

Li-Ming Fang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

3,435
citations

22
h-index

45
g-index

45
ext. papers

4,314
ext. citations

7.8
avg, IF

5.42
L-index

#	Paper	IF	Citations
44	pH-responsive curcumin-based nanoscale ZIF-8 combining chemophotodynamic therapy for excellent antibacterial activity.. <i>RSC Advances</i> , 2022 , 12, 10005-10013	3.7	2
43	pH and light-responsive polycaprolactone/curcumin@zif-8 composite films with enhanced antibacterial activity. <i>Journal of Food Science</i> , 2021 , 86, 3550-3562	3.4	6
42	Bioinspired adhesive and tumor microenvironment responsive nanoMOFs assembled 3D-printed scaffold for anti-tumor therapy and bone regeneration. <i>Nano Today</i> , 2021 , 39, 101182	17.9	19
41	Highly compressible and superior low temperature tolerant supercapacitors based on dual chemically crosslinked PVA hydrogel electrolytes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6219-6228	13	48
40	Durable Antibacterial Cotton Fabrics Based on Natural Borneol-Derived Anti-MRSA Agents. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000186	10.1	18
39	Role of Stiffness versus Wettability in Regulating Cell Behaviors on Polymeric Surfaces. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 912-922	5.5	6
38	Graphene Oxide-Templated Conductive and Redox-Active Nanosheets Incorporated Hydrogels for Adhesive Bioelectronics. <i>Advanced Functional Materials</i> , 2020 , 30, 1907678	15.6	114
37	Highly compressible hydrogel sensors with synergistic long-lasting moisture, extreme temperature tolerance and strain-sensitivity properties. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 3319-3327	7.8	7
36	Mussel-Inspired Redox-Active and Hydrophilic Conductive Polymer Nanoparticles for Adhesive Hydrogel Bioelectronics. <i>Nano-Micro Letters</i> , 2020 , 12, 169	19.5	41
35	Novel niobium and silver toughened hydroxyapatite nanocomposites with enhanced mechanical and biological properties for load-bearing bone implants. <i>Applied Materials Today</i> , 2019 , 15, 531-542	6.6	12
34	Plant-inspired adhesive and tough hydrogel based on Ag-Lignin nanoparticles-triggered dynamic redox catechol chemistry. <i>Nature Communications</i> , 2019 , 10, 1487	17.4	376
33	Experimental and simulation studies of strontium/fluoride-codoped hydroxyapatite nanoparticles with osteogenic and antibacterial activities. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 182, 110359	6	23
32	An Anisotropic Hydrogel Based on Mussel-Inspired Conductive Ferrofluid Composed of Electromagnetic Nanohybrids. <i>Nano Letters</i> , 2019 , 19, 8343-8356	11.5	55
31	Transparent, Adhesive, and Conductive Hydrogel for Soft Bioelectronics Based on Light-Transmitting Polydopamine-Doped Polypyrrole Nanofibrils. <i>Chemistry of Materials</i> , 2018 , 30, 5561-5572	9.6	211
30	Mussel-Inspired Adhesive and Conductive Hydrogel with Long-Lasting Moisture and Extreme Temperature Tolerance. <i>Advanced Functional Materials</i> , 2018 , 28, 1704195	15.6	485
29	Conductive and Tough Hydrogels Based on Biopolymer Molecular Templates for Controlling in Situ Formation of Polypyrrole Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36218-36228	9.5	110
28	Mussel-Inspired Adhesive and Tough Hydrogel Based on Nanoclay Confined Dopamine Polymerization. <i>ACS Nano</i> , 2017 , 11, 2561-2574	16.7	517

