, 56-67	6.7	55

151	Accelerated healing of full thickness dermal wounds by macroporous waterborne polyurethane-chitosan hydrogel scaffolds. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 133-143	8.3	55
150	One pot synthesis of intriguing fluorescent carbon dots for sensing and live cell imaging. <i>Talanta</i> , <b>2016</b> , 150, 253-64	6.2	53
149	Thermoresponsive biodegradable PEG-PCL-PEG based injectable hydrogel for pulsatile insulin delivery. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2014</b> , 102, 1500-9	5.4	50
148	Hydrogels and electrospun nanofibrous scaffolds of N-methylene phosphonic chitosan as bioinspired osteoconductive materials for bone grafting. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 1354-1362	10.3	49
147	In Situ Silver Nanowire Deposited Cross-Linked Carboxymethyl Cellulose: A Potential Transdermal Anticancer Drug Carrier. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 36583-36595	9.5	48
146	Heteroatom doped blue luminescent carbon dots as a nano-probe for targeted cell labeling and anticancer drug delivery vehicle. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 237, 121860	4.4	47
145	Bilayered nanofibrous 3D hierarchy as skin rudiment by emulsion electrospinning for burn wound management. <i>Biomaterials Science</i> , <b>2017</b> , 5, 1786-1799	7.4	46
144	A biodegradable, biocompatible transdermal device derived from carboxymethyl cellulose and multi-walled carbon nanotubes for sustained release of diclofenac sodium. <i>RSC Advances</i> , <b>2016</b> , 6, 19605-19614	3.7	46
143	Biocompatible carbon dots derived from L-carrageenan and phenyl boronic acid for dual modality sensing platform of sugar and its anti-diabetic drug release behavior. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 132, 316-329	7.9	43
142	Converting waste Allium sativum peel to nitrogen and sulphur co-doped photoluminescence carbon dots for solar conversion, cell labeling, and photobleaching diligences: A path from discarded waste to value-added products. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2019</b> , 197, 111545	6.7	42
141	Dextrin and poly(lactide)-based biocompatible and biodegradable nanogel for cancer targeted delivery of doxorubicin hydrochloride. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 2965-2975	4.9	41
140	A Simple Approach for an Eggshell-Based 3D-Printed Osteoinductive Multiphasic Calcium Phosphate Scaffold. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 11910-24	9.5	41
139	Multi-nucleated cells use ROS to induce breast cancer chemo-resistance in vitro and in vivo. <i>Oncogene</i> , <b>2018</b> , 37, 4546-4561	9.2	40
138	Polysaccharide and poly(methacrylic acid) based biodegradable elastomeric biocompatible semi-IPN hydrogel for controlled drug delivery. <i>Materials Science and Engineering C</i> , <b>2018</b> , 92, 34-51	8.3	40
137	Nano-/Microfibrous Cotton-Wool-Like 3D Scaffold with Core-Shell Architecture by Emulsion Electrospinning for Skin Tissue Regeneration. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 3563-3575	5.5	38
136	Silk Sponges Ornamented with a Placenta-Derived Extracellular Matrix Augment Full-Thickness Cutaneous Wound Healing by Stimulating Neovascularization and Cellular Migration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 16977-16991	9.5	37
135	Influence of Slurry Characteristics on Porosity and Mechanical Properties of Alumina Foams. <i>International Journal of Applied Ceramic Technology</i> , <b>2006</b> , 3, 382-392	2	36
134	Dual doped biocompatible multicolor luminescent carbon dots for bio labeling, UV-active marker and fluorescent polymer composite. <i>Luminescence</i> , <b>2018</b> , 33, 1136-1145	2.5	35

133	In vitro cytocompatibility and blood compatibility of polysulfone blend, surface-modified polysulfone and polyacrylonitrile membranes for hemodialysis. <i>RSC Advances</i> , <b>2015</b> , 5, 7023-7034	3.7	34
132	Core-Shell Nanofibrous Scaffold Based on Polycaprolactone-Silk Fibroin Emulsion Electrospinning for Tissue Engineering Applications. <i>Bioengineering</i> , <b>2018</b> , 5,	5.3	34
131	Physico-chemical/biological properties of tripolyphosphate cross-linked chitosan based nanofibers. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 1446-54	8.3	33
