

Qingye Lu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4386554/publications.pdf>

Version: 2024-02-01

65
papers

2,518
citations

185998

28
h-index

197535

49
g-index

67
all docs

67
docs citations

67
times ranked

2944
citing authors

#	ARTICLE	IF	CITATIONS
1	Adhesion of mussel foot proteins to different substrate surfaces. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120759.	1.5	258
2	Nanomechanics of Cationic Interactions in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3944-3948.	7.2	163
3	Simple and Low-Cost Preparation Method for Highly Dispersed PtRu/C Catalysts. <i>Chemistry of Materials</i> , 2003, 15, 3552-3557.	3.2	143
4	Adhesion mechanism in a DOPA-deficient foot protein from green mussels. <i>Soft Matter</i> , 2012, 8, 5640.	1.2	116
5	Anodic Activation of PtRu/C Catalysts for Methanol Oxidation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1715-1722.	1.2	110
6	Molecular interactions of mussel protective coating protein, mcfp-1, from <i>Mytilus californianus</i> . <i>Biomaterials</i> , 2012, 33, 1903-1911.	5.7	90
7	Phosphonium-enhanced chitosan for Cr(VI) adsorption in wastewater treatment. <i>Carbohydrate Polymers</i> , 2019, 211, 249-256.	5.1	82
8	The effects of biofilm on the transport of stabilized zerovalent iron nanoparticles in saturated porous media. <i>Water Research</i> , 2012, 46, 975-985.	5.3	80
9	Effect of solution salinity on settling of mineral tailings by polymer flocculants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 430, 29-38.	2.3	77
10	Probing Molecular Interactions of Asphaltenes in Heptol Using a Surface Forces Apparatus: Implications on Stability of Water-in-Oil Emulsions. <i>Langmuir</i> , 2016, 32, 4886-4895.	1.6	77
11	Adsorption of mercaptobenzoheterocyclic compounds on sulfide mineral surfaces: A density functional theory study of structure-reactivity relations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 409, 1-9.	2.3	64
12	Dual Physically Crosslinked Hydrogels Incorporating Hydrophobic Interactions with Promising Repairability and Ultrahigh Elongation. <i>Advanced Functional Materials</i> , 2021, 31, 2008187.	7.8	64
13	Understanding the molecular interactions of lipopolysaccharides during <i>E. coli</i> initial adhesion with a surface forces apparatus. <i>Soft Matter</i> , 2011, 7, 9366.	1.2	62
14	Mussel foot protein-1 (mcfp-1) interaction with titania surfaces. <i>Journal of Materials Chemistry</i> , 2012, 22, 15530.	6.7	61
15	Plasmon-Assisted Photothermal Catalysis of Low-Pressure CO ₂ Hydrogenation to Methanol over Pd/ZnO Catalyst. <i>ChemCatChem</i> , 2019, 11, 1598-1601.	1.8	58
16	Effect of polycarboxylate ether comb-type polymer on viscosity and interfacial properties of kaolinite clay suspensions. <i>Journal of Colloid and Interface Science</i> , 2012, 378, 222-231.	5.0	54
17	Ultrastretchable, Adhesive, and Antibacterial Hydrogel with Robust Spinnability for Manufacturing Strong Hydrogel Micro/Nanofibers. <i>Small</i> , 2021, 17, e2103521.	5.2	52
18	Probing the intermolecular interaction mechanisms between humic acid and different substrates with implications for its adsorption and removal in water treatment. <i>Water Research</i> , 2020, 176, 115766.	5.3	50