27	Mussel-inspired nano-multilayered coating on magnesium alloys for enhanced corrosion resistance and antibacterial property. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 157, 432-439	6	19
26	Effects of atomic-level nano-structured hydroxyapatite on adsorption of bone morphogenetic protein-7 and its derived peptide by computer simulation. <i>Scientific Reports</i> , 2017 , 7, 15152	4.9	12
25	A Mussel-Inspired Conductive, Self-Adhesive, and Self-Healable Tough Hydrogel as Cell Stimulators and Implantable Bioelectronics. <i>Small</i> , 2017 , 13, 1601916	11	398
24	Pulse Electrochemical Driven Rapid Layer-by-Layer Assembly of Polydopamine and Hydroxyapatite Nanofilms via Alternative Redox Synthesis for Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 920-928	5.5	36
23	In situ reactive compatibilized polypropylene/nitrile butadiene rubber blends by zinc dimethacrylate: Preparation, structure, and properties. <i>Polymer Engineering and Science</i> , 2014 , 54, 2321-2331	2.3	10
22	Morphology and properties of poly(vinylidene fluoride)/silicone rubber blends. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	1
21	Silver nanoparticles and growth factors incorporated hydroxyapatite coatings on metallic implant surfaces for enhancement of osteoinductivity and antibacterial properties. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8580-9	9.5	140
20	Investigation of emulsified, acid and acid-alkali catalyzed mesoporous bioactive glass microspheres for bone regeneration and drug delivery. <i>Materials Science and Engineering C</i> , 2013 , 33, 4236-43	8.3	25
19	Phosphatidylserine enhances osteogenic differentiation in human mesenchymal stem cells via ERK signal pathways. <i>Materials Science and Engineering C</i> , 2013 , 33, 1783-8	8.3	18
18	Morphology study of peroxide-induced dynamically vulcanized polypropylene/ethylene-propylene-diene monomer/zinc dimethacrylate blends during tensile deformation. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 7819-25	3.4	22
17	Preparation and properties of dynamically cured poly(vinylidene fluoride)/silicone rubber blends. <i>Polymer Testing</i> , 2013 , 32, 1072-1078	4.5	24
16	Silicone rubber nanocomposites containing a small amount of hybrid fillers with enhanced electrical sensitivity. <i>Materials & Design</i> , 2013 , 45, 548-554		36
15	Processing and characterization of TLCP fibers reinforced by 1 wt% MWCNT. <i>Journal of Materials Science</i> , 2012 , 47, 8094-8102	4.3	6
14	Structure and properties of polyacrylic acid modified hydroxyapatite/liquid crystal polymer composite. <i>Journal of Reinforced Plastics and Composites</i> , 2011 , 30, 1155-1163	2.9	13
13	Temperature window effect and its application in extrusion of ultrahigh molecular weight polyethylene. <i>EXPRESS Polymer Letters</i> , 2011 , 5, 674-684	3.4	10
12	Influence of Sintering Temperature on Pore Structure and Apatite Formation of a Sol-Gel-Derived Bioactive Glass. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 32-35	3.8	21
11	Fabrication, structure and biological properties of organic acid-derived sol-gel bioactive glasses. <i>Biomedical Materials (Bristol)</i> , 2010 , 5, 054103	3.5	28
10	Octacalcium phosphate fiber synthesized by homogeneous precipitation method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010 , 25, 747-752	1	1

9	The effects of hydroxyl groups on Ca adsorption on rutile surfaces: a first-principles study. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 1-10	4.5	18
8	Surface nanoscale patterning of bioactive glass to support cellular growth and differentiation. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 94, 1091-9	5.4	17
7	Molecular dynamics simulations on the interaction between polymers and hydroxyapatite with and without coupling agents. <i>Acta Biomaterialia</i> , 2009 , 5, 1169-81	10.8	76
6	Synthesis and bioactive properties of macroporous nanoscale SiO ₂ /CaO/P ₂ O ₅ bioactive glass. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 2678-2681	3.9	29
5	Atomic-scale interactions at the interface of biopolymer/hydroxyapatite. <i>Biomedical Materials (Bristol)</i> , 2008 , 3, 044110	3.5	11
4	Molecular dynamics simulation of RGD peptide adsorption on titanium oxide surfaces. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 3437-41	4.5	15
3	High strength and bioactive hydroxyapatite nano-particles reinforced ultrahigh molecular weight polyethylene. <i>Composites Part B: Engineering</i> , 2007 , 38, 345-351	10	67
2	Processing and mechanical properties of HA/UHMWPE nanocomposites. <i>Biomaterials</i> , 2006 , 27, 3701-7	15.6	214
1	Processing of hydroxyapatite reinforced ultrahigh molecular weight polyethylene for biomedical applications. <i>Biomaterials</i> , 2005 , 26, 3471-8	15.6	118