

Zhijun Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

12,903
citations

28274

55
h-index

24982

109
g-index

163
all docs

163
docs citations

163
times ranked

18806
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Graphene Oxide as a Nanocarrier for Controlled Loading and Targeted Delivery of Mixed Anticancer Drugs. <i>Small</i> , 2010, 6, 537-544.	10.0	1,544
2	Biomedical Applications of Graphene. <i>Theranostics</i> , 2012, 2, 283-294.	10.0	827
3	Surface Plasmon Resonance Enhanced Light Absorption and Photothermal Therapy in the Second Near-Infrared Window. <i>Journal of the American Chemical Society</i> , 2014, 136, 15684-15693.	13.7	575
4	Enhanced Chemotherapy Efficacy by Sequential Delivery of siRNA and Anticancer Drugs Using PEI-Grafted Graphene Oxide. <i>Small</i> , 2011, 7, 460-464.	10.0	535
5	The inÂvitro and inÂvivo toxicity of graphene quantum dots. <i>Biomaterials</i> , 2014, 35, 5041-5048.	11.4	437
6	Nanocomposites of size-controlled gold nanoparticles and graphene oxide: Formation and applications in SERS and catalysis. <i>Nanoscale</i> , 2010, 2, 2733.	5.6	409
7	Photophysics of dopamine-modified quantum dots and effects on biological systems. <i>Nature Materials</i> , 2006, 5, 409-417.	27.5	303
8	M2 microglia-derived exosomes protect the mouse brain from ischemia-reperfusion injury via exosomal miR-124. <i>Theranostics</i> , 2019, 9, 2910-2923.	10.0	301
9	Polyethylenimine-functionalized graphene oxide as an efficient gene delivery vector. <i>Journal of Materials Chemistry</i> , 2011, 21, 7736.	6.7	295
10	Aqueous-Processable Noncovalent Chemically Converted Graphene-Quantum Dot Composites for Flexible and Transparent Optoelectronic Films. <i>Advanced Materials</i> , 2010, 22, 638-642.	21.0	288
11	Enhanced Proliferation and Osteogenic Differentiation of Mesenchymal Stem Cells on Graphene Oxide-Incorporated Electrospun Poly(lactic-co-glycolic acid) Nanofibrous Mats. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6331-6339.	8.0	285
12	Composites of Aminodextran-Coated Fe ₃ O ₄ Nanoparticles and Graphene Oxide for Cellular Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 4085-4091.	8.0	276
13	Controlled assembly of Fe ₃ O ₄ magnetic nanoparticles on graphene oxide. <i>Nanoscale</i> , 2011, 3, 1446.	5.6	216
14	Mechanism of Cellular Uptake of Graphene Oxide Studied by Surface-Enhanced Raman Spectroscopy. <i>Small</i> , 2012, 8, 2577-2584.	10.0	208
15	Role of surface charge and oxidative stress in cytotoxicity and genotoxicity of graphene oxide towards human lung fibroblast cells. <i>Journal of Applied Toxicology</i> , 2013, 33, 1156-1164.	2.8	178
16	Rapamycin attenuates mitochondrial dysfunction via activation of mitophagy in experimental ischemic stroke. <i>Biochemical and Biophysical Research Communications</i> , 2014, 444, 182-188.	2.1	163
17	Increased Circulating Exosomal miRNA-223 Is Associated with Acute Ischemic Stroke. <i>Frontiers in Neurology</i> , 2017, 8, 57.	2.4	161
18	Transferrin Modified Graphene Oxide for Glioma-Targeted Drug Delivery: In Vitro and in Vivo Evaluations. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6909-6914.	8.0	160

