

List of Publications by Citations

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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.

90 papers	2,425 citations	29 h-index	45 g-index
94 ext. papers	3,182 ext. citations	6.9 avg, IF	5.34 L-index

#	Paper	IF	Citations
90	Polyetheretherketone/nano-fluorohydroxyapatite composite with antimicrobial activity and osseointegration properties. <i>Biomaterials</i> , 2014 , 35, 6758-75	15.6	204
89	Polydopamine-Templated Hydroxyapatite Reinforced Polycaprolactone Composite Nanofibers with Enhanced Cytocompatibility and Osteogenesis for Bone Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3499-515	9.5	114
88	Characterization, corrosion behavior, cellular response and in vivo bone tissue compatibility of titanium-niobium alloy with low Young's modulus. <i>Materials Science and Engineering C</i> , 2016 , 59, 565-576	8.3	91
87	Antibiotic-decorated titanium with enhanced antibacterial activity through adhesive polydopamine for dental/bone implant. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20140169	4.1	88
86	Dual Physically Cross-Linked E-Carrageenan-Based Double Network Hydrogels with Superior Self-Healing Performance for Biomedical Application. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37544-37554	9.5	79
85	Effect of surface roughness on osteogenesis in vitro and osseointegration in vivo of carbon fiber-reinforced polyetheretherketone-nanohydroxyapatite composite. <i>International Journal of Nanomedicine</i> , 2015 , 10, 1425-47	7.3	78
84	Rapidly-deposited polydopamine coating via high temperature and vigorous stirring: formation, characterization and biofunctional evaluation. <i>PLoS ONE</i> , 2014 , 9, e113087	3.7	72
83	Peptide decorated nano-hydroxyapatite with enhanced bioactivity and osteogenic differentiation via polydopamine coating. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 111, 107-16	6	70
82	AgNPs-decorated 3D printed PEEK implant for infection control and bone repair. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 160, 483-492	6	65
81	Preparation of high performance conductive polymer fibres from double percolated structure. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6401		65
80	Enhancement of osteogenesis on micro/nano-topographical carbon fiber-reinforced polyetheretherketone-nanohydroxyapatite biocomposite. <i>Materials Science and Engineering C</i> , 2015 , 48, 592-8	8.3	64
79	Peptide-laden mesoporous silica nanoparticles with promoted bioactivity and osteo-differentiation ability for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 131, 73-82	6	57
78	Preparation, characterization, cellular response and in vivo osseointegration of polyetheretherketone/nano-hydroxyapatite/carbon fiber ternary biocomposite. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 136, 64-73	6	57
77	Graphene-Oxide-Decorated Microporous Polyetheretherketone with Superior Antibacterial Capability and In Vitro Osteogenesis for Orthopedic Implant. <i>Macromolecular Bioscience</i> , 2018 , 18, e1800036	5.5	55
76	MXene-Based Hydrogels Endow Polyetheretherketone with Effective Osteogenicity and Combined Treatment of Osteosarcoma and Bacterial Infection. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45891-45903	9.5	47
75	Biomimetic synthesis and biocompatibility evaluation of carbonated apatites template-mediated by heparin. <i>Materials Science and Engineering C</i> , 2013 , 33, 2905-13	8.3	45
74	Peptide-incorporated 3D porous alginate scaffolds with enhanced osteogenesis for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 143, 243-251	6	44