130	Accelerating full thickness wound healing using collagen sponge of mrigal fish ( <i>Cirrhinus cirrhosus</i> ) scale origin. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1507-1518	7.9	33
129	Design of psyllium-g-poly(acrylic acid-co-sodium acrylate)/cloisite 10A semi-IPN nanocomposite hydrogel and its mechanical, rheological and controlled drug release behaviour. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 983-998	7.9	32
128	Biocompatible nanogel derived from functionalized dextrin for targeted delivery of doxorubicin hydrochloride to MG 63 cancer cells. <i>Carbohydrate Polymers</i> , <b>2017</b> , 171, 27-38	10.3	31
127	Simultaneous hydrothermal bioactivation with nano-topographic modulation of porous titanium alloys towards enhanced osteogenic and antimicrobial responses. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 2877-2893	7.3	31
126	Stimuli-responsive, biocompatible hydrogel derived from glycogen and poly(N-isopropylacrylamide) for colon targeted delivery of ornidazole and 5-amino salicylic acid. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 5426-5435	4.9	31
125	On-Demand Guided Bone Regeneration with Microbial Protection of Ornamented SPU Scaffold with Bismuth-Doped Single Crystalline Hydroxyapatite: Augmentation and Cartilage Formation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 4086-100	9.5	30
124	Electrospun nanofibers of a phosphorylated polymer--a bioinspired approach for bone graft applications. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 94, 177-83	6	30
123	In vitro ALP and osteocalcin gene expression analysis and in vivo biocompatibility of N-methylene phosphonic chitosan nanofibers for bone regeneration. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 870-9	4	30
122	Surface Modification of Eggshell Membrane with Electrospun Chitosan/Polycaprolactone Nanofibers for Enhanced Dermal Wound Healing.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 985-998	4.1	30
121	Covalent cross-links in polyampholytic chitosan fibers enhances bone regeneration in a rabbit model. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 125, 160-9	6	29
120	Investigating the potential of human placenta-derived extracellular matrix sponges coupled with amniotic membrane-derived stem cells for osteochondral tissue engineering. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 613-625	7.3	29
119	Organic solvent-free low temperature method of preparation for self assembled amphiphilic poly( $\epsilon$ -caprolactone)-poly(ethylene glycol) block copolymer based nanocarriers for protein delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 135, 510-517	6	28
118	Influence of Nature and Amount of Dispersant on Rheology of Aged Aqueous Alumina Gelcasting Slurries. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 547-552	3.8	28
117	Polycaprolactone nanofibers functionalized with placental derived extracellular matrix for stimulating wound healing activity. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 6767-6780	7.3	28
116	Sonication Assisted Hierarchical Decoration of Ag-NP on Zinc Oxide Nanoflower Impregnated Eggshell Membrane: Evaluation of Antibacterial Activity and in Vitro Cytocompatibility. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 13717-13733	8.3	26

115	Synthesis of Nanocrystalline Alumina Using Egg White. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 2003-2004	3.8	26
114	Green Machining to Net Shape Alumina Ceramics Prepared Using Different Processing Routes. <i>International Journal of Applied Ceramic Technology</i> , <b>2005</b> , 2, 262-270	2	26
113	Inhibition of fibrillation of human serum albumin through interaction with chitosan-based biocompatible silver nanoparticles. <i>RSC Advances</i> , <b>2016</b> , 6, 43104-43115	3.7	26
112	Comparison of Osteoconduction, cytocompatibility and corrosion protection performance of hydroxyapatite-calcium hydrogen phosphate composite coating synthesized in-situ through pulsed electro-deposition with varying amount of phase and crystallinity. <i>Surfaces and Interfaces</i> , <b>2018</b> , 10, 1-10	4.1	26
111	MWCNT reinforced bone like calcium phosphate/hydroxyapatite composite coating developed through pulsed electrodeposition with varying amount of apatite phase and crystallinity to promote superior osteoconduction, cytocompatibility and corrosion protection performance compared to bare metallic implant surface. <i>Surface and Coatings Technology</i> , <b>2017</b> , 325, 496-514	4.4	25