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19	Cancer-Targeted Nanotheranostics: Recent Advances and Perspectives. <i>Small</i> , 2016, 12, 4936-4954.	10.0	158
20	PEGylated Graphene Oxide-Mediated Protein Delivery for Cell Function Regulation. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6317-6323.	8.0	154
21	Rational Design and Synthesis of $^{56}\text{Fe}@Au$ Magnetic Gold Nanoflowers for Efficient Cancer Theranostics. <i>Advanced Materials</i> , 2015, 27, 5049-5056.	21.0	135
22	pH-Responsive Cyanine-Crafted Graphene Oxide for Fluorescence Resonance Energy Transfer-Enhanced Photothermal Therapy. <i>Advanced Functional Materials</i> , 2015, 25, 59-67.	14.9	122
23	3D bioprinted neural tissue constructs for spinal cord injury repair. <i>Biomaterials</i> , 2021, 272, 120771.	11.4	121
24	Manganese Doped Iron Oxide Theranostic Nanoparticles for Combined T_1 Magnetic Resonance Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4650-4658.	8.0	107
25	PEGylated reduced graphene oxide as a superior ssRNA delivery system. <i>Journal of Materials Chemistry B</i> , 2013, 1, 749-755.	5.8	106
26	Microglia exacerbate white matter injury via complement C3/C3aR pathway after hypoperfusion. <i>Theranostics</i> , 2020, 10, 74-90.	10.0	106
27	MRI/SPECT/Fluorescent Tri-Modal Probe for Evaluating the Homing and Therapeutic Efficacy of Transplanted Mesenchymal Stem Cells in a Rat Ischemic Stroke Model. <i>Advanced Functional Materials</i> , 2015, 25, 1024-1034.	14.9	102
28	MicroRNA-29b is a Therapeutic Target in Cerebral Ischemia Associated with Aquaporin 4. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1977-1984.	4.3	101
29	M2 microglial small extracellular vesicles reduce glial scar formation via the miR-124/STAT3 pathway after ischemic stroke in mice. <i>Theranostics</i> , 2021, 11, 1232-1248.	10.0	90
30	In Vitro Hemocompatibility and Toxic Mechanism of Graphene Oxide on Human Peripheral Blood T Lymphocytes and Serum Albumin. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19797-19807.	8.0	88
31	Graphene Oxide Based Theranostic Platform for T_1 -Weighted Magnetic Resonance Imaging and Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 13325-13332.	8.0	85
32	Self-Assembled Virus-Like Particles from Rotavirus Structural Protein VP6 for Targeted Drug Delivery. <i>Bioconjugate Chemistry</i> , 2011, 22, 346-352.	3.6	84
33	BMSCs-laden gelatin/sodium alginate/carboxymethyl chitosan hydrogel for 3D bioprinting. <i>RSC Advances</i> , 2016, 6, 108423-108430.	3.6	84
34	Stroke subtype-dependent synapse elimination by reactive gliosis in mice. <i>Nature Communications</i> , 2021, 12, 6943.	12.8	84
35	Preparation of Graphene Quantum Dots for Bioimaging Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 2924-2928.	0.9	83
36	Mesenchymal stem cells attenuate blood-brain barrier leakage after cerebral ischemia in mice. <i>Journal of Neuroinflammation</i> , 2018, 15, 135.	7.2	80