73	A carboxymethyl chitosan and peptide-decorated polyetheretherketone ternary biocomposite with enhanced antibacterial activity and osseointegration as orthopedic/dental implants. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1878-1890	7.3	42
72	Novel Biocompatible Thermoresponsive Poly(N-vinyl Caprolactam)/Clay Nanocomposite Hydrogels with Macroporous Structure and Improved Mechanical Characteristics. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21979-21990	9.5	41
71	Two-dimensional MXene/cobalt nanowire heterojunction for controlled drug delivery and chemo-photothermal therapy. <i>Materials Science and Engineering C</i> , 2020 , 116, 111212	8.3	41
70	Multifunctional Surface with Enhanced Angiogenesis for Improving Long-Term Osteogenic Fixation of Poly(ether ether ketone) Implants. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14971-14982	9.5	36
69	Graphene Oxide and Adiponectin-Functionalized Sulfonated Poly(etheretherketone) with Effective Osteogenicity and Remotely Repeatable Photodisinfection. <i>Chemistry of Materials</i> , 2020 , 32, 2180-2193	9.6	36
68	Bioinspired and osteopromotive polydopamine nanoparticle-incorporated fibrous membranes for robust bone regeneration. <i>NPG Asia Materials</i> , 2019 , 11,	10.3	35
67	Peptide-Decorated Nanofibrous Niche Augments In Vitro Directed Osteogenic Conversion of Human Pluripotent Stem Cells. <i>Biomacromolecules</i> , 2017 , 18, 587-598	6.9	32
66	A Novel Hydrogel Surface Grafted With Dual Functional Peptides for Sustaining Long-Term Self-Renewal of Human Induced Pluripotent Stem Cells and Manipulating Their Osteoblastic Maturation. <i>Advanced Functional Materials</i> , 2018 , 28, 1705546	15.6	31
65	Tantalum Nitride-Decorated Titanium with Enhanced Resistance to Microbiologically Induced Corrosion and Mechanical Property for Dental Application. <i>PLoS ONE</i> , 2015 , 10, e0130774	3.7	30
64	Mechanical properties of hybrid short fibers reinforced oil well cement by polyester fiber and calcium carbonate whisker. <i>Construction and Building Materials</i> , 2018 , 182, 258-272	6.7	30
63	In vitro culture and directed osteogenic differentiation of human pluripotent stem cells on peptides-decorated two-dimensional microenvironment. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4560-72	9.5	29
62	Dual Ag/ZnO-Decorated Micro-/Nanoporous Sulfonated Polyetheretherketone with Superior Antibacterial Capability and Biocompatibility via Layer-by-Layer Self-Assembly Strategy. <i>Macromolecular Bioscience</i> , 2018 , 18, e1800028	5.5	29
61	Preparation, characterization and in vitro dissolution behavior of porous biphasic β -tricalcium phosphate bioceramics. <i>Materials Science and Engineering C</i> , 2016 , 59, 1007-1015	8.3	27
60	Two-dimensional nanocoating-enabled orthopedic implants for bimodal therapeutic applications. <i>Nanoscale</i> , 2020 , 12, 11936-11946	7.7	26
59	Preparation of magnetic Ni-P amorphous alloy microspheres and their catalytic performance towards thermal decomposition of ammonium perchlorate. <i>Applied Surface Science</i> , 2017 , 425, 261-271	6.7	26
58	Bioinspired, biocompatible and peptide-decorated silk fibroin coatings for enhanced osteogenesis of bioinert implant. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018 , 29, 1595-1611	3.5	26
57	Nano-hydroxyapatite reinforced polyphenylene sulfide biocomposite with superior cytocompatibility and in vivo osteogenesis as a novel orthopedic implant. <i>RSC Advances</i> , 2017 , 7, 559-573	3.7	24
56	Cobalt nanowire-based multifunctional platform for targeted chemo-photothermal synergistic cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 180, 401-410	6	23

