

Julia Xiaojun Zhao

List of Publications by Year in Descending Order

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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.

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	One-pot synthesis of graphene quantum dots using humic acid and its application for copper (II) ion detection. <i>Journal of Materials Science</i> , 2021 , 56, 4991-5005	4.3	10
49	Nanozymes-Hitting the Biosensing "Target". <i>Sensors</i> , 2021 , 21,	3.8	7
48	Synthesis of Highly Near-Infrared Fluorescent Graphene Quantum Dots Using Biomass-Derived Materials for Cell Imaging and Metal Ion Detection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 43952-43962	9.5	8
47	Development of silicon quantum dots based nano-fluid for enhanced oil recovery in tight Bakken cores. <i>Fuel</i> , 2020 , 277, 118203	7.1	6
46	Polymer nanoparticles based nano-fluid for enhanced oil recovery at harsh formation conditions. <i>Fuel</i> , 2020 , 267, 117251	7.1	20
45	Enhanced Oil Recovery in High Salinity and Elevated Temperature Conditions with a Zwitterionic Surfactant and Silica Nanoparticles Acting in Synergy. <i>Energy & Fuels</i> , 2020 , 34, 2893-2902	4.1	12
44	Label-free fluorescence assay coupled exonuclease reaction and SYBR Green I for the detection of T4 polynucleotide kinase activity. <i>Analytical Methods</i> , 2020 , 12, 807-812	3.2	0
43	Reduced Graphene Oxide/Mesoporous Silica Nanocarriers for pH-Triggered Drug Release and Photothermal Therapy.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2577-2587	4.1	14
42	Enhanced synergetic antibacterial activity by a reduce graphene oxide/Ag nanocomposite through the photothermal effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 185, 110616	6	34
41	A graphene oxide-based fluorescence assay for the sensitive detection of DNA exonuclease enzymatic activity. <i>Analyst, The</i> , 2019 , 144, 6231-6239	5	10
40	Molecular Simulation Study on the Volume Swelling and the Viscosity Reduction of n-Alkane/CO2 Systems. <i>Industrial & Engineering Chemistry Research</i> , 2019 ,	3.9	12
39	Static Adsorption of Surfactants on Bakken Rock Surfaces in High Temperature, High Salinity Conditions 2019 ,		7
38	Increased Nonionic Surfactant Efficiency in Oil Recovery by Integrating with Hydrophilic Silica Nanoparticle. <i>Energy & Fuels</i> , 2019 , 33, 8522-8529	4.1	16
37	Integrated microfluidic systems with sample preparation and nucleic acid amplification. <i>Lab on A Chip</i> , 2019 , 19, 2769-2785	7.2	55
36	Experimental and Numerical Studies of Spontaneous Imbibition with Different Boundary Conditions: Case Studies of Middle Bakken and Berea Cores. <i>Energy & Fuels</i> , 2019 , 33, 5135-5146	4.1	24
35	NitrogenSulfur-Doped Graphene Quantum Dots with Metal Ion-Resistance for Bioimaging. <i>ACS Applied Nano Materials</i> , 2019 , 2, 6858-6865	5.6	23
34	Experimental Study of Surfactant-Assisted Oil Recovery in the Middle Bakken Cores 2019 ,		2

33	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> , 2019 , 187, 56	5.8	7
32	Surfactant-Augmented Functional Silica Nanoparticle Based Nanofluid for Enhanced Oil Recovery at High Temperature and Salinity. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45763-45775	9.5	29
31	Comparative Study on the Static Adsorption Behavior of Zwitterionic Surfactants on Minerals in Middle Bakken Formation. <i>Energy & Fuels</i> , 2019 , 33, 1007-1015	4.1	16
30	Effects of silica nanoparticles on endolysosome function in primary cultured neurons. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019 , 97, 297-305	2.4	12
29	Study of Fluorescence Quenching Ability of Graphene Oxide with a Layer of Rigid and Tunable Silica Spacer. <i>Langmuir</i> , 2018 , 34, 603-611	4	36
28	Graphene Oxide-Based Biocompatible 3D Mesh with a Tunable Porosity and Tensility for Cell Culture. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1505-1517	5.5	3
27	Thermal air oxidation changes surface and adsorptive properties of black carbon (char/biochar). <i>Science of the Total Environment</i> , 2018 , 618, 276-283	10.2	35
26	Biocompatible G-Quadruplex/Hemin for Enhancing Antibacterial Activity of HO.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1019-1027	4.1	10
25	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> , 2017 , 157, 1-9	6	49
24	One-Pot Synthesis of Reduced Graphene Oxide/Metal (Oxide) Composites. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37962-37971	9.5	39
23	Aptamers: active targeting ligands for cancer diagnosis and therapy. <i>Theranostics</i> , 2015 , 5, 322-44	12.1	178
22	Recent development of silica nanoparticles as delivery vectors for cancer imaging and therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 297-312	6	116
21	Reproducibly synthesize gold nanorods and maintain their stability. <i>RSC Advances</i> , 2013 , 3, 10909	3.7	14
20	Development of gold nanoparticle-enhanced fluorescent nanocomposites. <i>Langmuir</i> , 2013 , 29, 1584-91	4	58
19	Fabrication of highly fluorescent graphene quantum dots using L-glutamic acid for / imaging and sensing. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4676-4684	7.1	319
18	Photoswitchable Nanoprobes for Biological Imaging Applications 2010 , 1-30		
17	Nanomaterials in the Environment: the Good, the Bad, and the Ugly 2010 , 255-282		2
16	Electroanalytical Measurements at Electrodes Modified with Metal Nanoparticles 2010 , 283-317		

15	Single Molecule and Single event Nanoelectrochemical Analysis 2010 , 319-339		1
14	Analytical Applications of Block Copolymer-Derived Nanoporous Membranes 2010 , 341-358		3
13	Applications of Semiconductor Quantum Dots in Chemical and Biological Analysis 2010 , 31-60		
12	Nanomaterial-Based Electrochemical Biosensors and Bioassays 2010 , 61-88		
11	Chemical and Biological Sensing by Electron Transport in Nanomaterials 2010 , 89-110		0
10	Micro- and Nanofluidic Systems for Trace Analysis of Biological Samples 2010 , 111-131		
9	Molecularly Imprinted Polymer Submicron Particles Tailored for Extraction of Trace Estrogens in Water 2010 , 133-159		1
8	Trace Detection of High Explosives with Nanomaterials 2010 , 161-189		1
7	Nanostructured Materials for Selective Collection of Trace-Level Metals from Aqueous Systems 2010 , 191-221		3
6	Synthesis and Analysis Applications of TiO ₂ -Based Nanomaterials 2010 , 223-253		0
5	Effect of Amorphous Silica Nanomatrix on Kinetics of Metalation of Encapsulated Porphyrin Molecules. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 19046-19054	3.8	10
4	Near-Infrared Fluorescent Materials for Sensing of Biological Targets. <i>Sensors</i> , 2008 , 8, 3082-3105	3.8	157
3	Engineering of SiO ₂ -Au-SiO ₂ sandwich nanoaggregates using a building block: single, double, and triple cores for enhancement of near infrared fluorescence. <i>Langmuir</i> , 2008 , 24, 7492-9	4	41
2	Nanocatalysts in Direct Methanol Fuel Cell Applications. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2008 , 38, 394-399		5
1	Developments and Applications of Electrogenerated Chemiluminescence Sensors Based on Micro- and Nanomaterials. <i>Sensors</i> , 2008 , 8, 5942-5960	3.8	25