

Zhang-Qi Feng

List of Publications by Year in descending order

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31
papers

1,370
citations

430874

18
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

2054
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of nanofibrous galactosylated chitosan scaffolds on the formation of rat primary hepatocyte aggregates and the maintenance of liver function. <i>Biomaterials</i> , 2009, 30, 2753-2763.	11.4	204
2	High-Performance Poly(vinylidene difluoride)/Dopamine Core/Shell Piezoelectric Nanofiber and Its Application for Biomedical Sensors. <i>Advanced Materials</i> , 2021, 33, e2006093.	21.0	114
3	Soft Graphene Nanofibers Designed for the Acceleration of Nerve Growth and Development. <i>Advanced Materials</i> , 2015, 27, 6462-6468.	21.0	100
4	Fundamentals of cross-seeding of amyloid proteins: an introduction. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7267-7282.	5.8	87
5	Molecular simulations and understanding of antifouling zwitterionic polymer brushes. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3814-3828.	5.8	78
6	Piezoelectric-Driven Self-Powered Patterned Electrochromic Supercapacitor for Human Motion Energy Harvesting. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1745-1752.	6.7	73
7	Porous polyacrylonitrile/graphene oxide nanofibers designed for high efficient adsorption of chromium ions (VI) in aqueous solution. <i>Chemical Engineering Journal</i> , 2020, 392, 123730.	12.7	71
8	Core/Shell Piezoelectric Nanofibers with Spatial Self-Orientated β -Phase Nanocrystals for Real-Time Micropressure Monitoring of Cardiovascular Walls. <i>ACS Nano</i> , 2019, 13, 10062-10073.	14.6	66
9	Rat hepatocyte aggregate formation on discrete aligned nanofibers of type-I collagen-coated poly(L-lactic acid). <i>Biomaterials</i> , 2010, 31, 3604-3612.	11.4	56
10	Physiologically Self-Regulated, Fully Implantable, Battery-Free System for Peripheral Nerve Restoration. <i>Advanced Materials</i> , 2021, 33, e2104175.	21.0	53
11	Design of high conductive and piezoelectric poly(3,4-ethylenedioxythiophene)/chitosan nanofibers for enhancing cellular electrical stimulation. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 65-75.	9.4	48
12	Neurogenic differentiation of adipose derived stem cells on graphene-based mat. <i>Materials Science and Engineering C</i> , 2018, 90, 685-692.	7.3	41
13	Magnetic Janus particles as a multifunctional drug delivery system for paclitaxel in efficient cancer treatment. <i>Materials Science and Engineering C</i> , 2019, 104, 110001.	7.3	41
14	Multiple Physical Cross-Linker Strategy To Achieve Mechanically Tough and Reversible Properties of Double-Network Hydrogels in Bulk and on Surfaces. <i>ACS Applied Polymer Materials</i> , 2019, 1, 701-713.	4.4	39
15	Multiple Physical Bonds to Realize Highly Tough and Self-Adhesive Double-Network Hydrogels. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1031-1042.	4.4	39
16	Micellar-incorporated hydrogels with highly tough, mechanoresponsive, and self-recovery properties for strain-induced color sensors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11536-11551.	5.5	36
17	Gecko-Inspired Paper Artificial Skin for Intimate Skin Contact and Multisensing. <i>Advanced Materials Technologies</i> , 2019, 4, 1800392.	5.8	30
18	Dopamine/zinc oxide doped poly(N-hydroxyethyl acrylamide)/agar dual network hydrogel with super self-healing, antibacterial and tissue adhesion functions designed for transdermal patch. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5492-5502.	5.8	21

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19	Graphene Nanofibrous Foam Designed as an Efficient Oil Absorbent. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 3000-3008.	3.7	21
20	High thermal conductivity of graphene and structure defects: Prospects for thermal applications in graphene sheets. <i>Chinese Chemical Letters</i> , 2021, 32, 1293-1298.	9.0	18
21	Cell microarray chip system for accurate, rapid diagnosis and target treatment of breast cancer cells SK-BR-3. <i>Chinese Chemical Letters</i> , 2019, 30, 1043-1050.	9.0	17
22	Cell activity modulation and its specific function maintenance by bioinspired electromechanical nanogenerator. <i>Science Advances</i> , 2021, 7, eabh2350.	10.3	17
23	Mechanically tough and recoverable hydrogels via dual physical crosslinkings. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1294-1305.	2.1	16
24	Magnetic electrospun short nanofibers wrapped graphene oxide as a promising biomaterials for guiding cellular behavior. <i>Materials Science and Engineering C</i> , 2017, 81, 314-320.	7.3	15
25	Pure OPM nanofibers with high piezoelectricity designed for energy harvesting <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Materials Chemistry B</i> , 2018, 6, 5343-5352.	5.8	15
26	In situ wound sprayable double-network hydrogel: Preparation and characterization. <i>Chinese Chemical Letters</i> , 2022, 33, 1963-1969.	9.0	15
27	Power Generation from Moisture Fluctuations Using Polyvinyl Alcohol-Wrapped Dopamine/Polyvinylidene Difluoride Nanofibers. <i>Small</i> , 2021, 17, e2102550.	10.0	13
28	Surface Enriched Sulfonic Acid Ionic Clusters of Nafion Nanofibers as Long-Range Interconnected Ionic Nanochannels for Anisotropic Proton Transportation: Phenomenon and Molecular Mechanism. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000342.	3.7	10
29	Controlled hydrothermal temperature provides tunable permittivity and an improved electromagnetic absorption performance of reduced graphene oxide. <i>RSC Advances</i> , 2018, 8, 33065-33071.	3.6	7
30	Importance of Polyacrylamide Hydrogel Diverse Chains and Cross-Linking Density for Cell Proliferation, Aging, and Death. <i>Langmuir</i> , 2019, 35, 13999-14006.	3.5	6
31	Post-self-repair process of neuron cells under the influence of neutral and cationic nanoparticles. <i>Chinese Chemical Letters</i> , 2019, 30, 2368-2374.	9.0	3