Zhan-Jun Li

List of Publications by Year
in descending order

71 papers	4,384 citations	117453 34 h-index	106150 65 g-index
74 all docs	74 docs citations	74 times ranked	5942 citing authors

#	Article	IF	Citations
1	Dye-Sensitized Core/Active Shell Upconversion Nanoparticles for Optogenetics and Bioimaging Applications. ACS Nano, 2016, 10, 1060-1066.	7.3	395
2	Direct Aqueous-Phase Synthesis of Sub-10 nm â€œLuminous Pearlsâ€• with Enhanced in Vivo Renewable Near-Infrared Persistent Luminescence. Journal of the American Chemical Society, 2015, 137, 5304-5307.	6.6	357
3	Ultralow-Power Near Infrared Lamp Light Operable Targeted Organic Nanoparticle Photodynamic Therapy. Journal of the American Chemical Society, 2016, 138, 14586-14591.	6.6	275
4	Ultrathin metalâ€“organic framework membrane production by gelâ€“vapour deposition. Nature Communications, 2017, 8, 406.	5.8	233
5	Mammalian Near-Infrared Image Vision through Injectable and Self-Powered Retinal Nanoantennae. Cell, 2019, 177, 243-255.e15.	13.5	206
6	Near-infrared photoactivatable control of Ca2+ signaling and optogenetic immunomodulation. ELife, 2015, 4, .	2.8	197
7	Upconversion Nanoparticles: A Versatile Solution to Multiscale Biological Imaging. Bioconjugate Chemistry, 2015, 26, 166-175.	1.8	178
8	Controlling Interlayer Spacing of Graphene Oxide Membranes by External Pressure Regulation. ACS Nano, 2018, 12, 9309-9317.	7.3	178
9	Enhancing Photodynamic Therapy through Resonance Energy Transfer Constructed Nearâ€Infrared Photosensitized Nanoparticles. Advanced Materials, 2017, 29, 1604789.	11.1	154
10	Endothelial cell injury and dysfunction induced by silver nanoparticles through oxidative stress via IKK/NF-Î²B pathways. Biomaterials, 2014, 35, 6657-6666.	5.7	133
11	Graphene oxide membranes: controlling their transport pathways. Journal of Materials Chemistry A, 2020, 8, 15319-15340.	5.2	118
12	In Vivo Repeatedly Charging Nearâ€Infraredâ€Emitting Mesoporous SiO₂/ZnGa₂O₄:Cr³⁺ Persistent Luminescence Nanocomposites. Advanced Science, 2015, 2, 1500001.	5.6	114
13	CRISPR-Cas systems: Overview, innovations and applications in human disease research and gene therapy. Computational and Structural Biotechnology Journal, 2020, 18, 2401-2415.	1.9	100
14	Tailoring dye-sensitized upconversion nanoparticle excitation bands towards excitation wavelength selective imaging. Nanoscale, 2015, 7, 18424-18428.	2.8	95
15	Polydopamine-Modified Metalâ€“Organic Framework Membrane with Enhanced Selectivity for Carbon Capture. Environmental Science & Technology, 2019, 53, 3764-3772.	4.6	93
16	Emerging â‰ˆ800 nm Excited Lanthanideâ€Doped Upconversion Nanoparticles. Small, 2017, 13, 1602843.	5.2	92
17	Vapor-phase linker exchange of metal-organic frameworks. Science Advances, 2020, 6, eaax7270.	4.7	76
18	Illuminating Cell Signaling with Near-Infrared Light-Responsive Nanomaterials. ACS Nano, 2016, 10, 3881-3885.	7.3	71