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37	Molecular Orientation and Aggregation in Langmuir-Blodgett Films of 5-(4-N-Octadecylpyridyl)-10,15,20-tri-p-tolylporphyrin Studied by Ultraviolet-Visible and Infrared Spectroscopies. <i>Langmuir</i> , 1997, 13, 4422-4427.	3.5	79
38	Preparation and Characterization of a Porphyrin Self-Assembled Monolayer with a Controlled Orientation on Gold. <i>Langmuir</i> , 2000, 16, 537-540.	3.5	79
39	Blood-Brain Barrier Disruption Induced Cognitive Impairment Is Associated With Increase of Inflammatory Cytokine. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 129.	3.4	79
40	Metformin promotes focal angiogenesis and neurogenesis in mice following middle cerebral artery occlusion. <i>Neuroscience Letters</i> , 2014, 579, 46-51.	2.1	78
41	Removal and recycling of ppm levels of methylene blue from an aqueous solution with graphene oxide. <i>RSC Advances</i> , 2015, 5, 27922-27932.	3.6	78
42	MicroRNA-126-3p/-5p Overexpression Attenuates Blood-Brain Barrier Disruption in a Mouse Model of Middle Cerebral Artery Occlusion. <i>Stroke</i> , 2020, 51, 619-627.	2.0	78
43	Efficient cancer ablation by combined photothermal and enhanced chemo-therapy based on carbon nanoparticles/doxorubicin@SiO ₂ nanocomposites. <i>Carbon</i> , 2016, 97, 35-44.	10.3	77
44	Macrophage depletion reduced brain injury following middle cerebral artery occlusion in mice. <i>Journal of Neuroinflammation</i> , 2016, 13, 38.	7.2	76
45	Significance of Complement System in Ischemic Stroke: A Comprehensive Review. , 2019, 10, 429.		75
46	Formation of a Porphyrin Monolayer Film by Axial Ligation of Protoporphyrin IX Zinc to an Amino-Terminated Silanized Glass Surface. <i>Langmuir</i> , 2000, 16, 1158-1162.	3.5	74
47	Activated regulatory T cell regulates neural stem cell proliferation in the subventricular zone of normal and ischemic mouse brain through interleukin 10. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 361.	3.7	74
48	Multifunctional nanotheranostic gold nanocages for photoacoustic imaging guided radio/photodynamic/photothermal synergistic therapy. <i>Acta Biomaterialia</i> , 2019, 84, 328-338.	8.3	73
49	Indocyanine Green Loaded Magnetic Carbon Nanoparticles for Near Infrared Fluorescence/Magnetic Resonance Dual-Modal Imaging and Photothermal Therapy of Tumor. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9484-9495.	8.0	68
50	Silicon Phthalocyanine Covalently Functionalized N-Doped Ultrasmall Reduced Graphene Oxide Decorated with Pt Nanoparticles for Hydrogen Evolution from Water. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3732-3741.	8.0	65
51	Oligodendrocyte precursor cells transplantation protects blood-brain barrier in a mouse model of brain ischemia via Wnt/ β -catenin signaling. <i>Cell Death and Disease</i> , 2020, 11, 9.	6.3	64
52	A SERS-based multiple immuno-nanoprobe for ultrasensitive detection of neomycin and quinolone antibiotics via a lateral flow assay. <i>Mikrochimica Acta</i> , 2018, 185, 84.	5.0	63
53	DL-3-N-butylphthalide attenuates ischemic reperfusion injury by improving the function of cerebral artery and circulation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2011-2021.	4.3	62
54	MicroRNA-126 Regulates Angiogenesis and Neurogenesis in a Mouse Model of Focal Cerebral Ischemia. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 15-25.	5.1	61

