

Xuetao Shi

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137
papers

3,942
citations

36
h-index

56
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142
ext. papers

4,711
ext. citations

7.5
avg, IF

5.65
L-index

#	Paper	IF	Citations
137	The preparation and characterization of polycaprolactone/graphene oxide biocomposite nanofiber scaffolds and their application for directing cell behaviors. <i>Carbon</i> , 2015 , 95, 1039-1050	10.4	174
136	Regulating Cellular Behavior on Few-Layer Reduced Graphene Oxide Films with Well-Controlled Reduction States. <i>Advanced Functional Materials</i> , 2012 , 22, 751-759	15.6	167
135	The Antibacterial Applications of Graphene and Its Derivatives. <i>Small</i> , 2016 , 12, 4165-84	11	136
134	Enhancing alendronate release from a novel PLGA/hydroxyapatite microspheric system for bone repairing applications. <i>Pharmaceutical Research</i> , 2009 , 26, 422-30	4.5	126
133	3D Bioprinting in Skeletal Muscle Tissue Engineering. <i>Small</i> , 2019 , 15, e1805530	11	113
132	Microfluidic Spinning of Cell-Responsive Grooved Microfibers. <i>Advanced Functional Materials</i> , 2015 , 25, 2250-2259	15.6	104
131	A Rapidly Self-Healing Host-Guest Supramolecular Hydrogel with High Mechanical Strength and Excellent Biocompatibility. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9008-9012	16.4	98
130	Novel mesoporous silica-based antibiotic releasing scaffold for bone repair. <i>Acta Biomaterialia</i> , 2009 , 5, 1697-707	10.8	96
129	Myotube Formation on gelatin nanofibers - multi-walled carbon nanotubes hybrid scaffolds. <i>Biomaterials</i> , 2014 , 35, 6268-77	15.6	93
128	High internal phase emulsions stabilised by supramolecular cellulose nanocrystals and their application as cell-adhesive macroporous hydrogel monoliths. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2671-2678	7.3	91
127	3D-printable self-healing and mechanically reinforced hydrogels with host-guest non-covalent interactions integrated into covalently linked networks. <i>Materials Horizons</i> , 2019 , 6, 733-742	14.4	90
126	PHBV microspheres-PLGA matrix composite scaffold for bone tissue engineering. <i>Biomaterials</i> , 2010 , 31, 4278-85	15.6	88
125	Tissue-Engineered Trachea Consisting of Electrospun Patterned sc-PLA/GO- g-IL Fibrous Membranes with Antibacterial Property and 3D-Printed Skeletons with Elasticity. <i>Biomacromolecules</i> , 2019 , 20, 1765-1776	6.9	77
124	In-vitro osteogenesis of synovium stem cells induced by controlled release of bisphosphate additives from microspherical mesoporous silica composite. <i>Biomaterials</i> , 2009 , 30, 3996-4005	15.6	77
123	Graphene oxide/PVA inorganic/organic interpenetrating hydrogels with excellent mechanical properties and biocompatibility. <i>Carbon</i> , 2017 , 111, 18-27	10.4	74
122	Periosteum-mimetic structures made from freestanding microgrooved nanosheets. <i>Advanced Materials</i> , 2014 , 26, 3290-6	24	72
121	Synergistic effects of nucleating agents and plasticizers on the crystallization behavior of poly(lactic acid). <i>Molecules</i> , 2015 , 20, 1579-93	4.8	70

