

Jie Zheng

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

10,237
citations

41
h-index

83
g-index

83
ext. papers

11,328
ext. citations

11.2
avg, IF

6.72
L-index

#	Paper	IF	Citations
81	Highly fluorescent noble-metal quantum dots. <i>Annual Review of Physical Chemistry</i> , 2007 , 58, 409-31	15.7	1092
80	DNA-templated Ag nanocluster formation. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5207-12	16.4	901
79	Highly fluorescent, water-soluble, size-tunable gold quantum dots. <i>Physical Review Letters</i> , 2004 , 93, 077402	7.4	867
78	High quantum yield blue emission from water-soluble Au ₈ nanodots. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7780-1	16.4	672
77	Clearance Pathways and Tumor Targeting of Imaging Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 6655-74	16.7	572
76	Individual water-soluble dendrimer-encapsulated silver nanodot fluorescence. <i>Journal of the American Chemical Society</i> , 2002 , 124, 13982-3	16.4	545
75	Different sized luminescent gold nanoparticles. <i>Nanoscale</i> , 2012 , 4, 4073-83	7.7	493
74	Passive tumor targeting of renal-clearable luminescent gold nanoparticles: long tumor retention and fast normal tissue clearance. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4978-81	16.4	460
73	Luminescent gold nanoparticles with efficient renal clearance. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3168-72	16.4	348
72	Antibacterial Activity of Silver Nanoparticles: Structural Effects. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701503	10.1	321
71	Glomerular barrier behaves as an atomically precise bandpass filter in a sub-nanometre regime. <i>Nature Nanotechnology</i> , 2017 , 12, 1096-1102	28.7	294
70	Luminescent Gold Nanoparticles with Mixed Valence States Generated from Dissociation of Polymeric Au (I) Thiolates. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7727-7732	3.8	253
69	Renal clearable inorganic nanoparticles: a new frontier of bionanotechnology. <i>Materials Today</i> , 2013 , 16, 477-486	21.8	228
68	Transport and interactions of nanoparticles in the kidneys. <i>Nature Reviews Materials</i> , 2018 , 3, 358-374	73.3	216
67	Rod cyclic nucleotide-gated channels have a stoichiometry of three CNGA1 subunits and one CNGB1 subunit. <i>Neuron</i> , 2002 , 36, 891-6	13.9	216
66	PEGylation and zwitterionization: pros and cons in the renal clearance and tumor targeting of near-IR-emitting gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12572-6	16.4	203
65	Luminescent gold nanoparticles with pH-dependent membrane adsorption. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11014-7	16.4	166

64	Stoichiometry and assembly of olfactory cyclic nucleotide-gated channels. <i>Neuron</i> , 2004 , 42, 411-21	13.9	161
63	Near-infrared emitting radioactive gold nanoparticles with molecular pharmacokinetics. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10118-22	16.4	155
62	Luminescent and Raman active silver nanoparticles with polycrystalline structure. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10472-3	16.4	115
61	Noninvasive Staging of Kidney Dysfunction Enabled by Renal-Clearable Luminescent Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2787-91	16.4	101
60	Ultrasmall Noble Metal Nanoparticles: Breakthroughs and Biomedical Implications. <i>Nano Today</i> , 2018 , 21, 106-125	17.9	93
59	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , 2019 , 14, 629-635	28.7	92
58	Luminescent Gold Nanoparticles with Efficient Renal Clearance. <i>Angewandte Chemie</i> , 2011 , 123, 3226-3230	16.4	90
57	Luminescent Gold Nanoparticles with Size-Independent Emission. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8894-8	16.4	89
56	Tailoring Renal Clearance and Tumor Targeting of Ultrasmall Metal Nanoparticles with Particle Density. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 16039-16043	16.4	73
55	Renal Clearable Luminescent Gold Nanoparticles: From the Bench to the Clinic. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4112-4128	16.4	68
54	High-contrast Noninvasive Imaging of Kidney Clearance Kinetics Enabled by Renal Clearable Nanofluorophores. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15434-8	16.4	68
53	Renal clearance and degradation of glutathione-coated copper nanoparticles. <i>Bioconjugate Chemistry</i> , 2015 , 26, 511-9	6.3	64
52	PEGylation and Zwitterionization: Pros and Cons in the Renal Clearance and Tumor Targeting of Near-IR-Emitting Gold Nanoparticles. <i>Angewandte Chemie</i> , 2013 , 125, 12804-12808	3.6	62
51	Glutathione-mediated biotransformation in the liver modulates nanoparticle transport. <i>Nature Nanotechnology</i> , 2019 , 14, 874-882	28.7	60
50	Dose Dependencies and Biocompatibility of Renal Clearable Gold Nanoparticles: From Mice to Non-human Primates. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 266-271	16.4	55
49	Targeting orthotopic gliomas with renal-clearable luminescent gold nanoparticles. <i>Nano Research</i> , 2017 , 10, 1366-1376	10	51
48	Patch-clamp fluorometry recording of conformational rearrangements of ion channels. <i>Science Signaling</i> , 2003 , 2003, PL7	8.8	51
47	In Vivo X-ray Imaging of Transport of Renal Clearable Gold Nanoparticles in the Kidneys. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13356-13360	16.4	49