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55	Polyamidoamine-Grafted Multiwalled Carbon Nanotubes for Gene Delivery: Synthesis, Transfection and Intracellular Trafficking. <i>Bioconjugate Chemistry</i> , 2011, 22, 2237-2243.	3.6	59
56	Hypoxia Response Element-Regulated MMP-9 Promotes Neurological Recovery via Glial Scar Degradation and Angiogenesis in Delayed Stroke. <i>Molecular Therapy</i> , 2017, 25, 1448-1459.	8.2	59
57	PEGylated carbon nanoparticles for efficient in vitro photothermal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2184-2192.	5.8	58
58	Ultrasmall Graphene Oxide Supported Gold Nanoparticles as Adjuvants Improve Humoral and Cellular Immunity in Mice. <i>Advanced Functional Materials</i> , 2014, 24, 6963-6971.	14.9	58
59	Synthesis of Gold Nanorods and Their Functionalization with Bovine Serum Albumin for Optical Hyperthermia. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 1440-1449.	1.1	57
60	Tracking the intracellular drug release from graphene oxide using surface-enhanced Raman spectroscopy. <i>Nanoscale</i> , 2013, 5, 10591.	5.6	55
61	Surface-Enhanced Raman Scattering and Surface-Enhanced Infrared Absorption Spectroscopic Studies of a Metalloporphyrin Monolayer Film Formed on Pyridine Self-Assembled Monolayer-Modified Gold. <i>Langmuir</i> , 2001, 17, 4564-4568.	3.5	54
62	Hydrogen-Bonding Stabilized Self-Assembled Monolayer Film of a Functionalized Diacid, Protoporphyrin IX Zinc(II), onto a Gold Surface. <i>Nano Letters</i> , 2001, 1, 241-243.	9.1	54
63	Study of Surface-Enhanced Infrared Spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2001, 233, 99-106.	9.4	53
64	The effect of surface charge on the cytotoxicity and uptake of carbon quantum dots in human umbilical cord derived mesenchymal stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 241-249.	5.0	53
65	Sestrin2 regulates microglia polarization through mTOR-mediated autophagic flux to attenuate inflammation during experimental brain ischemia. <i>Journal of Neuroinflammation</i> , 2020, 17, 329.	7.2	52
66	cxcl12-engineered endothelial progenitor cells enhance neurogenesis and angiogenesis after ischemic brain injury in mice. <i>Stem Cell Research and Therapy</i> , 2018, 9, 139.	5.5	51
67	Utilization of a lateral flow colloidal gold immunoassay strip based on surface-enhanced Raman spectroscopy for ultrasensitive detection of antibiotics in milk. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 197, 107-113.	3.9	49
68	Gadolinium functionalized carbon dots for fluorescence/magnetic resonance dual-modality imaging of mesenchymal stem cells. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7472-7480.	5.8	46
69	Endothelial progenitor cells transplantation attenuated blood-brain barrier damage after ischemia in diabetic mice via HIF-1 α . <i>Stem Cell Research and Therapy</i> , 2017, 8, 163.	5.5	46
70	HP- β -CD Functionalized Fe ₃ O ₄ /CNPs-Based Theranostic Nanoplatform for pH/NIR Responsive Drug Release and MR/NIRFL Imaging-Guided Synergetic Chemo/Photothermal Therapy of Tumor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33867-33878.	8.0	45
71	The Function of Astrocyte Mediated Extracellular Vesicles in Central Nervous System Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 568889.	3.7	44
72	Accelerated biomineralization of graphene oxide α -incorporated cellulose acetate nanofibrous scaffolds for mesenchymal stem cell osteogenesis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 251-258.	5.0	43

