

Xi-Fan Mei

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,249
citations

201674

27
h-index

265206

42
g-index

83
all docs

83
docs citations

83
times ranked

2344
citing authors

#	ARTICLE	IF	CITATIONS
1	Resveratrol protects against spinal cord injury by activating autophagy and inhibiting apoptosis mediated by the SIRT1/AMPK signaling pathway. <i>Neuroscience</i> , 2017, 348, 241-251.	2.3	161
2	Zinc attenuates ferroptosis and promotes functional recovery in contusion spinal cord injury by activating Nrf2/GPX4 defense pathway. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 1023-1040.	3.9	103
3	Fluorescence enhancement for noble metal nanoclusters. <i>Advances in Colloid and Interface Science</i> , 2017, 250, 25-39.	14.7	100
4	Metformin preconditioning provide neuroprotection through enhancement of autophagy and suppression of inflammation and apoptosis after spinal cord injury. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 534-540.	2.1	95
5	Berberine-loaded M2 macrophage-derived exosomes for spinal cord injury therapy. <i>Acta Biomaterialia</i> , 2021, 126, 211-223.	8.3	88
6	Simvastatin inhibits neural cell apoptosis and promotes locomotor recovery via activation of Wnt/ β -catenin signaling pathway after spinal cord injury. <i>Journal of Neurochemistry</i> , 2016, 138, 139-149.	3.9	83
7	Encapsulation of green tea polyphenol nanospheres in PVA/alginate hydrogel for promoting wound healing of diabetic rats by regulating PI3K/AKT pathway. <i>Materials Science and Engineering C</i> , 2020, 110, 110686.	7.3	77
8	VEGF inhibits the inflammation in spinal cord injury through activation of autophagy. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 453-458.	2.1	66
9	Preparation of exosomes encapsulated nanohydrogel for accelerating wound healing of diabetic rats by promoting angiogenesis. <i>Materials Science and Engineering C</i> , 2021, 120, 111671.	7.3	66
10	Preparation of novel berberine nano-colloids for improving wound healing of diabetic rats by acting Sirt1/NF- κ B pathway. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 187, 110647.	5.0	61
11	Preparation of Photocatalytic and Antibacterial MOF Nanozyme Used for Infected Diabetic Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18194-18208.	8.0	61
12	Zinc promotes functional recovery after spinal cord injury by activating Nrf2/HO-1 defense pathway and inhibiting inflammation of NLRP3 in nerve cells. <i>Life Sciences</i> , 2020, 245, 117351.	4.3	59
13	Preparation of NIR-responsive, ROS-generating and antibacterial black phosphorus quantum dots for promoting the MRSA-infected wound healing in diabetic rats. <i>Acta Biomaterialia</i> , 2022, 137, 199-217.	8.3	58
14	A theranostic nanoplatform: magneto-gold@fluorescence polymer nanoparticles for tumor targeting 18 F-MRI/CT/NIR fluorescence imaging and induction of genuine autophagy mediated chemotherapy. <i>Nanoscale</i> , 2018, 10, 10467-10478.	5.6	49
15	Preparation of Nickel Cobalt Sulfide Hollow Nanocolloids with Enhanced Electrochemical Property for Supercapacitors Application. <i>Scientific Reports</i> , 2016, 6, 25151.	3.3	47
16	Tea polyphenol modified, photothermal responsive and ROS generative black phosphorus quantum dots as nanoplatforms for promoting MRSA infected wounds healing in diabetic rats. <i>Journal of Nanobiotechnology</i> , 2021, 19, 362.	9.1	45
17	Development of General Methods for Detection of Virus by Engineering Fluorescent Silver Nanoclusters. <i>ACS Sensors</i> , 2021, 6, 613-627.	7.8	42
18	Netrin-1 Improves Functional Recovery through Autophagy Regulation by Activating the AMPK/mTOR Signaling Pathway in Rats with Spinal Cord Injury. <i>Scientific Reports</i> , 2017, 7, 42288.	3.3	40

