

# Jia Zhang

## List of Publications by Year in descending order

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52  
papers

3,302  
citations

172457

29  
h-index

168389

53  
g-index

55  
all docs

55  
docs citations

55  
times ranked

5096  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon dots: large-scale synthesis, sensing and bioimaging. <i>Materials Today</i> , 2016, 19, 382-393.	14.2	575
2	Biotemplated synthesis of three-dimensional porous MnO/C-N nanocomposites from renewable rapeseed pollen: An anode material for lithium-ion batteries. <i>Nano Research</i> , 2017, 10, 1-11.	10.4	208
3	Intracellular Self-Assembly of Taxol Nanoparticles for Overcoming Multidrug Resistance. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9700-9704.	13.8	184
4	Scale-Up Synthesis of Fragrant Nitrogen-Doped Carbon Dots from Bee Pollens for Bioimaging and Catalysis. <i>Advanced Science</i> , 2015, 2, 1500002.	11.2	164
5	Furin-mediated intracellular self-assembly of olsalazine nanoparticles for enhanced magnetic resonance imaging and tumour therapy. <i>Nature Materials</i> , 2019, 18, 1376-1383.	27.5	164
6	Casp3/7-Instructed Intracellular Aggregation of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Enhances T <sub>2</sub> MR Imaging of Tumor Apoptosis. <i>Nano Letters</i> , 2016, 16, 2686-2691.	9.1	162
7	Colorimetric Iodide Recognition and Sensing by Citrate-Stabilized Core/Shell Cu@Au Nanoparticles. <i>Analytical Chemistry</i> , 2011, 83, 3911-3917.	6.5	140
8	Controlled Intracellular Self-Assembly and Disassembly of <sup>19</sup> F Nanoparticles for MR Imaging of Caspase 3/7 in Zebrafish. <i>ACS Nano</i> , 2015, 9, 761-768.	14.6	108
9	One-Pot Gram-Scale Synthesis of Nitrogen and Sulfur Embedded Organic Dots with Distinctive Fluorescence Behaviors in Free and Aggregated States. <i>Chemistry of Materials</i> , 2016, 28, 4367-4374.	6.7	103
10	Intracellular Self-Assembly and Disassembly of <sup>19</sup> F Nanoparticles Confer Respective <sup>19</sup> F and <sup>19</sup> F NMR/MRI Signals for Legumain Activity Detection in Zebrafish. <i>ACS Nano</i> , 2015, 9, 5117-5124.	14.6	95
11	Colorimetric determination of hypochlorite with unmodified gold nanoparticles through the oxidation of a stabilizer thiol compound. <i>Analyst</i> , 2012, 137, 2806.	3.5	85
12	A Cu@Au Nanoparticle-Based Colorimetric Competition Assay for the Detection of Sulfide Anion and Cysteine. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2928-2931.	8.0	81
13	Highly photoluminescent silicon nanocrystals for rapid, label-free and recyclable detection of mercuric ions. <i>Nanoscale</i> , 2014, 6, 4096.	5.6	78
14	Microwave-assisted synthesis of photoluminescent glutathione-capped Au/Ag nanoclusters: A unique sensor-on-a-nanoparticle for metal ions, anions, and small molecules. <i>Nano Research</i> , 2015, 8, 2329-2339.	10.4	75
15	Highly specific colorimetric recognition and sensing of sulfide with glutathione-modified gold nanoparticle probe based on an anion-for-molecule ligand exchange reaction. <i>Analyst</i> , 2012, 137, 1556.	3.5	69
16	Detection of Glutathione <i>in Vitro</i> and in Cells by the Controlled Self-Assembly of Nanorings. <i>Analytical Chemistry</i> , 2013, 85, 1280-1284.	6.5	67
17	Preparation of Prussian blue@Pt nanoparticles/carbon nanotubes composite material for efficient determination of H <sub>2</sub> O <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , 2009, 143, 373-380.	7.8	66
18	Simple and selective colorimetric detection of hypochlorite based on anti-aggregation of gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2013, 184, 189-195.	7.8	56