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73	Hyaluronic Acid-Modified Au@Ag Alloy Nanoparticles for Radiation/Nanozyme/Ag ⁺ Multimodal Synergistically Enhanced Cancer Therapy. <i>Bioconjugate Chemistry</i> , 2020, 31, 1756-1765.	3.6	43
74	A collagen-binding EGFR single-chain Fv antibody fragment for the targeted cancer therapy. <i>Journal of Controlled Release</i> , 2015, 209, 101-109.	9.9	42
75	<p>Promoting tendon to bone integration using graphene oxide-doped electrospun poly(lactic-co-glycolic acid) nanofibrous membrane</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 1835-1847.	6.7	41
76	HBC-nanofiber hydrogel scaffolds with 3D printed internal microchannels for enhanced cartilage differentiation. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6115-6127.	5.8	41
77	Native and Bioengineered Exosomes for Ischemic Stroke Therapy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 619565.	3.7	41
78	Rational design of a thermalresponsive-polymer-switchable FRET system for enhancing the temperature sensitivity of upconversion nanophosphors. <i>Nanoscale</i> , 2014, 6, 10179-10186.	5.6	39
79	Contribution of Vascular Cells to Neointimal Formation. <i>PLoS ONE</i> , 2017, 12, e0168914.	2.5	38
80	Chondroinductive factor-free chondrogenic differentiation of human mesenchymal stem cells in graphene oxide-incorporated hydrogels. <i>Journal of Materials Chemistry B</i> , 2018, 6, 908-917.	5.8	38
81	Assessing <i>in vivo</i> toxicity of graphene materials: current methods and future outlook. <i>Nanomedicine</i> , 2014, 9, 1565-1580.	3.3	37
82	CLARITY for High-resolution Imaging and Quantification of Vasculature in the Whole Mouse Brain. , 2018, 9, 262.		37
83	Molecular Orientation and Aggregation in Mixed Langmuir-Blodgett Films of 5-(4-N-Octadecylpyridyl)-10,15,20-tri-p-tolylporphyrin and Stearic Acid Studied by Ultraviolet-Visible, Fluorescence, and Infrared Spectroscopies. <i>Langmuir</i> , 1998, 14, 1177-1182.	3.5	35
84	A collagen-binding EGFR antibody fragment targeting tumors with a collagen-rich extracellular matrix. <i>Scientific Reports</i> , 2016, 6, 18205.	3.3	33
85	MicroRNA-137 and microRNA-195* inhibit vasculogenesis in brain arteriovenous malformations. <i>Annals of Neurology</i> , 2017, 82, 371-384.	5.3	33
86	Graphene Oxide Incorporated PLGA Nanofibrous Scaffold for Solid Phase Gene Delivery into Mesenchymal Stem Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2286-2293.	0.9	33
87	Long-term <i>in vivo</i> CT tracking of mesenchymal stem cells labeled with Au@BSA@PLL nanotracers. <i>Nanoscale</i> , 2019, 11, 20932-20941.	5.6	33
88	Rotavirus capsid surface protein VP4-coated Fe ₃ O ₄ nanoparticles as a theranostic platform for cellular imaging and drug delivery. <i>Biomaterials</i> , 2012, 33, 7895-7902.	11.4	31
89	A Self-Assembled Monolayer of an Alkanoic Acid-Derivatized Porphyrin on Gold Surface: A Structural Investigation by Surface Plasmon Resonance, Ultraviolet-Visible, and Infrared Spectroscopies. <i>Journal of Colloid and Interface Science</i> , 2001, 243, 382-387.	9.4	30
90	Optogenetic Inhibition of Striatal GABAergic Neuronal Activity Improves Outcomes After Ischemic Brain Injury. <i>Stroke</i> , 2017, 48, 3375-3383.	2.0	29

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91	3D printed PEGDA microstructures for gelatin scaffold integration and neuron differentiation. <i>Microelectronic Engineering</i> , 2016, 158, 30-34.	2.4	28
92	Golden-star nanoparticles as adjuvant effectively promotes immune response to foot-and-mouth disease virus-like particles vaccine. <i>Vaccine</i> , 2018, 36, 6752-6760.	3.8	28
93	Rapamycin Increases Collateral Circulation in Rodent Brain after Focal Ischemia as detected by Multiple Modality Dynamic Imaging. <i>Theranostics</i> , 2019, 9, 4923-4934.	10.0	28
94	Optical inhibition of striatal neurons promotes focal neurogenesis and neurobehavioral recovery in mice after middle cerebral artery occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 837-847.	4.3	27
95	Ultrasmall graphene oxide based T1 MRI contrast agent for in vitro and in vivo labeling of human mesenchymal stem cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2475-2483.	3.3	27
96	CT/Bioluminescence Dual-Modal Imaging Tracking of Mesenchymal Stem Cells in Pulmonary Fibrosis. <i>Small</i> , 2019, 15, e1904314.	10.0	27
97	CT/NIRF dual-modal imaging tracking and therapeutic efficacy of transplanted mesenchymal stem cells labeled with Au nanoparticles in silica-induced pulmonary fibrosis. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1713-1727.	5.8	27
98	Farnesoid X receptor knockout protects brain against ischemic injury through reducing neuronal apoptosis in mice. <i>Journal of Neuroinflammation</i> , 2020, 17, 164.	7.2	26
99	Netrin-1 attenuates brain injury after middle cerebral artery occlusion via downregulation of astrocyte activation in mice. <i>Journal of Neuroinflammation</i> , 2018, 15, 268.	7.2	25
100	Release of methylene blue from graphene oxide-coated electrospun nanofibrous scaffolds to modulate functions of neural progenitor cells. <i>Acta Biomaterialia</i> , 2019, 88, 346-356.	8.3	25
101	Au-Pt nanozyme-based multifunctional hydrogel dressing for diabetic wound healing. , 2022, 137, 212869.		25
102	Substrate-Dependent Aggregation and Energy Transfer in Langmuir-Blodgett Films of 5-(4-N-Octadecylpyridyl)-10,15,20-tri-p-tolylporphyrin Studied by Ultraviolet-Visible and Fluorescence Spectroscopies. <i>Langmuir</i> , 1997, 13, 5726-5731.	3.5	24
103	Study of Surface-Enhanced Infrared Spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2001, 233, 107-111.	9.4	24
104	Neural stem cell-laden 3D bioprinting of polyphenol-doped electroconductive hydrogel scaffolds for enhanced neuronal differentiation. <i>Materials Science and Engineering C</i> , 2022, 133, 112639.	7.3	24
105	pH-Triggered Aggregation of Gold Nanoparticles for Enhanced Labeling and Long-Term CT Imaging Tracking of Stem Cells in Pulmonary Fibrosis Treatment. <i>Small</i> , 2021, 17, e2101861.	10.0	23
106	Long Blood Residence and Large Tumor Uptake of Ruthenium Sulfide Nanoclusters for Highly Efficient Cancer Photothermal Therapy. <i>Scientific Reports</i> , 2017, 7, 41571.	3.3	20
107	Nanoformulation of metal complexes: Intelligent stimuli-responsive platforms for precision therapeutics. <i>Nano Research</i> , 2018, 11, 5474-5498.	10.4	20
108	Excitation energy transfer in Langmuir-Blodgett films of 5-(4-N-octadecylpyridyl)-10,15,20-tri-p-tolylporphyrin on gold-evaporated glass substrates studied by time-resolved fluorescence spectroscopy. <i>Thin Solid Films</i> , 1998, 333, 1-4.	1.8	19