46	Single Ag Nanoparticle Spectroelectrochemistry via Dark-Field Scattering and Fluorescence Microscopies. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 6760-6768	3.8	46
45	Tuning the In Vivo Transport of Anticancer Drugs Using Renal-Clearable Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8479-8483	16.4	45
44	Near-Infrared Emitting Radioactive Gold Nanoparticles with Molecular Pharmacokinetics. <i>Angewandte Chemie</i> , 2012 , 124, 10265-10269	3.6	45
43	Grain size effects in polycrystalline gold nanoparticles. <i>Nanoscale</i> , 2012 , 4, 4228-33	7.7	43
42	Interactions of Renal-Clearable Gold Nanoparticles with Tumor Microenvironments: Vasculature and Acidity Effects. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4314-4319	16.4	42
41	Physiological stability and renal clearance of ultrasmall zwitterionic gold nanoparticles: Ligand length matters. <i>APL Materials</i> , 2017 , 5,	5.7	42
40	Glutathione-coated luminescent gold nanoparticles: a surface ligand for minimizing serum protein adsorption. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 11829-33	9.5	41
39	Luminescence mechanisms of ultrasmall gold nanoparticles. <i>Dalton Transactions</i> , 2018 , 47, 6267-6273	4.3	40
38	Dimerization of Organic Dyes on Luminescent Gold Nanoparticles for Ratiometric pH Sensing. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2421-4	16.4	38
37	Serum protein adsorption and excretion pathways of metal nanoparticles. <i>Nanomedicine</i> , 2015 , 10, 2781-94	5.4	36
36	Noninvasive Staging of Kidney Dysfunction Enabled by Renal-Clearable Luminescent Gold Nanoparticles. <i>Angewandte Chemie</i> , 2016 , 128, 2837-2841	3.6	36
35	Renal clearable noble metal nanoparticles: photoluminescence, elimination, and biomedical applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017 , 9, e1453	9.2	33
34	Luminescent gold nanoparticles: a new class of nanoprobe for biomedical imaging. <i>Experimental Biology and Medicine</i> , 2013 , 238, 1199-209	3.7	33
33	One-step interfacial synthesis and assembly of ultrathin luminescent AuNPs/silica membranes. <i>Advanced Materials</i> , 2012 , 24, 3218-22	24	29
32	Photoacoustic Imaging of Nanoparticle Transport in the Kidneys at High Temporal Resolution. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5994-6000	16.4	28
31	High-contrast Noninvasive Imaging of Kidney Clearance Kinetics Enabled by Renal Clearable Nanofluorophores. <i>Angewandte Chemie</i> , 2015 , 127, 15654-15658	3.6	27
30	Cancer Photothermal Therapy with ICG-Conjugated Gold Nanoclusters. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1522-1528	6.3	26
29	Tailoring Renal Clearance and Tumor Targeting of Ultrasmall Metal Nanoparticles with Particle Density. <i>Angewandte Chemie</i> , 2016 , 128, 16273-16277	3.6	25

