

Wei Feng

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

4,237
citations

117571

34
h-index

128225

60
g-index

64
all docs

64
docs citations

64
times ranked

5722
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocatalysts Augmented and Photothermal Enhanced Tumor Specific Sequential Nanocatalytic Therapy in Both NIR and NIR Biowindows. <i>Advanced Materials</i> , 2019, 31, e1805919.	11.1	347
2	Single-Atom Catalysts in Catalytic Biomedicine. <i>Advanced Materials</i> , 2020, 32, e1905994.	11.1	260
3	2D vanadium carbide MXene to alleviate ROS-mediated inflammatory and neurodegenerative diseases. <i>Nature Communications</i> , 2021, 12, 2203.	5.8	222
4	Flower-like PEGylated MoS ₂ nanoflakes for near-infrared photothermal cancer therapy. <i>Scientific Reports</i> , 2015, 5, 17422.	1.6	219
5	Effect of pH-Responsive Alginate/Chitosan Multilayers Coating on Delivery Efficiency, Cellular Uptake and Biodistribution of Mesoporous Silica Nanoparticles Based Nanocarriers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8447-8460.	4.0	209
6	Beyond the Visible: Bioinspired Infrared Adaptive Materials. <i>Advanced Materials</i> , 2021, 33, e2004754.	11.1	201
7	BMP-2 Derived Peptide and Dexamethasone Incorporated Mesoporous Silica Nanoparticles for Enhanced Osteogenic Differentiation of Bone Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15777-15789.	4.0	191
8	Doxorubicin-loaded electrospun poly(L-lactic acid)/mesoporous silica nanoparticles composite nanofibers for potential postsurgical cancer treatment. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4601.	2.9	174
9	Ultrathin Molybdenum Carbide MXene with Fast Biodegradability for Highly Efficient Theory Oriented Photonic Tumor Hyperthermia. <i>Advanced Functional Materials</i> , 2019, 29, 1901942.	7.8	150
10	Two-dimensional biomaterials: material science, biological effect and biomedical engineering applications. <i>Chemical Society Reviews</i> , 2021, 50, 11381-11485.	18.7	129
11	Au/Polypyrrole@Fe ₃ O ₄ Nanocomposites for MR/CT Dual-Modal Imaging Guided-Photothermal Therapy: An <i>In Vitro</i> Study. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4354-4367.	4.0	128
12	The Coppery Age: Copper (Cu) Involved Nanotheranostics. <i>Advanced Science</i> , 2020, 7, 2001549.	5.6	126
13	Fabrication of gelatin-hyaluronic acid hybrid scaffolds with tunable porous structures for soft tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 474-481.	3.6	125
14	Polyelectrolyte multilayer functionalized mesoporous silica nanoparticles for pH-responsive drug delivery: layer thickness-dependent release profiles and biocompatibility. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5886.	2.9	122
15	Emerging Nanomedicine Enabled/Enhanced Nanodynamic Therapies beyond Traditional Photodynamics. <i>Advanced Materials</i> , 2021, 33, e2005062.	11.1	117
16	Electrophoretic Deposition of Dexamethasone-Loaded Mesoporous Silica Nanoparticles onto Poly(L-Lactic Acid)/Poly(μ -Caprolactone) Composite Scaffold for Bone Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4137-4148.	4.0	109
17	In vitro and in vivo toxicity studies of copper sulfide nanoplates for potential photothermal applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 901-912.	1.7	93
18	Marriage of Albumin-Gadolinium Complexes and MoS ₂ Nanoflakes as Cancer Theranostics for Dual-Modality Magnetic Resonance/Photoacoustic Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17786-17798.	4.0	81