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19	Engineering the Self-Assembly Induced Emission of Copper Nanoclusters as 3D Nanomaterials with Mesoporous Sphere Structures by the Crosslinking of Ce ³⁺ . ACS Omega, 2018, 3, 14755-14765.	3.5	37
20	One-pot development of water soluble copper nanoclusters with red emission and aggregation induced fluorescence enhancement. RSC Advances, 2016, 6, 34090-34095.	3.6	36
21	Probucol inhibits neural cell apoptosis via inhibition of mTOR signaling pathway after spinal cord injury. Neuroscience, 2016, 329, 193-200.	2.3	35
22	Encapsulation of green tea polyphenol by pH responsive, antibacterial, alginate microgels used for minimally invasive treatment of bone infection. Colloids and Surfaces B: Biointerfaces, 2018, 170, 648-655.	5.0	31
23	GSH and enzyme responsive nanospheres based on self-assembly of green tea polyphenols and BSA used for target cancer chemotherapy. Colloids and Surfaces B: Biointerfaces, 2019, 173, 654-661.	5.0	31
24	Klotho ameliorates cyclosporine A-induced nephropathy via PDLIM2/NF- κ B p65 signaling pathway. Biochemical and Biophysical Research Communications, 2017, 486, 451-457.	2.1	30
25	Preparation of ROS active and photothermal responsive hydroxyapatite nanoplateforms for anticancer therapy. Materials Science and Engineering C, 2021, 125, 112098.	7.3	30
26	Zinc provides neuroprotection by regulating NLRP3 inflammasome through autophagy and ubiquitination in a spinal contusion injury model. CNS Neuroscience and Therapeutics, 2021, 27, 413-425.	3.9	29
27	Preparation of epigallocatechin gallate decorated Au-Ag nano-heterostructures as NIR-sensitive nano-enzymes for the treatment of osteoarthritis through mitochondrial repair and cartilage protection. Acta Biomaterialia, 2022, 144, 168-182.	8.3	29
28	The Role of Netrin-1 in Improving Functional Recovery through Autophagy Stimulation Following Spinal Cord Injury in Rats. Frontiers in Cellular Neuroscience, 2017, 11, 350.	3.7	28
29	Zinc Improves Functional Recovery by Regulating the Secretion of Granulocyte Colony Stimulating Factor From Microglia/Macrophages After Spinal Cord Injury. Frontiers in Molecular Neuroscience, 2019, 12, 18.	2.9	28
30	Purification and separation of ultra-small metal nanoclusters. Advances in Colloid and Interface Science, 2020, 276, 102090.	14.7	28
31	Electrospinning of antibacterial and anti-inflammatory Ag@hesperidin core-shell nanoparticles into nanofibers used for promoting infected wound healing. International Journal of Energy Production and Management, 2022, 9, rbac012.	3.7	28
32	Engineered extracellular vesicles derived from primary M2 macrophages with anti-inflammatory and neuroprotective properties for the treatment of spinal cord injury. Journal of Nanobiotechnology, 2021, 19, 373.	9.1	25
33	Role of NLRP3 Inflammasomes in Neuroinflammation Diseases. European Neurology, 2020, 83, 576-580.	1.4	23
34	Supplement zinc as an effective treatment for spinal cord ischemia/reperfusion injury in rats. Brain Research, 2014, 1545, 45-53.	2.2	22
35	Preparation of core-shell structured CaCO ₃ microspheres as rapid and recyclable adsorbent for anionic dyes. Royal Society Open Science, 2017, 4, 170697.	2.4	22
36	Zinc promotes autophagy and inhibits apoptosis through AMPK/mTOR signaling pathway after spinal cord injury. Neuroscience Letters, 2020, 736, 135263.	2.1	22