28	Luminescent Gold Nanoparticles with Size-Independent Emission. <i>Angewandte Chemie</i> , 2016 , 128, 9040-9044	9.4	24
27	Labeling Monomeric Insulin with Renal-Clearable Luminescent Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2015 , 26, 2435-41	6.3	17
26	Renal clearable nanocarriers: Overcoming the physiological barriers for precise drug delivery and clearance. <i>Journal of Controlled Release</i> , 2020 , 322, 64-80	11.7	16
25	Dimerization of Organic Dyes on Luminescent Gold Nanoparticles for Ratiometric pH Sensing. <i>Angewandte Chemie</i> , 2016 , 128, 2467-2470	3.6	16
24	In Situ Ligand-Directed Growth of Gold Nanoparticles in Biological Tissues. <i>Nano Letters</i> , 2020 , 20, 1378-1382	13.2	15
23	Effect of Hydrophobicity on Nano-Bio Interactions of Zwitterionic Luminescent Gold Nanoparticles at the Cellular Level. <i>Bioconjugate Chemistry</i> , 2018 , 29, 1841-1846	6.3	15
22	Interactions of Renal-Clearable Gold Nanoparticles with Tumor Microenvironments: Vasculature and Acidity Effects. <i>Angewandte Chemie</i> , 2017 , 129, 4378-4383	3.6	13
21	Correlating Anticancer Drug Delivery Efficiency with Vascular Permeability of Renal Clearable Versus Non-renal Clearable Nanocarriers. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12076-12080	16.4	11
20	Tailoring Kidney Transport of Organic Dyes with Low-Molecular-Weight PEGylation. <i>Bioconjugate Chemistry</i> , 2020 , 31, 241-247	6.3	11
19	Dose Dependencies and Biocompatibility of Renal Clearable Gold Nanoparticles: From Mice to Non-human Primates. <i>Angewandte Chemie</i> , 2018 , 130, 272-277	3.6	11
18	Photoacoustic Imaging of Nanoparticle Transport in the Kidneys at High Temporal Resolution. <i>Angewandte Chemie</i> , 2019 , 131, 6055-6061	3.6	10
17	In Vivo X-ray Imaging of Transport of Renal Clearable Gold Nanoparticles in the Kidneys. <i>Angewandte Chemie</i> , 2017 , 129, 13541-13545	3.6	10
16	Renal Clearable Luminescent Gold Nanoparticles: From the Bench to the Clinic. <i>Angewandte Chemie</i> , 2019 , 131, 4156-4172	3.6	9
15	Biphenyl Wrinkled Mesoporous Silica Nanoparticles for pH-Responsive Doxorubicin Drug Delivery. <i>Materials</i> , 2020 , 13,	3.5	9
14	"Size-Independent" Single-Electron Tunneling. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 4986-90	6.4	8
13	Control of occlusion of middle cerebral artery in perinatal and neonatal mice with magnetic force. <i>Molecular Brain</i> , 2018 , 11, 47	4.5	7
12	Surface-ligand effect on radiosensitization of ultrasmall luminescent gold nanoparticles. <i>Journal of Innovative Optical Health Sciences</i> , 2016 , 9, 16420031-16420038	1.2	6
11	Hyperfluorescence Imaging of Kidney Cancer Enabled by Renal Secretion Pathway Dependent Efflux Transport. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 351-359	16.4	6

10	Activity and pharmacology of homemade silver nanoparticles in refractory metastatic head and neck squamous cell cancer. <i>Head and Neck</i> , 2019 , 41, E11-E16	4.2	5
9	Salivary Excretion of Renal-Clearable Silver Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19894-19898	16.4	4
8	Surface-chemistry effect on cellular response of luminescent plasmonic silver nanoparticles. <i>Bioconjugate Chemistry</i> , 2014 , 25, 453-9	6.3	3
7	Tuning the In Vivo Transport of Anticancer Drugs Using Renal-Clearable Gold Nanoparticles. <i>Angewandte Chemie</i> , 2019 , 131, 8567	3.6	2
6	Hyperfluorescence Imaging of Kidney Cancer Enabled by Renal Secretion Pathway Dependent Efflux Transport. <i>Angewandte Chemie</i> , 2021 , 133, 355-363	3.6	2
5	Noninvasive monitoring of hepatic glutathione depletion through fluorescence imaging and blood testing. <i>Science Advances</i> , 2021 , 7,	14.3	2
4	Salivary Excretion of Renal-Clearable Silver Nanoparticles. <i>Angewandte Chemie</i> , 2020 , 132, 20066-20070	3.6	1
3	Water-soluble polycarbodiimides and their cytotoxic and antifungal properties. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 32, 2369-2386	3.5	1
2	Correlating Anticancer Drug Delivery Efficiency with Vascular Permeability of Renal Clearable Versus Non-renal Clearable Nanocarriers. <i>Angewandte Chemie</i> , 2019 , 131, 12204-12208	3.6	0
1	Oriented Luminescent Nanostructures From Single Molecules Of Conjugated Polymers. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 771, 981		