120	Biomimetic mineralized hierarchical hybrid scaffolds based on in situ synthesis of nano-hydroxyapatite/chitosan/chondroitin sulfate/hyaluronic acid for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 157, 93-100	6	63
119	Microsphere-based drug releasing scaffolds for inducing osteogenesis of human mesenchymal stem cells in vitro. <i>European Journal of Pharmaceutical Sciences</i> , 2010 , 39, 59-67	5.1	56
118	Gradient-regulated hydrogel for interface tissue engineering: steering simultaneous osteo/chondrogenesis of stem cells on a chip. <i>Advanced Healthcare Materials</i> , 2013 , 2, 846-53	10.1	53
117	A novel Ti-based nanoglass composite with submicron-nanometer-sized hierarchical structures to modulate osteoblast behaviors. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2568-2574	7.3	52
116	Chitosan hydrogel incorporated with dental pulp stem cell-derived exosomes alleviates periodontitis in mice via a macrophage-dependent mechanism. <i>Bioactive Materials</i> , 2020 , 5, 1113-1126	16.7	51
115	Surface chemistry from wettability and charge for the control of mesenchymal stem cell fate through self-assembled monolayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 148, 549-556	6	50
114	Design of a self-healing and flame-retardant cyclotriphosphazene-based epoxy vitrimer. <i>Journal of Materials Science</i> , 2018 , 53, 7030-7047	4.3	48
113	Gelatin-Polyaniline Composite Nanofibers Enhanced Excitation-Contraction Coupling System Maturation in Myotubes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42444-42458	9.5	47
112	Directing Osteogenesis of Stem Cells with Drug-Laden, Polymer-Microsphere-Based Micropatterns Generated by Teflon Microfluidic Chips. <i>Advanced Functional Materials</i> , 2012 , 22, 3799-3807	15.6	47
111	Stretchable and micropatterned membrane for osteogenic differentiation of stem cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 11915-23	9.5	44
110	Nanostructured Zr-Pd metallic glass thin film for biochemical applications. <i>Scientific Reports</i> , 2015 , 5, 7799	4.9	43
109	Periosteum tissue engineering-a review. <i>Biomaterials Science</i> , 2016 , 4, 1554-1561	7.4	43
108	A protein/antibiotic releasing poly(lactic-co-glycolic acid)/lecithin scaffold for bone repair applications. <i>International Journal of Pharmaceutics</i> , 2009 , 373, 85-92	6.5	42
107	A novel PHBV/HA microsphere releasing system loaded with alendronate. <i>Materials Science and Engineering C</i> , 2009 , 29, 2221-2225	8.3	42
106	Porous poly (lactic-co-glycolide) microsphere sintered scaffolds for tissue repair applications. <i>Materials Science and Engineering C</i> , 2009 , 29, 2502-2507	8.3	40
105	On-demand storage and release of antimicrobial peptides using Pandora's box-like nanotubes gated with a bacterial infection-responsive polymer. <i>Theranostics</i> , 2020 , 10, 109-122	12.1	39
104	Small molecules and their controlled release that induce the osteogenic/chondrogenic commitment of stem cells. <i>Biotechnology Advances</i> , 2015 , 33, 1626-40	17.8	38
103	Immobilization of an antimicrobial peptide on silicon surface with stable activity by click chemistry. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 68-74	7.3	38

102	Hierarchical and reversible assembly of graphene oxide/polyvinyl alcohol hybrid stabilized Pickering emulsions and their templating for macroporous composite hydrogels. <i>Carbon</i> , 2017 , 111, 38-47	19.4	37
101	Microsphere based scaffolds for bone regenerative applications. <i>Biomaterials Science</i> , 2014 , 2, 1145-1153	3.4	35
100	Engineering natural matrices with black phosphorus nanosheets to generate multi-functional therapeutic nanocomposite hydrogels. <i>Biomaterials Science</i> , 2019 , 7, 4046-4059	7.4	34
99	Wet-adhesive, haemostatic and antimicrobial bilayered composite nanosheets for sealing and healing soft-tissue bleeding wounds. <i>Biomaterials</i> , 2020 , 252, 120018	15.6	34
98	Introduction of stereocomplex crystallites of PLA for the solid and microcellular poly(lactide)/poly(butylene adipate-terephthalate) blends.. <i>RSC Advances</i> , 2018 , 8, 11850-11861	3.7	33
97	Sintered microsphere scaffolds for controlled release and tissue engineering. <i>Pharmaceutical Research</i> , 2011 , 28, 1224-8	4.5	33
96	Spatial coordination of cell orientation directed by nanoribbon sheets. <i>Biomaterials</i> , 2015 , 53, 86-94	15.6	32
95	Stem Cell Differentiation Toward the Myogenic Lineage for Muscle Tissue Regeneration: A Focus on Muscular Dystrophy. <i>Stem Cell Reviews and Reports</i> , 2015 , 11, 866-84	6.4	32
94	Dynamic/quasi-static stab-resistance and mechanical properties of soft body armour composites constructed from Kevlar fabrics and shear thickening fluids. <i>RSC Advances</i> , 2017 , 7, 39803-39813	3.7	31
93	Microcellular foaming of polylactide and poly(butylene adipate-co-terphthalate) blends and their CaCO ₃ reinforced nanocomposites using supercritical carbon dioxide. <i>Polymers for Advanced Technologies</i> , 2016 , 27, 550-560	3.2	29
92	A Rapidly Self-Healing Host-Guest Supramolecular Hydrogel with High Mechanical Strength and Excellent Biocompatibility. <i>Angewandte Chemie</i> , 2018 , 130, 9146-9150	3.6	27
91	Microfluidic generation of polydopamine gradients on hydrophobic surfaces. <i>Langmuir</i> , 2014 , 30, 832-8	4	26
90	Fabrication of novel collagen-silica hybrid membranes with tailored biodegradation and strong cell contact guidance ability. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21885		26
89	In vivo and in vitro osteogenesis of stem cells induced by controlled release of drugs from microspherical scaffolds. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9140		26
88	In vitro osteogenesis of synovium mesenchymal cells induced by controlled release of alendronate and dexamethasone from a sintered microspherical scaffold. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010 , 21, 1227-38	3.5	25
87	Enhanced osteogenesis by a biomimic pseudo-periosteum-involved tissue engineering strategy. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1229-35	10.1	24
86	Molecular recognition-directed site-specific release of stem cell differentiation inducers for enhanced joint repair. <i>Biomaterials</i> , 2020 , 232, 119644	15.6	23
85	Rheology and crystallization behavior of PLLA/TiO ₂ -g-PDLA composites. <i>Polymers for Advanced Technologies</i> , 2015 , 26, 528-537	3.2	22

