

Julia Xiaojun Zhao

List of Publications by Year in descending order

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papers

2,003
citations

257450

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361022

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docs citations

53
times ranked

3702
citing authors

#	ARTICLE	IF	CITATIONS
1	One-pot synthesis of graphene quantum dots using humic acid and its application for copper (II) ion detection. Journal of Materials Science, 2021, 56, 4991-5005.	3.7	37
2	Nanozymesâ€”Hitting the Biosensing â€œTargetâ€” Sensors, 2021, 21, 5201.	3.8	27
3	Synthesis of Highly Near-Infrared Fluorescent Graphene Quantum Dots Using Biomass-Derived Materials for <i>In Vitro</i> Cell Imaging and Metal Ion Detection. ACS Applied Materials & Interfaces, 2021, 13, 43952-43962.	8.0	34
4	Enhanced synergetic antibacterial activity by a reduce graphene oxide/Ag nanocomposite through the photothermal effect. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110616.	5.0	67
5	Aggregation-based determination of mercury(II) using DNA-modified single gold nanoparticle, T-Hg(II)-T interaction, and single-particle ICP-MS. Mikrochimica Acta, 2020, 187, 56.	5.0	22
6	Development of silicon quantum dots based nano-fluid for enhanced oil recovery in tight Bakken cores. Fuel, 2020, 277, 118203.	6.4	24
7	Polymer nanoparticles based nano-fluid for enhanced oil recovery at harsh formation conditions. Fuel, 2020, 267, 117251.	6.4	37
8	Enhanced Oil Recovery in High Salinity and Elevated Temperature Conditions with a Zwitterionic Surfactant and Silica Nanoparticles Acting in Synergy. Energy & Fuels, 2020, 34, 2893-2902.	5.1	31
9	Label-free fluorescence assay coupled exonuclease reaction and SYBR Green I for the detection of T4 polynucleotide kinase activity. Analytical Methods, 2020, 12, 807-812.	2.7	4
10	Reduced Graphene Oxide/Mesoporous Silica Nanocarriers for pH-Triggered Drug Release and Photothermal Therapy. ACS Applied Bio Materials, 2020, 3, 2577-2587.	4.6	25
11	Increased Nonionic Surfactant Efficiency in Oil Recovery by Integrating with Hydrophilic Silica Nanoparticle. Energy & Fuels, 2019, 33, 8522-8529.	5.1	28
12	Integrated microfluidic systems with sample preparation and nucleic acid amplification. Lab on A Chip, 2019, 19, 2769-2785.	6.0	84
13	Experimental and Numerical Studies of Spontaneous Imbibition with Different Boundary Conditions: Case Studies of Middle Bakken and Berea Cores. Energy & Fuels, 2019, 33, 5135-5146.	5.1	39
14	Nitrogenâ€”Sulfur-Doped Graphene Quantum Dots with Metal Ion-Resistance for Bioimaging. ACS Applied Nano Materials, 2019, 2, 6858-6865.	5.0	40
15	Experimental Study of Surfactant-Assisted Oil Recovery in the Middle Bakken Cores. , 2019, , .		2
16	A graphene oxide-based fluorescence assay for the sensitive detection of DNA exonuclease enzymatic activity. Analyst, The, 2019, 144, 6231-6239.	3.5	18
17	Molecular Simulation Study on the Volume Swelling and the Viscosity Reduction of <i>n</i>-Alkane/CO₂ Systems. Industrial & Engineering Chemistry Research, 2019, 58, 8871-8877.	3.7	26
18	Static Adsorption of Surfactants on Bakken Rock Surfaces in High Temperature, High Salinity Conditions. , 2019, , .		9

#	ARTICLE	IF	CITATIONS
19	Surfactant-Augmented Functional Silica Nanoparticle Based Nanofluid for Enhanced Oil Recovery at High Temperature and Salinity. ACS Applied Materials & Interfaces, 2019, 11, 45763-45775.	8.0	71
20	Comparative Study on the Static Adsorption Behavior of Zwitterionic Surfactants on Minerals in Middle Bakken Formation. Energy & Fuels, 2019, 33, 1007-1015.	5.1	21
21	Effects of silica nanoparticles on endolysosome function in primary cultured neurons. Canadian Journal of Physiology and Pharmacology, 2019, 97, 297-305.	1.4	17
22	Study of Fluorescence Quenching Ability of Graphene Oxide with a Layer of Rigid and Tunable Silica Spacer. Langmuir, 2018, 34, 603-611.	3.5	59
23	Graphene Oxide-Based Biocompatible 3D Mesh with a Tunable Porosity and Tensility for Cell Culture. ACS Biomaterials Science and Engineering, 2018, 4, 1505-1517.	5.2	3
24	Thermal air oxidation changes surface and adsorptive properties of black carbon (char/biochar). Science of the Total Environment, 2018, 618, 276-283.	8.0	51
25	Biocompatible G-Quadruplex/Hemin for Enhancing Antibacterial Activity of $H_{2}O_{2}$. ACS Applied Bio Materials, 2018, 1, 1019-1027.	4.6	12
26	Graphene oxide as an efficient antimicrobial nanomaterial for eradicating multi-drug resistant bacteria in vitro and in vivo. Colloids and Surfaces B: Biointerfaces, 2017, 157, 1-9.	5.0	75
27	One-Pot Synthesis of Reduced Graphene Oxide/Metal (Oxide) Composites. ACS Applied Materials & Interfaces, 2017, 9, 37962-37971.	8.0	51
28	Aptamers: Active Targeting Ligands for Cancer Diagnosis and Therapy. Theranostics, 2015, 5, 322-344.	10.0	212
29	Recent development of silica nanoparticles as delivery vectors for cancer imaging and therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 297-312.	3.3	133
30	Reproducibly synthesize gold nanorods and maintain their stability. RSC Advances, 2013, 3, 10909.	3.6	21
31	Development of Gold Nanoparticle-Enhanced Fluorescent Nanocomposites. Langmuir, 2013, 29, 1584-1591.	3.5	61
32	Fabrication of highly fluorescent graphene quantum dots using l-glutamic acid for in vitro/in vivo imaging and sensing. Journal of Materials Chemistry C, 2013, 1, 4676.	5.5	385
33	Effect of Amorphous Silica Nanomatrix on Kinetics of Metalation of Encapsulated Porphyrin Molecules. Journal of Physical Chemistry C, 2009, 113, 19046-19054.	3.1	11
34	Near-Infrared Fluorescent Materials for Sensing of Biological Targets. Sensors, 2008, 8, 3082-3105.	3.8	173
35	Engineering of $SiO_{2}/Au/SiO_{2}$ Sandwich Nanoaggregates Using a Building Block: Single, Double, and Triple Cores for Enhancement of Near Infrared Fluorescence. Langmuir, 2008, 24, 7492-7499.	3.5	43
36	Nanocatalysts in Direct Methanol Fuel Cell Applications. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2008, 38, 394-399.	0.6	6

#	ARTICLE	IF	CITATIONS
37	Developments and Applications of Electrogenerated Chemiluminescence Sensors Based on Micro- and Nanomaterials. Sensors, 2008, 8, 5942-5960.	3.8	26