110	Oleoyl-Chitosan-Based Nanofiber Mats Impregnated with Amniotic Membrane Derived Stem Cells for Accelerated Full-Thickness Excisional Wound Healing. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 1738-1749	5.5	25
109	Excavating the Role of Aloe Vera Wrapped Mesoporous Hydroxyapatite Frame Ornamentation in Newly Architected Polyurethane Scaffolds for Osteogenesis and Guided Bone Regeneration with Microbial Protection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 5941-60	9.5	24
108	Anisotropy Properties of Tissues: A Basis for Fabrication of Biomimetic Anisotropic Scaffolds for Tissue Engineering. <i>Journal of Bionic Engineering</i> , <b>2019</b> , 16, 842-868	2.7	24
107	Development and application of a nanocomposite derived from crosslinked HPMC and Au nanoparticles for colon targeted drug delivery. <i>RSC Advances</i> , <b>2015</b> , 5, 27481-27490	3.7	24
106	Novel pH-sensitive alginate hydrogel delivery system reinforced with gum tragacanth for intestinal targeting of nutraceuticals. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 147, 675-687	7.9	23
105	2,5-Dimethoxy 2,5-dihydrofuran crosslinked chitosan fibers enhance bone regeneration in rabbit femur defects. <i>RSC Advances</i> , <b>2014</b> , 4, 19516-19524	3.7	23
104	Critical issues in near net shape forming via green machining of ceramics: A case study of alumina dental crownPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , <b>2013</b> , 1, 274-281	2.4	23
103	Nanocomposite hydrogel derived from poly (methacrylic acid)/carboxymethyl cellulose/AuNPs: A potential transdermal drugs carrier. <i>Polymer</i> , <b>2017</b> , 120, 9-19	3.9	22
102	βCyclodextrin based pH and thermo-responsive biopolymeric hydrogel as a dual drug carrier. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 385-393	7.8	22
101	Development of chitosan-tripolyphosphate non-woven fibrous scaffolds for tissue engineering application. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2012</b> , 23, 1085-96	4.5	22
100	Microfabrication of green ceramics: Contact vs. non-contact machining. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 3909-3916	6	21
99	The heat-chill method for preparation of self-assembled amphiphilic poly(ε-caprolactone)-poly(ethylene glycol) block copolymer based micellar nanoparticles for drug delivery. <i>Soft Matter</i> , <b>2014</b> , 10, 2150-9	3.6	21
98	Microwave assisted rapid synthesis of N-methylene phosphonic chitosan via Mannich-type reaction. <i>Carbohydrate Polymers</i> , <b>2015</b> , 133, 345-52	10.3	20

97	Cell Tracking, Reactive Oxygen Species Scavenging, and Antioxidative Gene Down Regulation by Long-Term Exposure of Biomass-Derived Carbon Dots. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 346-356	5.5	20
96	Synthesis, characterization and cytocompatibility assessment of hydroxyapatite-polypyrrole composite coating synthesized through pulsed reverse electrochemical deposition. <i>Materials Science and Engineering C</i> , <b>2019</b> , 94, 597-607	8.3	20
95	Biopolymeric nanogel derived from functionalized glycogen towards targeted delivery of 5-fluorouracil. <i>Polymer</i> , <b>2018</b> , 140, 122-130	3.9	19
94	Citrate cross-linked gels with strain reversibility and viscoelastic behavior accelerate healing of osteochondral defects in a rabbit model. <i>Langmuir</i> , <b>2014</b> , 30, 8442-51	4	19
93	Poly(maleic acid) ÆA novel dispersant for aqueous alumina slurryPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , <b>2013</b> , 1, 184-190	2.4	19
92	Role of nanofibers on MSCs fate: Influence of fiber morphologies, compositions and external stimuli. <i>Materials Science and Engineering C</i> , <b>2020</b> , 107, 110218	8.3	19
91	Hierarchical surface morphology on Ti6Al4V via patterning and hydrothermal treatment towards improving cellular response. <i>Applied Surface Science</i> , <b>2019</b> , 478, 806-817	6.7	18
90	Bioimpedimetric analysis in conjunction with growth dynamics to differentiate aggressiveness of cancer cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 783	4.9	18
89	Osteoblastic cellular responses on ionically crosslinked chitosan-tripolyphosphate fibrous 3-D mesh scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2013</b> , 101, 2526-37	5.4	18