84	Influence of PLA stereocomplex crystals and thermal treatment temperature on the rheology and crystallization behavior of asymmetric poly(L-Lactide)/poly(D-lactide) blends. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	22
83	Effects of ionic structures on shear thickening fluids composed of ionic liquids and silica nanoparticles. <i>RSC Advances</i> , 2016 , 6, 81913-81923	3.7	22
82	Self-assembly of nanohydroxyapatite in mesoporous silica. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 2933-40	4.5	21
81	Study of a shear thickening fluid: the suspensions of monodisperse polystyrene microspheres in polyethylene glycol. <i>Journal of Dispersion Science and Technology</i> , 2017 , 38, 935-942	1.5	20
80	Modifying graphene oxide with short peptide via click chemistry for biomedical applications. <i>Applied Materials Today</i> , 2016 , 5, 111-117	6.6	20
79	Alendronate conjugated nanoparticles for calcification targeting. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 142, 344-350	6	20
78	Fabrication of β -tricalcium phosphate composite ceramic sphere-based scaffolds with hierarchical pore structure for bone regeneration. <i>Biofabrication</i> , 2017 , 9, 025005	10.5	19
77	β -tricalcium phosphate composite ceramics with high compressive strength, enhanced osteogenesis and inhibited osteoclastic activities. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 167, 318-327	6	19
76	Preparation of an antimicrobial surface by direct assembly of antimicrobial peptide with its surface binding activity. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2407-2415	7.3	18
75	Study of a shear thickening fluid: the dispersions of silica nanoparticles in 1-butyl-3-methylimidazolium tetrafluoroborate. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	18
74	One-step generation of engineered drug-laden poly(lactic-co-glycolic acid) micropatterned with Teflon chips for potential application in tendon restoration. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10583-90	9.5	18
73	Injectable alendronate-functionalized GelMA hydrogels for mineralization and osteogenesis.. <i>RSC Advances</i> , 2018 , 8, 22764-22776	3.7	18
72	Phosphocreatine-modified chitosan porous scaffolds promote mineralization and osteogenesis in vitro and in vivo. <i>Applied Materials Today</i> , 2018 , 12, 21-33	6.6	17
71	Nanoengineered electrospun fibers and their biomedical applications: a review. <i>Nanocomposites</i> , 2021 , 7, 1-34	3.4	17
70	Assembling of electrospun meshes into three-dimensional porous scaffolds for bone repair. <i>Biofabrication</i> , 2017 , 9, 015018	10.5	16
69	A Biomimetic Biphasic Osteochondral Scaffold with Layer-Specific Release of Stem Cell Differentiation Inducers for the Reconstruction of Osteochondral Defects. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000076	10.1	16
68	Rheology and crystallization behavior of asymmetric PLLA/PDLA blends based on linear PLLA and PDLA with different structures. <i>Polymers for Advanced Technologies</i> , 2016 , 27, 1108-1120	3.2	16
67	Fabrication of a hydroxyapatite-PDMS microfluidic chip for bone-related cell culture and drug screening. <i>Bioactive Materials</i> , 2021 , 6, 169-178	16.7	16