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37	HMGB1/Advanced Glycation End Products (RAGE) does not aggravate inflammation but promote endogenous neural stem cells differentiation in spinal cord injury. <i>Scientific Reports</i> , 2017, 7, 10332.	3.3	19
38	Preparation of anticancer micro-medicine based on quinoline and chitosan with pH responsive release performance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 165, 278-285.	5.0	19
39	Enhancement of fluorescence brightness and stability of copper nanoclusters using Zn ²⁺ for ratio-metric sensing of S ²⁻ . <i>Materials Science and Engineering C</i> , 2017, 78, 653-657.	7.3	18
40	Zinc Regulates Glucose Metabolism of the Spinal Cord and Neurons and Promotes Functional Recovery after Spinal Cord Injury through the AMPK Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-27.	4.0	18
41	Promoting proliferation and differentiation of BMSCs by green tea polyphenols functionalized porous calcium phosphate. <i>International Journal of Energy Production and Management</i> , 2018, 5, 35-41.	3.7	17
42	Silver Nanoclusters Encapsulated into Metal-Organic Frameworks for Rapid Removal of Heavy Metal Ions from Water. <i>Molecules</i> , 2019, 24, 2442.	3.8	17
43	Development of coinage metal nanoclusters as antimicrobials to combat bacterial infections. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9466-9480.	5.8	17
44	pH and folic acid dual responsive polysaccharide nanospheres used for nuclear targeted cancer chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 445-451.	5.0	16
45	Regulation of Zinc Transporter 1 Expression in Dorsal Horn of Spinal Cord After Acute Spinal Cord Injury of Rats by Dietary Zinc. <i>Biological Trace Element Research</i> , 2012, 149, 219-226.	3.5	15
46	Fast ion transport through ultrathin shells of metal sulfide hollow nanocolloids used for high-performance energy storage. <i>Scientific Reports</i> , 2018, 8, 30.	3.3	14
47	Development of ratiometric sensing and white light-harvesting materials based on all-copper nanoclusters. <i>Nanoscale Advances</i> , 2019, 1, 1086-1095.	4.6	13
48	Repair calvarial defect of osteoporotic rats by berberine functionalized porous calcium phosphate scaffold. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbab022.	3.7	13
49	An NIR-Triggered Au Nanocage Used for Photo-Thermo Therapy of Chronic Wound in Diabetic Rats Through Bacterial Membrane Destruction and Skin Cell Mitochondrial Protection. <i>Frontiers in Pharmacology</i> , 2021, 12, 779944.	3.5	13
50	Gold nanoclusters conjugated berberine reduce inflammation and alleviate neuronal apoptosis by mediating M2 polarization for spinal cord injury repair. <i>International Journal of Energy Production and Management</i> , 2022, 9, rbab072.	3.7	13
51	TNF promotes M1 polarization through mitochondrial metabolism in injured spinal cord. <i>Free Radical Biology and Medicine</i> , 2021, 172, 622-632.	2.9	12
52	Therapy of spinal cord injury by zinc modified gold nanoclusters via immune-suppressing strategies. <i>Journal of Nanobiotechnology</i> , 2021, 19, 281.	9.1	12
53	Efficient <i>in vivo</i> wound healing using noble metal nanoclusters. <i>Nanoscale</i> , 2021, 13, 6531-6537.	5.6	12
54	Preparation of pro-angiogenic, antibacterial and EGCG-modified ZnO quantum dots for treating bacterial infected wound of diabetic rats. <i>Materials Science and Engineering C</i> , 2022, 133, 112638.	7.3	12