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109	Optogenetic Inhibition of Striatal Neuronal Activity Improves the Survival of Transplanted Neural Stem Cells and Neurological Outcomes after Ischemic Stroke in Mice. <i>Stem Cells International</i> , 2017, 2017, 1-11.	2.5	19
110	Oligodendrocyte precursor cell transplantation promotes angiogenesis and remyelination via Wnt/ β -catenin pathway in a mouse model of middle cerebral artery occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 757-770.	4.3	19
111	Highly resilient, biocompatible, and antibacterial carbon nanotube/hydroxybutyl chitosan sponge dressing for rapid and effective hemostasis. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9754-9763.	5.8	18
112	Recent Development of Conductive Hydrogels for Tissue Engineering: Review and Perspective. <i>Macromolecular Bioscience</i> , 2022, 22, e2200051.	4.1	18
113	Presynaptic Endosomal Cathepsin D Regulates the Biogenesis of GABAergic Synaptic Vesicles. <i>Cell Reports</i> , 2019, 28, 1015-1028.e5.	6.4	17
114	Endothelial progenitor cell transplantation alleviated ischemic brain injury via inhibiting C3/C3aR pathway in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2374-2386.	4.3	17
115	BK Channel-Mediated Microglial Phagocytosis Alleviates Neurological Deficit After Ischemic Stroke. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 683769.	3.7	17
116	Targeting Water in the Brain: Role of Aquaporin-4 in Ischemic Brain Edema. <i>Current Drug Targets</i> , 2019, 20, 748-755.	2.1	17
117	Enhanced and long-term CT imaging tracking of transplanted stem cells labeled with temperature-responsive gold nanoparticles. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2854-2865.	5.8	16
118	<i>In vivo</i> CT imaging tracking of stem cells labeled with Au nanoparticles. <i>View</i> , 2022, 3, 20200119.	5.3	16
119	Magnetic nanocarriers: from material design to magnetic manipulation. <i>International Journal of Nanotechnology</i> , 2008, 5, 1268.	0.2	15
120	Accurate quantum mechanical study of the Renner-Teller effect in the singlet CH ₂ . <i>Journal of Chemical Physics</i> , 2011, 135, 154303.	3.0	15
121	DL-3n-Butylphthalide Improves Blood-Brain Barrier Integrity in Rat After Middle Cerebral Artery Occlusion. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 610714.	3.7	15
122	Combination of TNF- α and graphene oxide-loaded BEZ235 to enhance apoptosis of PIK3CA mutant colorectal cancer cells. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5602.	5.8	14
123	Directed osteogenic differentiation of mesenchymal stem cell in three-dimensional biodegradable methylcellulose-based scaffolds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 332-338.	5.0	14
124	Solvent-Controlled Topological Evolution from Nanospheres to Superhelices. <i>Small</i> , 2020, 16, 2004756.	10.0	14
125	Fingolimod Inhibits Inflammation but Exacerbates Brain Edema in the Acute Phases of Cerebral Ischemia in Diabetic Mice. <i>Frontiers in Neuroscience</i> , 2020, 14, 842.	2.8	14
126	Oligodendrocyte Precursor Cells Transplantation Improves Stroke Recovery via Oligodendrogenesis, Neurite Growth and Synaptogenesis. , 2021, 12, 2096.		14