66	The stimulation of the differentiation of pheochromocytoma (PC12-L) cells into neuron-like cells by electrically conductive nanofibre mesh. <i>Applied Materials Today</i> , 2016 , 5, 215-222	6.6	15
65	Alendronate decorated nano hydroxyapatite in mesoporous silica: Cytotoxicity and osteogenic properties. <i>Applied Surface Science</i> , 2011 , 257, 9757-9761	6.7	15
64	Origami meets electrospinning: a new strategy for 3D nanofiber scaffolds. <i>Bio-Design and Manufacturing</i> , 2018 , 1, 254-264	4.7	15
63	Probing stem cell differentiation using atomic force microscopy. <i>Applied Surface Science</i> , 2016 , 366, 254-259	6.5	14
62	A novel hydrophilic poly(lactide-co-glycolide)/lecithin hybrid microspheres sintered scaffold for bone repair. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 92, 963-72	5.4	14
61	Bioinspired double polysaccharides-based nanohybrid scaffold for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 147, 217-223	6	14
60	Effects of 4,4'-diaminodiphenyl ether on the structures and properties of isocyanate-based polyimide foams. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46029	2.9	14
59	Microcellular foams of glass fiber reinforced poly(phenylene sulfide) composites generated using supercritical carbon dioxide. <i>Polymer Composites</i> , 2016 , 37, 2527-2540	3	13
58	Phosphorylated Chitosan Hydrogels Inducing Osteogenic Differentiation of Osteoblasts via JNK and p38 Signaling Pathways. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 1500-1509	5.5	13
57	Preparation of open-porous stereocomplex PLA/PBAT scaffolds and correlation between their morphology, mechanical behavior, and cell compatibility.. <i>RSC Advances</i> , 2018 , 8, 12933-12943	3.7	13
56	Transplantable delivery systems for in situ controlled release of bisphosphonate in orthopedic therapy. <i>Expert Opinion on Drug Delivery</i> , 2011 , 8, 113-26	8	13
55	Biomimetic microfluidic device for in vitro antihypertensive drug evaluation. <i>Molecular Pharmaceutics</i> , 2014 , 11, 2009-15	5.6	12
54	BMP-2-loaded silica nanotube fibrous meshes for bone generation. <i>Science and Technology of Advanced Materials</i> , 2011 , 12, 065003	7.1	12
53	Poly(lactide-co-glycolide)/titania composite microsphere-sintered scaffolds for bone tissue engineering applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010 , 93, 84-92	3.5	12
52	The construction of three-dimensional composite fibrous macrostructures with nanotextures for biomedical applications. <i>Biofabrication</i> , 2016 , 8, 035009	10.5	12
51	The correlation between osteopontin adsorption and cell adhesion to mixed self-assembled monolayers of varying charges and wettability. <i>Biomaterials Science</i> , 2017 , 5, 800-807	7.4	11
50	Generation of microgrooved silica nanotube membranes with sustained drug delivery and cell contact guidance ability by using a Teflon microfluidic chip. <i>Science and Technology of Advanced Materials</i> , 2013 , 14, 015005	7.1	11
49	Controlling the Integration of Polyvinylpyrrolidone onto Substrate by Quartz Crystal Microbalance with Dissipation To Achieve Excellent Protein Resistance and Detoxification. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18684-92	9.5	11

