

Julia Xiaojun Zhao

List of Publications by Year in descending order

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37
papers

2,003
citations

257101

24
h-index

360668

35
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docs citations

53
times ranked

3702
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of highly fluorescent graphene quantum dots using L-glutamic acid for in vitro/in vivo imaging and sensing. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4676.	2.7	385
2	Aptamers: Active Targeting Ligands for Cancer Diagnosis and Therapy. <i>Theranostics</i> , 2015, 5, 322-344.	4.6	212
3	Near-Infrared Fluorescent Materials for Sensing of Biological Targets. <i>Sensors</i> , 2008, 8, 3082-3105.	2.1	173
4	Recent development of silica nanoparticles as delivery vectors for cancer imaging and therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 297-312.	1.7	133
5	Integrated microfluidic systems with sample preparation and nucleic acid amplification. <i>Lab on A Chip</i> , 2019, 19, 2769-2785.	3.1	84
6	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.	2.5	75
7	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.	4.0	71
8	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.	2.5	67
9	Development of Gold Nanoparticle-Enhanced Fluorescent Nanocomposites. <i>Langmuir</i> , 2013, 29, 1584-1591.	1.6	61
10	Study of Fluorescence Quenching Ability of Graphene Oxide with a Layer of Rigid and Tunable Silica Spacer. <i>Langmuir</i> , 2018, 34, 603-611.	1.6	59
11	One-Pot Synthesis of Reduced Graphene Oxide/Metal (Oxide) Composites. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37962-37971.	4.0	51
12	Thermal air oxidation changes surface and adsorptive properties of black carbon (char/biochar). <i>Science of the Total Environment</i> , 2018, 618, 276-283.	3.9	51
13	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, 7492-7499.	1.6	43
14	Nitrogen-Sulfur-Doped Graphene Quantum Dots with Metal Ion-Resistance for Bioimaging. <i>ACS Applied Nano Materials</i> , 2019, 2, 6858-6865.	2.4	40
15	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.	2.5	39
16	Polymer nanoparticles based nano-fluid for enhanced oil recovery at harsh formation conditions. <i>Fuel</i> , 2020, 267, 117251.	3.4	37
17	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.	1.7	37
18	Synthesis of Highly Near-Infrared Fluorescent Graphene Quantum Dots Using Biomass-Derived Materials for <i>In Vitro</i> Cell Imaging and Metal Ion Detection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43952-43962.	4.0	34

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19	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.	2.5	31
20	Increased Nonionic Surfactant Efficiency in Oil Recovery by Integrating with Hydrophilic Silica Nanoparticle. <i>Energy & Fuels</i> , 2019, 33, 8522-8529.	2.5	28
21	Nanozymes "Hitting the Biosensing Target". <i>Sensors</i> , 2021, 21, 5201.	2.1	27
22	Developments and Applications of Electrogenated Chemiluminescence Sensors Based on Micro- and Nanomaterials. <i>Sensors</i> , 2008, 8, 5942-5960.	2.1	26
23	Molecular Simulation Study on the Volume Swelling and the Viscosity Reduction of <i>n</i> -Alkane/CO ₂ Systems. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8871-8877.	1.8	26
24	Reduced Graphene Oxide/Mesoporous Silica Nanocarriers for pH-Triggered Drug Release and Photothermal Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 2577-2587.	2.3	25
25	Development of silicon quantum dots based nano-fluid for enhanced oil recovery in tight Bakken cores. <i>Fuel</i> , 2020, 277, 118203.	3.4	24
26	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> , 2020, 187, 56.	2.5	22
27	Reproducibly synthesize gold nanorods and maintain their stability. <i>RSC Advances</i> , 2013, 3, 10909.	1.7	21
28	Comparative Study on the Static Adsorption Behavior of Zwitterionic Surfactants on Minerals in Middle Bakken Formation. <i>Energy & Fuels</i> , 2019, 33, 1007-1015.	2.5	21
29	A graphene oxide-based fluorescence assay for the sensitive detection of DNA exonuclease enzymatic activity. <i>Analyst</i> , 2019, 144, 6231-6239.	1.7	18
30	Effects of silica nanoparticles on endolysosome function in primary cultured neurons. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 297-305.	0.7	17
31	Biocompatible G-Quadruplex/Hemin for Enhancing Antibacterial Activity of H ₂ O ₂ . <i>ACS Applied Bio Materials</i> , 2018, 1, 1019-1027.	2.3	12
32	Effect of Amorphous Silica Nanomatrix on Kinetics of Metalation of Encapsulated Porphyrin Molecules. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19046-19054.	1.5	11
33	Static Adsorption of Surfactants on Bakken Rock Surfaces in High Temperature, High Salinity Conditions. , 2019, , .		9
34	Nanocatalysts in Direct Methanol Fuel Cell Applications. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2008, 38, 394-399.	0.6	6
35	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.	1.3	4
36	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.	2.6	3

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37	Experimental Study of Surfactant-Assisted Oil Recovery in the Middle Bakken Cores. , 2019, , .		2