

# Julia Xiaojun Zhao

## List of Publications by Citations

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50  
papers

1,430  
citations

17  
h-index

37  
g-index

53  
ext. papers

1,717  
ext. citations

5.4  
avg, IF

4.9  
L-index

#	Paper	IF	Citations
50	Fabrication of highly fluorescent graphene quantum dots using L-glutamic acid for / imaging and sensing. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 4676-4684	7.1	319
49	Aptamers: active targeting ligands for cancer diagnosis and therapy. <i>Theranostics</i> , <b>2015</b> , 5, 322-44	12.1	178
48	Near-Infrared Fluorescent Materials for Sensing of Biological Targets. <i>Sensors</i> , <b>2008</b> , 8, 3082-3105	3.8	157
47	Recent development of silica nanoparticles as delivery vectors for cancer imaging and therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 297-312	6	116
46	Development of gold nanoparticle-enhanced fluorescent nanocomposites. <i>Langmuir</i> , <b>2013</b> , 29, 1584-91	4	58
45	Integrated microfluidic systems with sample preparation and nucleic acid amplification. <i>Lab on A Chip</i> , <b>2019</b> , 19, 2769-2785	7.2	55
44	Graphene oxide as an efficient antimicrobial nanomaterial for eradicating multi-drug resistant bacteria in vitro and in vivo. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 157, 1-9	6	49
43	Engineering of SiO <sub>2</sub> -Au-SiO <sub>2</sub> sandwich nanoaggregates using a building block: single, double, and triple cores for enhancement of near infrared fluorescence. <i>Langmuir</i> , <b>2008</b> , 24, 7492-9	4	41
42	One-Pot Synthesis of Reduced Graphene Oxide/Metal (Oxide) Composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37962-37971	9.5	39
41	Study of Fluorescence Quenching Ability of Graphene Oxide with a Layer of Rigid and Tunable Silica Spacer. <i>Langmuir</i> , <b>2018</b> , 34, 603-611	4	36
40	Thermal air oxidation changes surface and adsorptive properties of black carbon (char/biochar). <i>Science of the Total Environment</i> , <b>2018</b> , 618, 276-283	10.2	35
39	Enhanced synergetic antibacterial activity by a reduce graphene oxide/Ag nanocomposite through the photothermal effect. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 185, 110616	6	34
38	Surfactant-Augmented Functional Silica Nanoparticle Based Nanofluid for Enhanced Oil Recovery at High Temperature and Salinity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 45763-45775	9.5	29
37	Developments and Applications of Electrogenenerated Chemiluminescence Sensors Based on Micro- and Nanomaterials. <i>Sensors</i> , <b>2008</b> , 8, 5942-5960	3.8	25
36	Experimental and Numerical Studies of Spontaneous Imbibition with Different Boundary Conditions: Case Studies of Middle Bakken and Berea Cores. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 5135-5146	4.1	24
35	NitrogenSulfur-Doped Graphene Quantum Dots with Metal Ion-Resistance for Bioimaging. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 6858-6865	5.6	23
34	Polymer nanoparticles based nano-fluid for enhanced oil recovery at harsh formation conditions. <i>Fuel</i> , <b>2020</b> , 267, 117251	7.1	20