48	Effect of poly(butylenes succinate) on the microcellular foaming of polylactide using supercritical carbon dioxide. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	11
47	Fabrication of Uniform Casein/CaCO ₃ Vaterite Microspheres and Investigation of Its Formation Mechanism. <i>Crystal Growth and Design</i> , 2017 , 17, 6178-6188	3.5	10
46	A microfluidic system for the study of the response of endothelial cells under pressure. <i>Microfluidics and Nanofluidics</i> , 2014 , 16, 1089-1096	2.8	10
45	Mechanistic Insights and Rational Design of a Versatile Surface with Cells/Bacteria Recognition Capability via Orientated Fusion Peptides. <i>Advanced Science</i> , 2019 , 6, 1801827	13.6	9
44	Microcellular foaming of poly(phenylene sulfide)/poly(ether sulfones) blends using supercritical carbon dioxide. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	9
43	Crosslinking of collagen using a controlled molecular weight bio-crosslinker: Cyclodextrin polyrotaxane multi-aldehydes. <i>RSC Advances</i> , 2015 , 5, 46088-46094	3.7	9
42	Incorporation of well-dispersed calcium phosphate nanoparticles into PLGA electrospun nanofibers to enhance the osteogenic induction potential. <i>RSC Advances</i> , 2017 , 7, 23982-23993	3.7	8
41	Effects for rapid conversion from abalone shell to hydroxyapatite nanosheets by ionic surfactants. <i>Materials Science and Engineering C</i> , 2017 , 77, 708-712	8.3	8
40	Melatonin decorated 3D-printed beta-tricalcium phosphate scaffolds promoting bone regeneration in a rat calvarial defect model. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 3250-3259	7.3	8
39	Integrin-binding pro-survival peptide engineered silk fibroin nanosheets for diabetic wound healing and skin regeneration. <i>Chemical Engineering Journal</i> , 2020 , 398, 125617	14.7	8
38	Three-dimensional printing of (varvec{upbeta})-tricalcium phosphate/calcium silicate composite scaffolds for bone tissue engineering. <i>Bio-Design and Manufacturing</i> , 2018 , 1, 146-156	4.7	8
37	Gelatin-assisted conglutination of aligned polycaprolactone nanofilms into a multilayered fibre-guiding scaffold for periodontal ligament regeneration.. <i>RSC Advances</i> , 2018 , 9, 507-518	3.7	7
36	Modifying collagen with alendronate sodium for bone regeneration applications.. <i>RSC Advances</i> , 2018 , 8, 16762-16772	3.7	7
35	Designing biocompatible Ti-based amorphous thin films with no toxic element. <i>Journal of Alloys and Compounds</i> , 2017 , 707, 142-147	5.7	7
34	Antibacterial peptide-modified collagen nanosheet for infected wound repair. <i>Smart Materials in Medicine</i> , 2021 , 2, 172-181	12.9	7
33	Tailoring the mechanical property and cell-biological response of tricalcium phosphate composite bioceramics by SrO-PO-NaO based additive. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 86, 215-223	4.1	7
32	Synergistic effects of thermal treatment and encapsulation of calcium phosphate nanoparticles on enhancing dimensional stability and osteogenic induction potential of free-standing PLGA electrospun membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 183, 110437	6	6
31	A microarray platform designed for high-throughput screening the reaction conditions for the synthesis of micro/nanosized biomedical materials. <i>Bioactive Materials</i> , 2020 , 5, 286-296	16.7	6