88	In vitro evaluation of osteoconductivity and cellular response of zirconia and alumina based ceramics. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 3923-30	8.3	18
87	Biocompatible, stimuli-responsive hydrogel of chemically crosslinked Æcyclodextrin as amoxicillin carrier. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45939	2.9	18
86	Osseointegration assessment of extrusion printed Ti6Al4V scaffold towards accelerated skeletal defect healing via tissue in-growth. <i>Bioprinting</i> , <b>2017</b> , 6, 8-17	7	17
85	Chitosan derivatives cross-linked with iodinated 2,5-dimethoxy-2,5-dihydrofuran for non-invasive imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 17926-36	9.5	17
84	Coagulant assisted foaming ÆA method for cellular Ti6Al4V: Influence of microstructure on mechanical properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 689, 63-71	5.3	16
83	Carbon nanodot impregnated fluorescent nanofibers for in vivo monitoring and accelerating full-thickness wound healing. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 6645-6656	7.3	16
82	Biomimetic silk fibroin and xanthan gum blended hydrogels for connective tissue regeneration. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 165, 874-882	7.9	16
81	Identification and characterization of bioactive phenolic constituents, anti-proliferative, and anti-angiogenic activity of stem extracts of. <i>Journal of Food Science and Technology</i> , <b>2018</b> , 55, 1675-1684	3.3	15
80	pH-labile and photochemically cross-linkable polymer vesicles from coumarin based random copolymer for cancer therapy. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 555, 132-144	9.3	15

79	Net shape forming of green alumina via CNC machining using diamond embedded tool. <i>Ceramics International</i> , <b>2013</b> , 39, 8985-8993	5.1	15
78	Fabrication and characterization of polyvinyl alcohol/metal (Ca, Mg, Ti) doped zirconium phosphate nanocomposite films for scaffold-guided tissue engineering application. <i>Materials Science and Engineering C</i> , <b>2017</b> , 71, 363-371	8.3	15
77	Surfactant and catalyst free facile synthesis of Al-doped ZnO nanorods [An approach towards fabrication of single nanorod electrical devices. <i>Applied Surface Science</i> , <b>2020</b> , 512, 145732	6.7	14
76	Single step synthesized sulfur and nitrogen doped carbon nanodots from whey protein: nanoprobe for longterm cell tracking crossing the barrier of photo-toxicity. <i>RSC Advances</i> , <b>2016</b> , 6, 60794-60804	3.7	14
75	Alumina Fiber with Platelet Morphology Through Wet Spinning. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 1234-1240	3.8	14
74	Collagen intermingled chitosan-tripolyphosphate nano/micro fibrous scaffolds for tissue-engineering application. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2012</b> , 23, 1923-38	3.5	14
73	Novel pH-responsive graft copolymer based on HPMC and poly(acrylamide) synthesised by microwave irradiation: application in controlled release of ornidazole. <i>Cellulose</i> , <b>2015</b> , 22, 313-327	5.5	13
72	Laser surface remelting of Ti and its alloys for improving surface biocompatibility of orthopaedic implants. <i>Materials Technology</i> , <b>2018</b> , 33, 106-118	2.1	13
71	Carbon Nanodots Doped Super-paramagnetic Iron Oxide Nanoparticles for Multimodal Bioimaging and Osteochondral Tissue Regeneration via External Magnetic Actuation. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 3549-3560	5.5	12
70	In Situ Iodination Cross-Linking of Silk for Radio-Opaque Antimicrobial Surgical Sutures. <i>ACS Biomaterials Science and Engineering</i> , <b>2016</b> , 2, 188-196	5.5	12
69	Synthesis of RAFT-Mediated Amphiphilic Graft Copolymeric Micelle Using Dextran and Poly (Oleic Acid) toward Oral Delivery of Nifedipine. <i>Journal of Polymer Science Part A</i> , <b>2018</b> , 56, 2354-2363	2.5	12
68	Ex vivo bio-compatibility of honey-alginate fibrous matrix for HaCaT and 3T3 with prime molecular expressions. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2014</b> , 25, 2659-67	4.5	11
67	Biopolymeric pH-responsive fluorescent gel for in-vitro and in-vivo colon specific delivery of metronidazole and ciprofloxacin. <i>European Polymer Journal</i> , <b>2019</b> , 114, 255-264	5.2	10