55	Enhanced antibacterial property and osteo-differentiation activity on plasma treated porous polyetheretherketone with hierarchical micro/nano-topography. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018 , 29, 520-542	3.5	23
54	In situ synthesis and in vitro biocompatibility of needle-like nano-hydroxyapatite in agarose/gelatin co-hydrogel. <i>Materials Letters</i> , 2013 , 104, 8-12	3.3	23
53	Synergism of 2D/1D MXene/cobalt nanowire heterojunctions for boosted photo-activated antibacterial application. <i>Chemical Engineering Journal</i> , 2021 , 410, 128209	14.7	23
52	Preparation of nano-sized titanium carbide particles via a vacuum carbothermal reduction approach coupled with purification under hydrogen/argon mixed gas. <i>RSC Advances</i> , 2017 , 7, 9037-9044	3.7	22
51	Peptide-decorated polyvinyl alcohol/hyaluronan nanofibers for human induced pluripotent stem cell culture. <i>Carbohydrate Polymers</i> , 2014 , 101, 36-9	10.3	20
50	(1) H-nuclear magnetic resonance-based metabonomic analysis of brain in rhesus monkeys with morphine treatment and withdrawal intervention. <i>Journal of Neuroscience Research</i> , 2012 , 90, 2154-62	4.4	20
49	HAP@GO drug delivery vehicle with dual-stimuli-triggered drug release property and efficient synergistic therapy function against cancer. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2296-2309	5.4	18
48	Osteogenesis and Antibacterial Activity of Graphene Oxide and Dexamethasone Coatings on Porous Polyetheretherketone via Polydopamine-Assisted Chemistry. <i>Coatings</i> , 2018 , 8, 203	2.9	18
47	Effect of lanthanum doping on the far-infrared emission property of vanadium-titanium slag ceramic. <i>RSC Advances</i> , 2017 , 7, 13509-13516	3.7	17
46	Strontium/adiponectin co-decoration modulates the osteogenic activity of nano-morphologic polyetheretherketone implant. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 176, 38-46	6	17
45	Preparation and catalytic activity of magnetic bimetallic nickel/copper nanowires. <i>RSC Advances</i> , 2017 , 7, 17781-17787	3.7	16
44	Decoration of heparin and bovine serum albumin on polysulfone membrane assisted via polydopamine strategy for hemodialysis. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016 , 27, 880-975	3.5	16
43	Nutrient Element Decorated Polyetheretherketone Implants Steer Mitochondrial Dynamics for Boosted Diabetic Osseointegration. <i>Advanced Science</i> , 2021 , 8, e2101778	13.6	16
42	Electrocoalescence of liquid marbles driven by embedded electrodes for triggering bioreactions. <i>Lab on A Chip</i> , 2019 , 19, 3526-3534	7.2	15
41	Prenatal cocaine exposure impairs cognitive function of progeny via insulin growth factor II epigenetic regulation. <i>Neurobiology of Disease</i> , 2015 , 82, 54-65	7.5	15
40	Bacteria-Triggered pH-Responsive Osteopotentiating Coating on 3D-Printed Polyetheretherketone Scaffolds for Infective Bone Defect Repair. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 12123-12135	3.9	15
39	Facile synthesis and characterization of multifunctional cobalt-based nanocomposites for targeted chemo-photothermal synergistic cancer therapy. <i>Composites Part B: Engineering</i> , 2019 , 178, 107521	10	15
38	Dual therapeutic cobalt-incorporated bioceramics accelerate bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2019 , 99, 770-782	8.3	15

37	Uniaxial compression mechanical property and fracture behavior of hybrid inorganic short mineral fibers reinforced cement-based material. <i>Cement and Concrete Composites</i> , 2019 , 104, 103338	8.6	14
36	Copper ferrite heterojunction coatings empower polyetheretherketone implant with multi-modal bactericidal functions and boosted osteogenicity through synergistic photo/Fenton-therapy. <i>Chemical Engineering Journal</i> , 2021 , 422, 130094	14.7	14
35	Development of dual-component protein microparticles in all-aqueous systems for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 3059-3065	7.3	13
34	Solidification and Biototoxicity Assessment of Thermally Treated Municipal Solid Waste Incineration (MSWI) Fly Ash. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	13
33	In situ synthesis and catalytic application of reduced graphene oxide supported cobalt nanowires. <i>Applied Surface Science</i> , 2018 , 441, 955-964	6.7	13
32	Engineering of a Hollow-Structured Cu ₂ S Nano-Homojunction Platform for Near Infrared-Triggered Infected Wound Healing and Cancer Therapy. <i>Advanced Functional Materials</i> , 2016 , 26, 7001-7015	15.6	13
31	Drug-loaded/grafted peptide-modified porous PEEK to promote bone tissue repair and eliminate bacteria. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 767-777	6	12
30	Ce/Mn dual-doped LaAlO ₃ ceramics with enhanced far-infrared emission capability synthesized via a facile microwave sintering method. <i>Journal of Alloys and Compounds</i> , 2019 , 774, 434-442	5.7	12
29	Solidification and multi-cytotoxicity evaluation of thermally treated MSWI fly ash. <i>Journal of Hazardous Materials</i> , 2020 , 388, 122041	12.8	11
28	In vitro growth of bioactive nanostructured apatites via agar-gelatin hybrid hydrogel. <i>Journal of Biomedical Nanotechnology</i> , 2013 , 9, 1972-83	4	10
27	Dual Therapy Coating on Micro/Nanoscale Porous Polyetheretherketone to Eradicate Biofilms and Accelerate Bone Tissue Repair. <i>Macromolecular Bioscience</i> , 2019 , 19, e1800376	5.5	10
26	Effects of Microwave-Assisted Thermal Treatment on the Fate of Heavy Metals in Municipal Solid Waste Incineration Fly Ash. <i>Energy & Fuels</i> , 2017 , 31, 12446-12454	4.1	9
25	Growth Factor-Decorated Ti C MXene/MoS ₂ 2D Bio-Heterojunctions with Quad-Channel Photonic Disinfection for Effective Regeneration of Bacteria-Invaded Cutaneous Tissue. <i>Small</i> , 2021 , 17, e2103993	11	8
24	Chitosan-based asymmetric topological membranes with cell-like features for healthcare applications. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2634-2642	7.3	7
23	Stabilization of lead in incineration fly ash by moderate thermal treatment with sodium hydroxide addition. <i>PLoS ONE</i> , 2017 , 12, e0178816	3.7	7
22	The reinforcement attributes of multi-scale hybrid fiber throughout the uniaxial compression of ultra-low-weight foamed cement-based composites. <i>Construction and Building Materials</i> , 2020 , 242, 118184	6.7	6
21	Bimetal metal-organic framework domino micro-reactor for synergistic antibacterial starvation/chemodynamic therapy and robust wound healing.. <i>Nanoscale</i> , 2022 ,	7.7	6
20	Infection Micromilieu-Activated Nanocatalytic Membrane for Orchestrating Rapid Sterilization and Stalled Chronic Wound Regeneration. <i>Advanced Functional Materials</i> , 2019 , 29, 190469	15.6	6