30	Porous Li-containing biphasic calcium phosphate scaffolds fabricated by three-dimensional plotting for bone repair. <i>RSC Advances</i> , 2017 , 7, 34508-34516	3.7	6
29	Partial transfection of cells using laminar flows in microchannels. <i>Biomicrofluidics</i> , 2011 , 5, 36503-365038,2		6
28	Structural evolution of dispersed hydrophobic association in a hydrogel analyzed by the tensile behavior. <i>Soft Matter</i> , 2020 , 16, 8245-8253	3.6	6
27	Length Effects of Short Alkyl Side Chains on Phase-Separated Structure and Dynamics of Hydrophobic Association Hydrogels. <i>Macromolecules</i> , 2021 , 54, 5962-5973	5.5	6
26	Effects of the morphology of sulfobetaine zwitterionic layers grafted onto a silicone surface on improving the hydrophilic stability, anti-bacterial adhesion properties, and biocompatibility. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46860	2.9	6
25	In Situ Formation of Hexagon-like Column Array Hydroxyapatite on 3D-Plotted Hydroxyapatite Scaffolds by Hydrothermal Method and Its Effect on Osteogenic Differentiation.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 1753-1760	4.1	5
24	Synergistic Effects of Polyethylene Glycol and Polyhedral Oligomeric Silsesquioxanes on Crystallization Behavior of Poly(L-lactide). <i>Journal of Macromolecular Science - Physics</i> , 2017 , 56, 12-25	1.4	5
23	Surface modification of CaCO ₃ filler and its characterization using inverse gas chromatography (IGC). <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2008 , 3, 99-104		5
22	Microfluidic High-Throughput Platforms for Discovery of Novel Materials. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
21	Viscoelasticity of Shear Thickening Fluid Based on Silica Nanoparticles Dispersing in 1-butyl-3-methylimidazolium Tetrafluoroborate. <i>Journal of Dispersion Science and Technology</i> , 2016 , 37, 1599-1606	1.5	5
20	Synthesis, characterization and osteogenesis of phosphorylated methacrylamide chitosan hydrogels.. <i>RSC Advances</i> , 2018 , 8, 36331-36337	3.7	5
19	Biomimetic Strain-Stiffening Hydrogel with Crimped Structure. <i>Advanced Functional Materials</i> , 2104139	15.6	5
18	Mechanistic insights into the adsorption and bioactivity of fibronectin on surfaces with varying chemistries by a combination of experimental strategies and molecular simulations. <i>Bioactive Materials</i> , 2021 , 6, 3125-3135	16.7	5
17	Calcium alendronate-coated composite scaffolds promote osteogenesis of ADSCs via integrin and FAK/ERK signalling pathways. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 6912-6924	7.3	4
16	Fabrication of β-tricalcium phosphate composite ceramic scaffolds based on spheres prepared by extrusion-spheronization. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 5811-5826	3.8	4
15	Large-scale fabrication of free-standing, micropatterned silica nanotubes via a hybrid hydrogel-templated route. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1091-5	10.1	4
14	MMP-2 sensitive poly(malic acid) micelles stabilized by π-stacking enable high drug loading capacity. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 8527-8535	7.3	4
13	Fabrication of rigid polyimide foams with overall enhancement of thermal and mechanical properties. <i>Journal of Cellular Plastics</i> , 2020 , 0021955X2095692	1.5	4

12	Constructing a Sr-Substituted Surface Hydroxyapatite Hexagon-Like Microarray on 3D-Plotted Hydroxyapatite Scaffold to Regulate Osteogenic Differentiation. <i>Nanomaterials</i> , 2020 , 10,	5.4	4
11	High-throughput screening and rational design of biofunctionalized surfaces with optimized biocompatibility and antimicrobial activity. <i>Nature Communications</i> , 2021 , 12, 3757	17.4	4
10	Mineralization of a superficially porous microsphere scaffold via plasma modification. <i>RSC Advances</i> , 2017 , 7, 3521-3527	3.7	3
9	Development of Electrospun Composite Fibers in Multiscale Structure and Investigating the Performance on Proliferation and Osteogenic Differentiation of ADSCs. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1800130	3.9	3
8	Bilayered nanosheets used for complex topography wound anti-infection. <i>Bio-Design and Manufacturing</i> , 2020 , 3, 373-382	4.7	3
7	Generation of microfluidic gradients and their effects on cells behaviours. <i>Bio-Design and Manufacturing</i> , 2020 , 3, 427-431	4.7	2
6	Sustained delivery of growth factors and alendronate using partially demineralized dentin matrix for endogenous periodontal regeneration. <i>Applied Materials Today</i> , 2021 , 22, 100922	6.6	2
5	Crystallization and Properties of Poly(lactide)/Poly(ε-valerolactone) Alternating Supramolecular Copolymers Adjusted by Stereocomplexation. <i>ACS Omega</i> , 2019 , 4, 11145-11151	3.9	1
4	Monitoring proliferation and neurogenic differentiation of rADSCs on graphene-derivative substrates. <i>Biomedical Physics and Engineering Express</i> , 2017 , 3, 065006	1.5	1
3	Biomaterial strategies for the application of reproductive tissue engineering.. <i>Bioactive Materials</i> , 2022 , 14, 86-96	16.7	1
2	Hierarchical Multiscale Hydrogels with Identical Compositions Yet Disparate Properties via Tunable Phase Separation. <i>Advanced Functional Materials</i> , 2022 , 32, 2110277	15.6	1
1	Assembling cell-seeded 2D meshes filled with magnetic fibres into 3D intact scaffolds with uniform cell distribution by an external magnetic force and endogenous extracellular matrix. <i>Chemical Engineering Journal</i> , 2021 , 413, 127171	14.7	0