66	Hybrid electrospun fibers based on TPU-PDMS and spherical nanohydroxyapatite for bone tissue engineering. <i>Materials Today Communications</i> , <b>2018</b> , 16, 264-273	2.5	10
65	Biofunctional Phosphorylated Chitosan Hydrogels Prepared Above pH 6 and Effect of Crosslinkers on Gel Properties Towards Biomedical Applications. <i>Soft Materials</i> , <b>2014</b> , 12, 27-35	1.7	10
64	Structurally Tuned Antimicrobial Mesoporous Hydroxyapatite Nanorods by Cyclic Oligosaccharides Regulation To Release a Drug for Osteomyelitis. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 433-445	3.5	9
63	Biocompatible amphiphilic microgel derived from dextrin and poly(methyl methacrylate) for dual drugs carrier. <i>Polymer</i> , <b>2016</b> , 107, 282-291	3.9	9
62	Deposition of zinc oxide nanomaterial on different substrates for useful applications. <i>CrystEngComm</i> , <b>2014</b> , 16, 4322	3.3	9

61	Development of ultrafine chitosan fibers through modified wet spinning technique. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 1550-1557	2.9	9
60	Carbon nano dot decorated copper nanowires for SERS-Fluorescence dual-mode imaging/anti-microbial activity and enhanced angiogenic activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 227, 117669	4.4	9
59	Tailorable hydrogel of gelatin with silk fibroin and its activation/crosslinking for enhanced proliferation of fibroblast cells. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 4073-4083	7.9	9
58	Carbon nanodot decorated acellular dermal matrix hydrogel augments chronic wound closure. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 9277-9294	7.3	9
57	Decellularized bone matrix/oleoyl chitosan derived supramolecular injectable hydrogel promotes efficient bone integration. <i>Materials Science and Engineering C</i> , <b>2021</b> , 119, 111604	8.3	8
56	Manganese oxide-carbon quantum dots nano-composites for fluorescence/magnetic resonance (T1) dual mode bioimaging, long term cell tracking, and ROS scavenging. <i>Materials Science and Engineering C</i> , <b>2019</b> , 102, 427-436	8.3	7
55	Design of porous titanium scaffold for complete mandibular reconstruction: The influence of pore architecture parameters. <i>Computers in Biology and Medicine</i> , <b>2019</b> , 108, 31-41	7	7
54	Bioinspired 3D porous human placental derived extracellular matrix/silk fibroin sponges for accelerated bone regeneration. <i>Materials Science and Engineering C</i> , <b>2020</b> , 113, 110990	8.3	7
53	Osteochondral Defects Healing Using Extracellular Matrix Mimetic Phosphate/Sulfate Decorated GAGs-Agarose Gel and Quantitative Micro-CT Evaluation. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 149-164	5.5	7
52	Impact of styrene maleic anhydride (SMA) based hydrogel on rat fallopian tube as contraceptive implant with selective antimicrobial property. <i>Materials Science and Engineering C</i> , <b>2019</b> , 94, 94-107	8.3	7
51	Morphology-induced physico-mechanical and biological characteristics of TPU-PDMS blend scaffolds for skin tissue engineering applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2019</b> , 107, 1634-1644	3.5	7
50	Development of a Thermoresponsive Polymeric Composite Film Using Cross-Linked Cyclodextrin Embedded with Carbon Quantum Dots as a Transdermal Drug Carrier. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 3285-3293	4.1	7
49	Isolation and mass spectrometry based hydroxyproline mapping of type II collagen derived from ear cartilage. <i>Communications Biology</i> , <b>2019</b> , 2, 146	6.7	6
48	Dual Functionalized Injectable Hybrid Extracellular Matrix Hydrogel for Burn Wounds. <i>Biomacromolecules</i> , <b>2021</b> , 22, 514-533	6.9	6
47	Synthesis of a new triple-responsive biocompatible block copolymer: Self-assembled nanoparticles as potent anticancer drug delivery vehicle. <i>Reactive and Functional Polymers</i> , <b>2020</b> , 154, 104679	4.6	5
46	Effect of Vitamin E and a Long-Chain Alcohol -Octanol on the Carbohydrate-Based Nonionic Amphiphile Sucrose Monolaurate-Formulation of Newly Developed Niosomes and Application in Cell Imaging. <i>ACS Omega</i> , <b>2017</b> , 2, 7637-7646	3.9	5
45	A reductionist approach to extract robust molecular markers from microarray data series - Isolating markers to track osseointegration. <i>Journal of Biomedical Informatics</i> , <b>2017</b> , 68, 104-111	10.2	4
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