

Jie Zheng

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1699119/jie-zheng-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Hyperfluorescence Imaging of Kidney Cancer Enabled by Renal Secretion Pathway Dependent Efflux Transport. <i>Angewandte Chemie</i> , 2021 , 133, 355-363	3.6	2
80	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
79	Noninvasive monitoring of hepatic glutathione depletion through fluorescence imaging and blood testing. <i>Science Advances</i> , 2021 , 7,	14.3	2
78	Water-soluble polycarbodiimides and their cytotoxic and antifungal properties. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 32, 2369-2386	3.5	1
77	Cancer Photothermal Therapy with ICG-Conjugated Gold Nanoclusters. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1522-1528	6.3	26
76	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
75	Biphenyl Wrinkled Mesoporous Silica Nanoparticles for pH-Responsive Doxorubicin Drug Delivery. <i>Materials</i> , 2020 , 13,	3.5	9
74	Tailoring Kidney Transport of Organic Dyes with Low-Molecular-Weight PEGylation. <i>Bioconjugate Chemistry</i> , 2020 , 31, 241-247	6.3	11
73	In Situ Ligand-Directed Growth of Gold Nanoparticles in Biological Tissues. <i>Nano Letters</i> , 2020 , 20, 1378-1382	13.2	15
72	Salivary Excretion of Renal-Clearable Silver Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19894-19898	16.4	4
71	Salivary Excretion of Renal-Clearable Silver Nanoparticles. <i>Angewandte Chemie</i> , 2020 , 132, 20066-20070	3.6	1
70	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
69	Tuning the In Vivo Transport of Anticancer Drugs Using Renal-Clearable Gold Nanoparticles. <i>Angewandte Chemie</i> , 2019 , 131, 8567	3.6	2
68	Renal Clearable Luminescent Gold Nanoparticles: From the Bench to the Clinic. <i>Angewandte Chemie</i> , 2019 , 131, 4156-4172	3.6	9
67	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
66	Photoacoustic Imaging of Nanoparticle Transport in the Kidneys at High Temporal Resolution. <i>Angewandte Chemie</i> , 2019 , 131, 6055-6061	3.6	10
65	Renal Clearable Luminescent Gold Nanoparticles: From the Bench to the Clinic. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4112-4128	16.4	68

64	Glutathione-mediated biotransformation in the liver modulates nanoparticle transport. <i>Nature Nanotechnology</i> , 2019 , 14, 874-882	28.7	60
63	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
62	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , 2019 , 14, 629-635	28.7	92
61	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
60	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
59	Luminescence mechanisms of ultrasmall gold nanoparticles. <i>Dalton Transactions</i> , 2018 , 47, 6267-6273	4.3	40
58	Transport and interactions of nanoparticles in the kidneys. <i>Nature Reviews Materials</i> , 2018 , 3, 358-374	73.3	216
57	Ultrasmall Noble Metal Nanoparticles: Breakthroughs and Biomedical Implications. <i>Nano Today</i> , 2018 , 21, 106-125	17.9	93
56	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
55	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
54	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
53	Antibacterial Activity of Silver Nanoparticles: Structural Effects. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701503	10.1	321
52	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
51	Renal clearable noble metal nanoparticles: photoluminescence, elimination, and biomedical applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017 , 9, e1453	9.2	33
50	Targeting orthotopic gliomas with renal-clearable luminescent gold nanoparticles. <i>Nano Research</i> , 2017 , 10, 1366-1376	10	51
49	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
48	Interactions of Renal-Clearable Gold Nanoparticles with Tumor Microenvironments: Vasculature and Acidity Effects. <i>Angewandte Chemie</i> , 2017 , 129, 4378-4383	3.6	13
47	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