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127	Extracellular vesicles from adipose-derived stem cells promote microglia M2 polarization and neurological recovery in a mouse model of transient middle cerebral artery occlusion. <i>Stem Cell Research and Therapy</i> , 2022, 13, 21.	5.5	14
128	Monomeric CXCL12 outperforms its dimeric and wild type variants in the promotion of human endothelial progenitor cells' function. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 303-310.	2.1	13
129	Facile engineering of ECM-mimetic injectable dual crosslinking hydrogels with excellent mechanical resilience, tissue adhesion, and biocompatibility. <i>Journal of Materials Chemistry B</i> , 2021, 9, 10003-10014.	5.8	12
130	Gram-scale synthesis of nanotherapeutic agents for CT/T1-weighted MRI bimodal imaging guided photothermal therapy. <i>Nano Research</i> , 2017, 10, 3124-3135.	10.4	11
131	cxcl12 gene engineered endothelial progenitor cells further improve the functions of oligodendrocyte precursor cells. <i>Experimental Cell Research</i> , 2018, 367, 222-231.	2.6	11
132	Near-infrared-persistent luminescence/bioluminescence imaging tracking of transplanted mesenchymal stem cells in pulmonary fibrosis. <i>Biomaterials Science</i> , 2020, 8, 3095-3105.	5.4	11
133	Bi-functional gold nanocages enhance specific immunological responses of foot-and-mouth disease virus-like particles vaccine as a carrier and adjuvant. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 33, 102358.	3.3	10
134	Improved oral delivery of insulin by PLGA nanoparticles coated with 5 β -cholic acid conjugated glycol chitosan. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 064103.	3.3	10
135	The Effect of Myosin Light Chain Kinase on the Occurrence and Development of Intracranial Aneurysm. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 416.	3.7	9
136	One-pot preparation of zwitterionic graphene nanosheets with exceptional redispersibility and its application in pickering emulsions. <i>Carbon</i> , 2020, 157, 448-456.	10.3	9
137	PLGA Hollow Microbubbles Loaded with Iron Oxide Nanoparticles and Doxorubicin for Dual-mode US/MR Imaging and Drug Delivery. <i>Current Nanoscience</i> , 2014, 10, 543-552.	1.2	9
138	Recent advances in cell-laden 3D bioprinting: materials, technologies and applications. <i>Journal of 3D Printing in Medicine</i> , 2017, 1, 245-268.	2.0	8
139	Dynamic Detection of Thrombolysis in Embolic Stroke Rats by Synchrotron Radiation Angiography. <i>Translational Stroke Research</i> , 2019, 10, 695-704.	4.2	8
140	Micro/nano materials regulate cell morphology and intercellular communication by extracellular vesicles. <i>Acta Biomaterialia</i> , 2021, 124, 130-138.	8.3	8
141	Surface Enhanced Infrared Absorption and UV-Vis Spectroscopic Study of a Monolayer Film of Protoporphyrin IX Zinc (II) on Gold. <i>Studies in Surface Science and Catalysis</i> , 2001, 132, 585-588.	1.5	7
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