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55	Cytokine Regulation and Fast Inflammation Resolution in Early Rheumatoid Arthritis by Cerium-Modified Gold Nanoclusters. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18053-18063.	8.0	12
56	Protein-mediated mineralization of edaravone into injectable, pH-sensitive microspheres used for potential minimally invasive treatment of osteomyelitis. <i>New Journal of Chemistry</i> , 2018, 42, 5447-5455.	2.8	11
57	Prospects of NIR fluorescent nanosensors for green detection of SARS-CoV-2. <i>Sensors and Actuators B: Chemical</i> , 2022, 362, 131764.	7.8	11
58	Receptor for Advanced Glycation End-Products (RAGE) Blockade Do Damage to Neuronal Survival via Disrupting Wnt/ β -Catenin Signaling in Spinal Cord Injury. <i>Neurochemical Research</i> , 2018, 43, 1405-1412.	3.3	10
59	Construction of injectable, pH sensitive, antibacterial, mineralized amino acid yolk-shell microspheres for potential minimally invasive treatment of bone infection. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3493-3506.	6.7	10
60	Genistein inhibited ammonia induced astrocyte swelling by inhibiting NF- κ B activation-mediated nitric oxide formation. <i>Metabolic Brain Disease</i> , 2017, 32, 841-848.	2.9	9
61	Prepare porous silica nanospheres for water sustainability: high efficient and recyclable adsorbent for cationic organic dyes. <i>Colloid and Polymer Science</i> , 2018, 296, 59-70.	2.1	9
62	Folate-modified hydroxyapatite nanorods induce apoptosis in MCF-7 cells through a mitochondrial-dependent pathway. <i>New Journal of Chemistry</i> , 2019, 43, 14728-14738.	2.8	9
63	Protective Effects of Zinc on Spinal Cord Injury. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 2433-2440.	2.3	9
64	Ultrasensitive multiplexed immunoassay of autophagic biomarkers based on Au/rGO and Au nanocages amplifying electrochemical signal. <i>Scientific Reports</i> , 2017, 7, 2442.	3.3	8
65	Toxicity of food sweetener-sodium cyclamate on osteoblasts cells. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 507-511.	2.1	7
66	Zinc Promotes Microglial Autophagy Through NLRP3 Inflammasome Inactivation via XIST/miR-374a-5p Axis in Spinal Cord Injury. <i>Neurochemical Research</i> , 2022, 47, 372-381.	3.3	7
67	Gold nanoclusters for optimizing the general efficacies of herbal medicines on nerve repair after spinal cord injury. <i>Materials and Design</i> , 2022, 215, 110465.	7.0	7
68	Liraglutide provides neuroprotection by regulating autophagy through the AMPK-FOXO3 signaling pathway in a spinal contusion injury rat model. <i>Neuroscience Letters</i> , 2020, 720, 134747.	2.1	6
69	Ultrafast synthesis of silver nanoplates in ethanol at room temperature. <i>New Journal of Chemistry</i> , 2016, 40, 7265-7268.	2.8	5
70	Preparation of tea polyphenol-modified copper nanoclusters to promote the proliferation of MC3T3-E1 in high glucose microenvironment. <i>New Journal of Chemistry</i> , 2019, 43, 4082-4091.	2.8	5
71	Folic acid-modified lysozyme protected gold nanoclusters as an effective anti-inflammatory drug for rapid relief of gout flares in hyperuricemic rats. <i>Materials and Design</i> , 2022, 217, 110642.	7.0	5
72	Developing cerium modified gold nanoclusters for the treatment of advanced-stage rheumatoid arthritis. <i>Materials Today Bio</i> , 2022, 15, 100331.	5.5	5

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73	Systematic reviews on reports of hip fractures in Web of Science: a bibliometric analysis of publication activity. Chinese Medical Journal, 2014, 127, 2518-22.	2.3	4
74	Aggregation of silver nanoplates in the presence of L-cysteine and the application for separation. IET Nanobiotechnology, 2018, 12, 609-612.	3.8	3
75	Blockade of receptor for advanced glycation end products promotes oligodendrocyte autophagy in spinal cord injury. Neuroscience Letters, 2019, 698, 198-203.	2.1	3
76	Preparation of Ag Nanoclusters-Modified Non-Sintered Silica Ceramic-Like Nanosheet for Removing Dyes and Bacteria from Water. International Journal of Nanomedicine, 2021, Volume 16, 895-904.	6.7	3
77	Fabrication of antibacterial sponge cleaner using gold nanoclusters. IET Nanobiotechnology, 2020, 14, 412-416.	3.8	2