46	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
45	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
44	Physiological stability and renal clearance of ultrasmall zwitterionic gold nanoparticles: Ligand length matters. <i>APL Materials</i> , 2017 , 5,	5.7	42
43	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
42	Tailoring Renal Clearance and Tumor Targeting of Ultrasmall Metal Nanoparticles with Particle Density. <i>Angewandte Chemie</i> , 2016 , 128, 16273-16277	3.6	25
41	Luminescent Gold Nanoparticles with Size-Independent Emission. <i>Angewandte Chemie</i> , 2016 , 128, 9040-9044	16.4	24
40	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
39	Noninvasive Staging of Kidney Dysfunction Enabled by Renal-Clearable Luminescent Gold Nanoparticles. <i>Angewandte Chemie</i> , 2016 , 128, 2837-2841	3.6	36
38	Dimerization of Organic Dyes on Luminescent Gold Nanoparticles for Ratiometric pH Sensing. <i>Angewandte Chemie</i> , 2016 , 128, 2467-2470	3.6	16
37	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
36	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
35	Luminescent Gold Nanoparticles with Size-Independent Emission. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8894-8	16.4	89
34	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
33	Clearance Pathways and Tumor Targeting of Imaging Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 6655-74	16.7	572
32	Labeling Monomeric Insulin with Renal-Clearable Luminescent Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2015 , 26, 2435-41	6.3	17
31	Serum protein adsorption and excretion pathways of metal nanoparticles. <i>Nanomedicine</i> , 2015 , 10, 2781-94	5.4	36
30	"Size-Independent" Single-Electron Tunneling. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 4986-90	6.4	8
29	High-contrast Noninvasive Imaging of Kidney Clearance Kinetics Enabled by Renal Clearable Nanofluorophores. <i>Angewandte Chemie</i> , 2015 , 127, 15654-15658	3.6	27

28	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
27	Renal clearance and degradation of glutathione-coated copper nanoparticles. <i>Bioconjugate Chemistry</i> , 2015 , 26, 511-9	6.3	64
26	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
25	Surface-chemistry effect on cellular response of luminescent plasmonic silver nanoparticles. <i>Bioconjugate Chemistry</i> , 2014 , 25, 453-9	6.3	3
24	Luminescent gold nanoparticles: a new class of nanoprobe for biomedical imaging. <i>Experimental Biology and Medicine</i> , 2013 , 238, 1199-209	3.7	33
23	Renal clearable inorganic nanoparticles: a new frontier of bionanotechnology. <i>Materials Today</i> , 2013 , 16, 477-486	21.8	228
22	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
21	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
20	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
19	Near-Infrared Emitting Radioactive Gold Nanoparticles with Molecular Pharmacokinetics. <i>Angewandte Chemie</i> , 2012 , 124, 10265-10269	3.6	45
18	Near-infrared emitting radioactive gold nanoparticles with molecular pharmacokinetics. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10118-22	16.4	155
17	One-step interfacial synthesis and assembly of ultrathin luminescent AuNPs/silica membranes. <i>Advanced Materials</i> , 2012 , 24, 3218-22	24	29
16	Different sized luminescent gold nanoparticles. <i>Nanoscale</i> , 2012 , 4, 4073-83	7.7	493
15	Grain size effects in polycrystalline gold nanoparticles. <i>Nanoscale</i> , 2012 , 4, 4228-33	7.7	43
14	Luminescent gold nanoparticles with pH-dependent membrane adsorption. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11014-7	16.4	166
13	Luminescent Gold Nanoparticles with Efficient Renal Clearance. <i>Angewandte Chemie</i> , 2011 , 123, 3226-3230	33	90
12	Luminescent gold nanoparticles with efficient renal clearance. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3168-72	16.4	348
11	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

10	Luminescent and Raman active silver nanoparticles with polycrystalline structure. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10472-3	16.4	115
9	Highly fluorescent noble-metal quantum dots. <i>Annual Review of Physical Chemistry</i> , 2007 , 58, 409-31	15.7	1092
8	DNA-templated Ag nanocluster formation. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5207-12	16.4	901
7	Highly fluorescent, water-soluble, size-tunable gold quantum dots. <i>Physical Review Letters</i> , 2004 , 93, 077402	7.4	867
6	Stoichiometry and assembly of olfactory cyclic nucleotide-gated channels. <i>Neuron</i> , 2004 , 42, 411-21	13.9	161
5	High quantum yield blue emission from water-soluble Au8 nanodots. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7780-1	16.4	672
4	Patch-clamp fluorometry recording of conformational rearrangements of ion channels. <i>Science Signaling</i> , 2003 , 2003, PL7	8.8	51
3	Oriented Luminescent Nanostructures From Single Molecules Of Conjugated Polymers. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 771, 981		
2	Individual water-soluble dendrimer-encapsulated silver nanodot fluorescence. <i>Journal of the American Chemical Society</i> , 2002 , 124, 13982-3	16.4	545
1	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