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19	Engineering of biomimetic nanofibrous matrices for drug delivery and tissue engineering. Journal of Materials Chemistry B, 2014, 2, 7828-7848.	2.9	78
20	Mitochondria-specific nanocatalysts for chemotherapy-augmented sequential chemoreactive tumor therapy. Exploration, 2021, 1, 50-60.	5.4	76
21	Biomedical engineering of two-dimensional MXenes. Advanced Drug Delivery Reviews, 2022, 184, 114178.	6.6	69
22	Mesoporous silica nanoparticles/gelatin porous composite scaffolds with localized and sustained release of vancomycin for treatment of infected bone defects. Journal of Materials Chemistry B, 2018, 6, 740-752.	2.9	62
23	Sustained Release of VEGF by Coaxial Electrospun Dextran/PLGA Fibrous Membranes in Vascular Tissue Engineering. Journal of Biomaterials Science, Polymer Edition, 2011, 22, 1811-1827.	1.9	60
24	Facile synthesis of novel albumin-functionalized flower-like MoS ₂ nanoparticles for in vitro chemo-photothermal synergistic therapy. RSC Advances, 2016, 6, 13040-13049.	1.7	56
25	Heparinized PLLA/PLCL nanofibrous scaffold for potential engineering of small diameter blood vessel: Tunable elasticity and anticoagulation property. Journal of Biomedical Materials Research - Part A, 2015, 103, 1784-1797.	2.1	54
26	Chemistry of two-dimensional MXene nanosheets in theranostic nanomedicine. Chinese Chemical Letters, 2020, 31, 937-946.	4.8	52
27	Fabrication of heterogeneous porous bilayered nanofibrous vascular grafts by two-step phase separation technique. Acta Biomaterialia, 2018, 79, 168-181.	4.1	50
28	Rapid mineralization of porous gelatin scaffolds by electrodeposition for bone tissue engineering. Journal of Materials Chemistry, 2012, 22, 2111-2119.	6.7	44
29	Ultrasound-Controlled CRISPR/Cas9 System Augments Sonodynamic Therapy of Hepatocellular Carcinoma. ACS Central Science, 2021, 7, 2049-2062.	5.3	44
30	Fabrication of fibrinogen/P(LLA-CL) hybrid nanofibrous scaffold for potential soft tissue engineering applications. Journal of Biomedical Materials Research - Part A, 2011, 97A, 339-347.	2.1	40
31	Antitumor efficacy of a PLGA composite nanofiber embedded with doxorubicin@MSNs and hydroxycamptothecin@HANPs. RSC Advances, 2014, 4, 53344-53351.	1.7	40
32	Strontium-incorporated mineralized PLLA nanofibrous membranes for promoting bone defect repair. Colloids and Surfaces B: Biointerfaces, 2019, 179, 363-373.	2.5	39
33	Synthesis of hollow mesoporous silica nanoparticles with tunable shell thickness and pore size using amphiphilic block copolymers as core templates. Dalton Transactions, 2014, 43, 11834.	1.6	38
34	Biomedical Applications of MXenes: From Nanomedicine to Biomaterials. Accounts of Materials Research, 2022, 3, 785-798.	5.9	38
35	Engineering two-dimensional silicene composite nanosheets for dual-sensitized and photonic hyperthermia-augmented cancer radiotherapy. Biomaterials, 2021, 269, 120455.	5.7	36
36	Biodegradable and Excretable 2D W _{1.33} C ₁ MXene with Vacancy Ordering for Theory-Oriented Cancer Nanotheranostics in Near-Infrared Biowindow. Advanced Science, 2021, 8, e2101043.	5.6	36