#	ARTICLE	IF	CITATIONS
19	A microwave-facilitated rapid synthesis of gold nanoclusters with tunable optical properties for sensing ions and fluorescent ink. <i>Chemical Communications</i> , 2015, 51, 10539-10542.	4.1	56
20	Use of fluorescent gold nanoclusters for the construction of a NAND logic gate for nitrite. <i>Chemical Communications</i> , 2013, 49, 2691.	4.1	53
21	A simple yet effective chromogenic reagent for the rapid estimation of bromate and hypochlorite in drinking water. <i>Analyst, The</i> , 2013, 138, 434-437.	3.5	50
22	Specifically colorimetric recognition of calcium, strontium, and barium ions using 2-mercaptosuccinic acid-functionalized gold nanoparticles and its use in reliable detection of calcium ion in water. <i>Analyst, The</i> , 2011, 136, 3865.	3.5	48
23	A selective sensor for cyanide ion (CN <sup>-</sup> ) based on the inner filter effect of metal nanoparticles with photoluminescent carbon dots as the fluorophore. <i>Science Bulletin</i> , 2015, 60, 785-791.	9.0	48
24	Intracellular Disassembly of Self-Quenched Nanoparticles Turns NIR Fluorescence on for Sensing Furin Activity in Cells and in Tumors. <i>Analytical Chemistry</i> , 2015, 87, 6180-6185.	6.5	45
25	Carbon Dots as a New Class of Diamagnetic Chemical Exchange Saturation Transfer (diaCEST) MRI Contrast Agents. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9871-9875.	13.8	45
26	Core/Shell Cu@Ag Nanoparticle: A Versatile Platform for Colorimetric Visualization of Inorganic Anions. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 4092-4100.	8.0	41
27	Colorimetric recognition and sensing of nitrite with unmodified gold nanoparticles based on a specific diazo reaction with phenylenediamine. <i>Analyst, The</i> , 2012, 137, 3286.	3.5	36
28	Oligomeric nanoparticles functionalized with NIR-emitting CdTe/CdS QDs and folate for tumor-targeted imaging. <i>Biomaterials</i> , 2014, 35, 7881-7886.	11.4	35
29	Furin-Mediated Self-Assembly of Olsalazine Nanoparticles for Targeted Raman Imaging of Tumors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3923-3927.	13.8	32
30	Role of Tris on the colorimetric recognition of anions with melamine-modified gold nanoparticle probe and the visual detection of sulfite and hypochlorite. <i>Analyst, The</i> , 2012, 137, 3437.	3.5	31
31	CEST MRI of sepsis-induced acute kidney injury. <i>NMR in Biomedicine</i> , 2018, 31, e3942.	2.8	28
32	Selective Detection of Ferric Ions by Blue-Green Photoluminescent Nitrogen-Doped Phenol Formaldehyde Resin Polymer. <i>Small</i> , 2014, 10, 3662-3666.	10.0	27
33	Determination of nitrite and glucose in water and human urine with light-up chromogenic response based on the expeditious oxidation of 3,3',5,5'-tetramethylbenzidine by peroxyxynitrous acid. <i>Analyst, The</i> , 2013, 138, 2398.	3.5	26
34	Colorimetric recognition and sensing of thiocyanate with a gold nanoparticle probe and its application to the determination of thiocyanate in human urine samples. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1971-1981.	3.7	25
35	Development of Zinc-Specific iCEST MRI as an Imaging Biomarker for Prostate Cancer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15512-15517.	13.8	22
36	In vivo tracking of unlabelled mesenchymal stromal cells by mannose-weighted chemical exchange saturation transfer MRI. <i>Nature Biomedical Engineering</i> , 2022, 6, 658-666.	22.5	18

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37	Fluorescent switch for fast and selective detection of mercury (II) ions in vitro and in living cells and a simple device for its removal. <i>Talanta</i> , 2014, 125, 204-209.	5.5	16
38	Bridging cells of three colors with two bio-orthogonal click reactions. <i>Chemical Science</i> , 2015, 6, 6425-6431.	7.4	15
39	Tuning Gold Nanoparticle Aggregation through the Inhibition of Acid Phosphatase Bioactivity: A Plasmonic Sensor for Light-Dependent Visual Detection of Arsenate ( $As^{V}$ ). <i>ChemPlusChem</i> , 2016, 81, 1147-1151.	2.8	15
40	Synthesis and characterization of Prussian blue@platinum nanoparticle hybrids from a mixture solution of platinum nanocatalyst and ferric ferricyanide. <i>Journal of Colloid and Interface Science</i> , 2009, 338, 319-324.	9.4	13
41	Sulfite recognition and sensing using Au nanoparticles as colorimetric probe: a judicious combination between anionic binding sites and plasmonic nanoparticles. <i>Analytical Methods</i> , 2012, 4, 1616.	2.7	13
42	Phenols as Diamagnetic $T_2$ -Exchange Magnetic Resonance Imaging Contrast Agents. <i>Chemistry - A European Journal</i> , 2018, 24, 1259-1263.	3.3	13
43	Detecting acid phosphatase enzymatic activity with phenol as a chemical exchange saturation transfer magnetic resonance imaging contrast agent (PhenolCEST MRI). <i>Biosensors and Bioelectronics</i> , 2019, 141, 111442.	10.1	13
44	The mechanism for the nonlinear optical properties in $La_9Na_3B_8O_{27}$ , $La_2Na_3B_3O_9$ and $La_2CaB_{10}O_{19}$ : <i>ab initio</i> studies. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 485501.	1.8	7
45	Triazoles as $T_2$ -Exchange Magnetic Resonance Imaging Contrast Agents for the Detection of Nitrilase Activity. <i>Chemistry - A European Journal</i> , 2018, 24, 15013-15018.	3.3	6
46	A one-dimensional network from the self-assembly of gold nanoparticles by a necklace-like polyelectrolyte template mediated by metallic ion coordination. <i>Nanotechnology</i> , 2009, 20, 295603.	2.6	4
47	N-Aryl Amides as Chemical Exchange Saturation Transfer Magnetic Resonance Imaging Contrast Agents. <i>Chemistry - A European Journal</i> , 2020, 26, 11705-11709.	3.3	4
48	Furin-Mediated Self-Assembly of Olsalazine Nanoparticles for Targeted Raman Imaging of Tumors. <i>Angewandte Chemie</i> , 2021, 133, 3969-3973.	2.0	4
49	Titelbild: Furin-Mediated Self-Assembly of Olsalazine Nanoparticles for Targeted Raman Imaging of Tumors ( <i>Angew. Chem.</i> 8/2021). <i>Angewandte Chemie</i> , 2021, 133, 3869-3869.	2.0	2
50	Development of Zinc-Specific iCEST MRI as an Imaging Biomarker for Prostate Cancer. <i>Angewandte Chemie</i> , 2019, 131, 15658-15663.	2.0	1
51	Carbon Dots as a New Class of Diamagnetic Chemical Exchange Saturation Transfer (diaCEST) MRI Contrast Agents. <i>Angewandte Chemie</i> , 2019, 131, 9976-9980.	2.0	1
52	InnenrÃ¼cktitelbild: Carbon Dots as a New Class of Diamagnetic Chemical Exchange Saturation Transfer (diaCEST) MRI Contrast Agents ( <i>Angew. Chem.</i> 29/2019). <i>Angewandte Chemie</i> , 2019, 131, 10113-10113.	2.0	0