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19	Designing Next Generation of Persistent Luminescence: Recent Advances in Uniform Persistent Luminescence Nanoparticles. Advanced Materials, 2022, 34, e2107962.	11.1	71
20	In situ remediation of mercury-contaminated soil using thiol-functionalized graphene oxide/Fe-Mn composite. Journal of Hazardous Materials, 2019, 373, 783-790.	6.5	66
21	A facile and effective method to prepare long-persistent phosphorescent nanospheres and its potential application for in vivo imaging. Journal of Materials Chemistry, 2012, 22, 24713.	6.7	62
22	Near-infrared light activated persistent luminescence nanoparticles via upconversion. Nano Research, 2017, 10, 1840-1846.	5.8	62
23	Upconverting NIR Photons for Bioimaging. Nanomaterials, 2015, 5, 2148-2168.	1.9	60
24	Confined interfacial polymerization of polyamide-graphene oxide composite membranes for water desalination. Desalination, 2018, 441, 77-86.	4.0	56
25	CRISPR/Cas9-mediated GJA8 knockout in rabbits recapitulates human congenital cataracts. Scientific Reports, 2016, 6, 22024.	1.6	54
26	Large-Fragment Deletions Induced by Cas9 Cleavage while Not in the BEs System. Molecular Therapy - Nucleic Acids, 2020, 21, 523-526.	2.3	48
27	Solâ€“gel asynchronous crystallization of ultra-selective metalâ€“organic framework membranes for gas separation. Journal of Materials Chemistry A, 2018, 6, 16333-16340.	5.2	47
28	Strong influence of surfactants on virgin hydrophobic microplastics adsorbing ionic organic pollutants. Environmental Pollution, 2020, 265, 115061.	3.7	47
29	Enhanced removal of trace mercury from surface water using a novel Mg2Al layered double hydroxide supported iron sulfide composite. Chemical Engineering Journal, 2020, 393, 124635.	6.6	43
30	Persistent luminescent nanoparticles for super-long time in vivo and in situ imaging with repeatable excitation. Journal of Luminescence, 2014, 145, 838-842.	1.5	42
31	CRISPR/Cas9-mediated mutation ofPHEXin rabbit recapitulates human X-linked hypophosphatemia (XLH). Human Molecular Genetics, 2016, 25, ddw125.	1.4	42
32	Nanoscale â€œfluorescent stoneâ€• Luminescent Calcium Fluoride Nanoparticles as Theranostic Platforms. Theranostics, 2016, 6, 2380-2393.	4.6	41
33	Coloring Afterglow Nanoparticles for Highâ€Contrast Timeâ€Gatingâ€Free Multiplex Luminescence Imaging. Advanced Materials, 2020, 32, e2003881.	11.1	40
34	Highly controllable synthesis of near-infrared persistent luminescence SiO_2/CaMgSi_2O_6 composite nanospheres for imaging in vivo. Optics Express, 2014, 22, 10509.	1.7	39
35	Metal halide perovskite quantum dots for amphiprotic bio-imaging. Coordination Chemistry Reviews, 2022, 452, 214313.	9.5	37
36	Long-lasting phosphorescence functionalization of mesoporous silica nanospheres by CaTiO3:Pr3+ for drug delivery. Microporous and Mesoporous Materials, 2013, 176, 48-54.	2.2	32

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37	Surfactant stealth effect of microplastics in traditional coagulation process observed via 3-D fluorescence imaging. Science of the Total Environment, 2020, 729, 138783.	3.9	32
38	Three-Dimensional Colloidal Controlled Growth of Coreâ€“Shell Heterostructured Persistent Luminescence Nanocrystals. Nano Letters, 2021, 21, 4903-4910.	4.5	32
39	Facile synthesis and morphology control of Zn2SiO4:Mn nanophosphors using mesoporous silica nanoparticles as templates. Journal of Luminescence, 2013, 135, 79-83.	1.5	27
40	Enhancing Rechargeable Persistent Luminescence via Organic Dye Sensitization. Angewandte Chemie - International Edition, 2021, 60, 15886-15890.	7.2	26
41	Facile defluoridation of drinking water by forming shell@fluorapatite nanoarray during boiling egg shell. Journal of Hazardous Materials, 2019, 361, 321-328.	6.5	25
42	Ultrastable sandwich graphene oxide hollow fiber membranes with confined interlayer spacing. Journal of Materials Chemistry A, 2019, 7, 13007-13011.	5.2	20
43	Efficient natural organic matter removal from water using nano-MgO coupled with microfiltration membrane separation. Science of the Total Environment, 2020, 711, 135120.	3.9	20
44	Hydrothermally Reduced Graphene Oxide Interfaces for Synthesizing Highâ€Performance Metalâ€“Organic Framework Hollow Fiber Membranes. Advanced Materials Interfaces, 2018, 5, 1800032.	1.9	19
45	Alkali resistant nanocomposite gel beads as renewable adsorbents for water phosphate recovery. Science of the Total Environment, 2019, 685, 10-18.	3.9	19
46	Truncated C-terminus of fibrillin-1 induces Marfanoid-progeroid-lipodystrophy (MPL) syndrome in rabbit. DMM Disease Models and Mechanisms, 2018, 11, .	1.2	18
47	Red long-lasting phosphorescence based on color conversion process. Optical Materials, 2013, 35, 451-455.	1.7	16
48	Chemical vapor crosslinking of graphene oxide membranes for controlling nanochannels. Environmental Science: Nano, 2020, 7, 2924-2929.	2.2	16
49	LiFePO4 microcrystals as an efficient heterogeneous Fenton-like catalyst in degradation of rhodamine 6G. Nanoscale Research Letters, 2014, 9, 276.	3.1	15
50	Phosphorus hyperaccumulation in nano-MgO using a circular recovery process based on multiple phase transitions from periclase to brucite. Science of the Total Environment, 2020, 727, 138510.	3.9	15
51	BODIPYâ€Based Nanomicelles as Nearâ€Infrared Fluorescent â€œTurnâ€Onâ€•Sensors for Biogenic Thiols. ChemNanoMat, 2016, 2, 396-399.	1.5	12
52	Multicolor persistent luminescence realized by persistent color conversion. Journal of Luminescence, 2019, 207, 53-57.	1.5	12
53	Synthesis of ultrastable euâ€complex/polystyrene composite luminescent nanoparticles using a solvent swelling method. Polymer Composites, 2011, 32, 1712-1717.	2.3	11
54	Mutations of GADD45G in rabbits cause cleft lip by the disorder of proliferation, apoptosis and epithelial-mesenchymal transition (EMT). Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2356-2367.	1.8	11