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37	Photosynthetic Oxygenation-Enhanced Sonodynamic Nanotherapy of Hypoxic Tumors. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102135.	3.9	32
38	Engineering Ultrasmall Ferroptosis-Targeting and Reactive Oxygen/Nitrogen Species-Scavenging Nanozyme for Alleviating Acute Kidney Injury. <i>Advanced Functional Materials</i> , 2022, 32, 2109221.	7.8	30
39	Autophagy blockade synergistically enhances nanosensitizer-enabled sonodynamic cancer nanotherapeutics. <i>Journal of Nanobiotechnology</i> , 2021, 19, 112.	4.2	28
40	TCR-pMHC bond conformation controls TCR ligand discrimination. <i>Cellular and Molecular Immunology</i> , 2020, 17, 203-217.	4.8	25
41	CRISPR/Cas9-2D Silicene Gene-Editing Nanosystem for Remote NIR-Induced Tumor Microenvironment Reprogramming and Augmented Photonic Tumor Ablation. <i>Advanced Functional Materials</i> , 2021, 31, 2107093.	7.8	25
42	Persistent luminescence phosphor as in-vivo light source for tumoral cyanobacterial photosynthetic oxygenation and photodynamic therapy. <i>Bioactive Materials</i> , 2022, 10, 131-144.	8.6	23
43	Engineering vanadium carbide MXene as multienzyme mimetics for efficient in vivo ischemic stroke treatment. <i>Chemical Engineering Journal</i> , 2022, 440, 135810.	6.6	21
44	Crosslinking of poly(L-lactide) nanofibers with triallyl isocyanurate by gamma-irradiation for tissue engineering application. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 99A, 655-665.	2.1	18
45	Chemoreactive nanomedicine. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6753-6764.	2.9	18
46	Oxygen-Independent Sulfate Radical for Stimuli-Responsive Tumor Nanotherapy. <i>Advanced Science</i> , 2022, 9, e2200974.	5.6	18
47	Structured silicon for revealing transient and integrated signal transductions in microbial systems. <i>Science Advances</i> , 2020, 6, eaay2760.	4.7	14
48	Multifunctional cascade nanocatalysts for NIR-II-synergized photonic hyperthermia-strengthened nanocatalytic therapy of epithelial and embryonal tumors. <i>Chemical Engineering Journal</i> , 2021, 411, 128364.	6.6	14
49	Synthesis and characterization of nanofibrous hollow microspheres with tunable size and morphology via thermally induced phase separation technique. <i>RSC Advances</i> , 2015, 5, 61580-61585.	1.7	11
50	Nanobiomimetic Medicine. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	10
51	Highly Efficient Glioma Targeting of Tat Peptide-TTA1 Aptamer-Polyethylene Glycol-Modified Gelatin-Siloxane Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2325-2329.	0.9	8
52	Thermo-and pH dual-responsive mesoporous silica nanoparticles for controlled drug release. <i>Journal of Controlled Release</i> , 2015, 213, e69-e70.	4.8	7
53	Programmed self-assembly of enzyme activity-inhibited nanomedicine for augmenting chemodynamic tumor nanotherapy. <i>Nanoscale</i> , 2022, 14, 6171-6183.	2.8	6
54	Contrast-enhanced magnetic resonance imaging perfusion can predict microvascular invasion in patients with hepatocellular carcinoma (between 1 and 5 cm). <i>Abdominal Radiology</i> , 2022, 47, 3264-3275.	1.0	4

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55	A drug delivery system based on novel hollow mesoporous silica nanospheres. <i>Journal of Controlled Release</i> , 2015, 213, e108-e109.	4.8	3
56	Clinical study of digital mammography, contrast-enhanced MRI as well as their combination in the diagnosis of breast cancer. <i>Chinese-German Journal of Clinical Oncology</i> , 2008, 7, 286-291.	0.1	1
57	Effect of <sc>HUK</sc> on the outcome of ruptured intracranial aneurysm. <i>Brain and Behavior</i> , 2018, 8, e01060.	1.0	1
58	Sorting and identification of circulating tumor cells of gliomas with EGFR antibody-modified immunomagnetic microspheres. <i>AIP Advances</i> , 2021, 11, 025141.	0.6	1
59	De Novo Biosynthesis of the Anticancer Compound Euphol in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 2351-2358.	1.9	1
60	Efficient phosphate recovery as vivianite: synergistic effect of iron minerals and microorganisms. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 270-279.	1.2	0