33	Increased Nonionic Surfactant Efficiency in Oil Recovery by Integrating with Hydrophilic Silica Nanoparticle. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 8522-8529	4.1	16
32	Comparative Study on the Static Adsorption Behavior of Zwitterionic Surfactants on Minerals in Middle Bakken Formation. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 1007-1015	4.1	16
31	Reproducibly synthesize gold nanorods and maintain their stability. <i>RSC Advances</i> , <b>2013</b> , 3, 10909	3.7	14
30	Reduced Graphene Oxide/Mesoporous Silica Nanocarriers for pH-Triggered Drug Release and Photothermal Therapy.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 2577-2587	4.1	14
29	Molecular Simulation Study on the Volume Swelling and the Viscosity Reduction of n-Alkane/CO2 Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> ,	3.9	12
28	Enhanced Oil Recovery in High Salinity and Elevated Temperature Conditions with a Zwitterionic Surfactant and Silica Nanoparticles Acting in Synergy. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 2893-2902	4.1	12
27	Effects of silica nanoparticles on endolysosome function in primary cultured neurons. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2019</b> , 97, 297-305	2.4	12
26	A graphene oxide-based fluorescence assay for the sensitive detection of DNA exonuclease enzymatic activity. <i>Analyst, The</i> , <b>2019</b> , 144, 6231-6239	5	10
25	Effect of Amorphous Silica Nanomatrix on Kinetics of Metalation of Encapsulated Porphyrin Molecules. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 19046-19054	3.8	10
24	One-pot synthesis of graphene quantum dots using humic acid and its application for copper (II) ion detection. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 4991-5005	4.3	10
23	Biocompatible G-Quadruplex/Hemin for Enhancing Antibacterial Activity of HO.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 1019-1027	4.1	10
22	Synthesis of Highly Near-Infrared Fluorescent Graphene Quantum Dots Using Biomass-Derived Materials for Cell Imaging and Metal Ion Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 43952-43962	9.5	8
21	Static Adsorption of Surfactants on Bakken Rock Surfaces in High Temperature, High Salinity Conditions <b>2019</b> ,		7
20	Aggregation-based determination of mercury(II) using DNA-modified single gold nanoparticle, T-Hg(II)-T interaction, and single-particle ICP-MS. <i>Mikrochimica Acta</i> , <b>2019</b> , 187, 56	5.8	7
19	Nanozymes-Hitting the Biosensing "Target". <i>Sensors</i> , <b>2021</b> , 21,	3.8	7
18	Development of silicon quantum dots based nano-fluid for enhanced oil recovery in tight Bakken cores. <i>Fuel</i> , <b>2020</b> , 277, 118203	7.1	6
17	Nanocatalysts in Direct Methanol Fuel Cell Applications. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2008</b> , 38, 394-399		5
16	Graphene Oxide-Based Biocompatible 3D Mesh with a Tunable Porosity and Tensility for Cell Culture. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 1505-1517	5.5	3

15	Analytical Applications of Block Copolymer-Derived Nanoporous Membranes <b>2010</b> , 341-358	3
14	Nanostructured Materials for Selective Collection of Trace-Level Metals from Aqueous Systems <b>2010</b> , 191-221	3
13	Experimental Study of Surfactant-Assisted Oil Recovery in the Middle Bakken Cores <b>2019</b> ,	2
12	Nanomaterials in the Environment: the Good, the Bad, and the Ugly <b>2010</b> , 255-282	2
11	Single Molecule and Single event Nanoelectrochemical Analysis <b>2010</b> , 319-339	1
10	Molecularly Imprinted Polymer Submicron Particles Tailored for Extraction of Trace Estrogens in Water <b>2010</b> , 133-159	1
9	Trace Detection of High Explosives with Nanomaterials <b>2010</b> , 161-189	1
8	Label-free fluorescence assay coupled exonuclease reaction and SYBR Green I for the detection of T4 polynucleotide kinase activity. <i>Analytical Methods</i> , <b>2020</b> , 12, 807-812	3.2 0
7	Chemical and Biological Sensing by Electron Transport in Nanomaterials <b>2010</b> , 89-110	0
6	Synthesis and Analysis Applications of TiO <sub>2</sub> -Based Nanomaterials <b>2010</b> , 223-253	0
5	Photoswitchable Nanoprobes for Biological Imaging Applications <b>2010</b> , 1-30	
4	Electroanalytical Measurements at Electrodes Modified with Metal Nanoparticles <b>2010</b> , 283-317	
3	Applications of Semiconductor Quantum Dots in Chemical and Biological Analysis <b>2010</b> , 31-60	
2	Nanomaterial-Based Electrochemical Biosensors and Bioassays <b>2010</b> , 61-88	
1	Micro- and Nanofluidic Systems for Trace Analysis of Biological Samples <b>2010</b> , 111-131	