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55	CRISPR/Cas9-mediated Disruption of Fibroblast Growth Factor 5 in Rabbits Results in a Systemic Long Hair Phenotype by Prolonging Anagen. Genes, 2020, 11, 297.	1.0	11
56	The â€œbottom-upâ€•synthesis and applications of persistent luminescence nanoparticles. Science China Chemistry, 2018, 61, 757-758.	4.2	10
57	Efficient Blue to Red Afterglow Tuning in a Binary Nanocomposite Plastic Film. Nanomaterials, 2018, 8, 260.	1.9	9
58	Dual drive acute lethal toxicity of methylene blue to Daphnia magna by polystyrene microplastics and light. Science of the Total Environment, 2022, 840, 156681.	3.9	9
59	Preparation of stable luminescent poly(methyl methacrylate)â€“europium complex nanospheres and application in the detection of hydrogen peroxide with the biocatalytic growth of gold nanoparticles. Journal of Applied Polymer Science, 2013, 128, 845-850.	1.3	7
60	Two-in-one ultraviolet persistent luminescent catalyst suitable for high concentration photodegradation. Science of the Total Environment, 2020, 699, 134342.	3.9	7
61	Air-thermal processing of hierarchically porous metalâ€“organic frameworks. Nanoscale, 2020, 12, 14171-14179.	2.8	7
62	A BODIPYâ€Based Farâ€Redâ€Absorbing Fluorescent Probe for Hypochlorous Acid Imaging. ChemPhotoChem, 0, , .	1.5	6
63	Efficient fertilizer production from low phosphate water using in situ-formed vaterite/calcite calcium carbonate composite microspheres. Science of the Total Environment, 2022, 822, 153620.	3.9	4
64	Enhancing Rechargeable Persistent Luminescence via Organic Dye Sensitization. Angewandte Chemie, 2021, 133, 16022-16026.	1.6	3
65	Lanthanide-Doped Upconversion Nanoparticles for Imaging-Guided Drug Delivery and Therapy. Springer Series in Biomaterials Science and Engineering, 2016, , 139-164.	0.7	2
66	Efficient arsanilic acid removal from water via reversible phase transition in a cyclic adsorption process based on reactivated MgO. Journal of Hazardous Materials Letters, 2020, 1, 100006.	2.0	2
67	Dye Sensitization Offers a Brighter Afterglow Nanoparticle Future for inâ€…vivo Recharged Luminescent Imaging. Chemistry - A European Journal, 2022, , .	1.7	2
68	Nanomedicine: Enhancing Photodynamic Therapy through Resonance Energy Transfer Constructed Nearâ€Infrared Photosensitized Nanoparticles (Adv. Mater. 28/2017). Advanced Materials, 2017, 29, .	11.1	1
69	Upconversion Nanoparticles: Emerging â‰ˆ800 nm Excited Lanthanideâ€Doped Upconversion Nanoparticles (Small 6/2017). Small, 2017, 13, .	5.2	0
70	Afterglow Nanoparticles: Coloring Afterglow Nanoparticles for Highâ€Contrast Timeâ€Gatingâ€Free Multiplex Luminescence Imaging (Adv. Mater. 49/2020). Advanced Materials, 2020, 32, 2070371.	11.1	0
71	InnenrÃ¼cktitelbild: Enhancing Rechargeable Persistent Luminescence via Organic Dye Sensitization (Angew. Chem. 29/2021). Angewandte Chemie, 2021, 133, 16375-16375.	1.6	0