19	Ag and peptide co-decorate polyetheretherketone to enhance antibacterial property and osteogenic differentiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 198, 111492	6	6
18	Hierarchical ZnO Nanotube/Graphene Oxide Nanostructures Endow Pure Zn Implant with Synergistic Bactericidal Activity and Osteogenicity. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 19377-19385	3.9	5
17	Magnetic targeting cobalt nanowire-based multifunctional therapeutic system for anticancer treatment and angiogenesis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 194, 111217	6	5
16	Environmental-Friendly and Facile Synthesis of CoO Nanowires and Their Promising Application with Graphene in Lithium-Ion Batteries. <i>Nanoscale Research Letters</i> , 2017 , 12, 615	5	5
15	Investigation on the interaction of collagen molecules in solution with different acetic acid concentrations. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45255	2.9	5
14	Simvastatin delivery on PEEK for bioactivity and osteogenesis enhancements. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018 , 29, 2237-2251	3.5	5
13	Compressive behaviors of ultra-low-weight foamed cement-based composite reinforced by polypropylene short fibers. <i>International Journal of Damage Mechanics</i> , 2020 , 29, 1306-1325	3	4
12	Exploring the underlying mechanisms behind the increased far infrared radiation properties of perovskite-type Ce/Mn co-doped ceramics. <i>Materials Research Bulletin</i> , 2019 , 109, 233-239	5.1	4
11	Fibroin/peptide co-functionalized calcium titanate nanorods improve osteoinductivity of titanium via mimicking osteogenic niche. <i>Materials Science and Engineering C</i> , 2019 , 103, 109836	8.3	3
10	Photo-Activated Nanofibrous Membrane with Self-Rechargeable Antibacterial Function for Stubborn Infected Cutaneous Regeneration.. <i>Small</i> , 2022 , e2105988	11	3
9	Endowing polyetheretherketone with anti-inflammatory ability and improved osteogenic ability. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 32, 42-59	3.5	3
8	Sequential gastrodin release PU/n-HA composite scaffolds reprogram macrophages for improved osteogenesis and angiogenesis.. <i>Bioactive Materials</i> , 2023 , 19, 24-37	16.7	3
7	Preparation of broccoli-like ferromagnetic cobalt microstructures with superior coercivity via an aqueous reduction strategy. <i>RSC Advances</i> , 2016 , 6, 66152-66160	3.7	2
6	Preparation and Coloration of Colored Ceramics Derived from the Vanadium-Titanium Slags. <i>Advances in Materials Science and Engineering</i> , 2018 , 2018, 1-8	1.5	1
5	Independent effects of structural optimization and resveratrol functionalization on extracellular matrix scaffolds for bone regeneration.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 212, 112370	6	0
4	The non-viral vectors and main methods of loading siRNA onto the titanium implants and their application. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020 , 31, 2152-2168	3.5	0
3	Multi-activity cobalt ferrite/MXene nanoenzymes for drug-free phototherapy in bacterial infection treatment.. <i>RSC Advances</i> , 2022 , 12, 11090-11099	3.7	0
2	Heterostructured Metal-Organic Frameworks/Polydopamine Coating Endows Polyetheretherketone Implants with Multimodal Osteogenicity and Photoswitchable Disinfection.. <i>Advanced Healthcare Materials</i> , 2022 , e2200641	10.1	0

- 1 Metal-organic frameworks/polydopamine coating endows polyetheretherketone with disinfection and osteogenicity. *International Journal of Polymeric Materials and Polymeric Biomaterials*,1-12 3