#	ARTICLE	IF	CITATIONS
19	Probing Molecular Interactions of an Asphaltene Model Compound in Organic Solvents Using a Surface Forces Apparatus (SFA). <i>Energy & Fuels</i> , 2012, 26, 2591-2599.	2.5	46
20	Comparative studies on the surface/interface properties and aggregation behavior of mono-rhamnolipid and di-rhamnolipid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 593-601.	2.5	43
21	Nanocomposites of graphene oxide, Ag nanoparticles, and magnetic ferrite nanoparticles for elemental mercury (Hg ⁰) removal. <i>RSC Advances</i> , 2015, 5, 15634-15640.	1.7	39
22	An In Situ Procedure for the Preparation of Zeolitic Imidazolate Framework@ Polyacrylamide Hydrogel for Adsorption of Aqueous Pollutants. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801895.	1.9	39
23	Molecular Interactions of a Polyaromatic Surfactant C5Pe in Aqueous Solutions Studied by a Surface Forces Apparatus. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11187-11196.	1.2	38
24	Porous clusters of metal-organic framework coated stainless steel mesh for highly efficient oil/water separation. <i>Separation and Purification Technology</i> , 2020, 238, 116454.	3.9	34
25	Pattern Recognition on the Structure~Activity Relationship of Nano Pt~Ru Catalysts:~ Methodology and Preliminary Demonstration. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8873-8879.	1.2	31
26	Understanding of physicochemical properties and formation mechanisms of fine particular matter generated from Canadian coal combustion. <i>Fuel</i> , 2016, 165, 224-234.	3.4	29
27	Dendrimer functionalized nanocrystalline cellulose for Cu(II) removal. <i>Cellulose</i> , 2020, 27, 2173-2187.	2.4	29
28	Cu/g-C3N4 modified ZnO/Al2O3 catalyst: methanol yield improvement of CO2 hydrogenation. <i>Catalysis Communications</i> , 2017, 100, 81-84.	1.6	28
29	2D and 3D Metal~Organic Framework at the Oil/Water Interface: A Case Study of Copper Benzenedicarboxylate. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801139.	1.9	25
30	A lightweight, mechanically strong, and shapeable copper-benzenedicarboxylate/cellulose aerogel for dye degradation and antibacterial applications. <i>Separation and Purification Technology</i> , 2022, 283, 120229.	3.9	25
31	Polydopamine-anchored polyether on Fe3O4 as magnetic recyclable nanoparticle-demulsifiers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 617, 126142.	2.3	24
32	Improving the Thermal Stability of Hydrophobic Associative Polymer Aqueous Solution Using a ~Triple-Protection~ Strategy. <i>Polymers</i> , 2019, 11, 949.	2.0	23
33	Electrochemical investigation of the interactions of organic and inorganic depressants on basal and edge planes of molybdenite. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 350-361.	5.0	22
34	Recycling papermill waste lignin into recyclable and flowerlike composites for effective oil/water separation. <i>Composites Part B: Engineering</i> , 2021, 216, 108884.	5.9	20
35	Electrokinetic study of calcium carbonate and magnesium hydroxide particles in lime softening. <i>Water Research</i> , 2020, 186, 116415.	5.3	19
36	Probing molecular interaction mechanisms of organic fouling on polyamide membrane using a surface forces apparatus: Implication for wastewater treatment. <i>Science of the Total Environment</i> , 2018, 622-623, 644-654.	3.9	16

#	ARTICLE	IF	CITATIONS
37	The impact of cellulose nanocrystals on the aggregation and initial adhesion of <i>Pseudomonas fluorescens</i> bacteria. <i>Soft Matter</i> , 2014, 10, 8923-8931.	1.2	15
38	Bitumen and asphaltene derived nanoporous carbon and nickel oxide/carbon composites for supercapacitor electrodes. <i>Scientific Reports</i> , 2022, 12, 4095.	1.6	15
39	Aqueous condition-tolerated high internal phase oil-in-water Pickering emulsion as building block for engineering 3D functional materials. <i>Chemical Engineering Journal</i> , 2022, 446, 137162.	6.6	15
40	Interaction Mechanism of Different Surfactants with Casein: A Perspective on Bulk and Interfacial Phase Behavior. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6336-6349.	2.4	14
41	Buckling Effect of Sole Zeolitic Imidazolate Framework-8 Nanoparticles Adsorbed at the Water/Oil Interface. <i>Langmuir</i> , 2020, 36, 2322-2329.	1.6	13
42	Macroscopic visual detection of phoxim by calix[4]arene-based host-guest chemistry. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 264-270.	4.0	12
43	Polyamidoamine dendrimer functionalized cellulose nanocrystals for CO ₂ capture. <i>Cellulose</i> , 2021, 28, 4241-4251.	2.4	12
44	Probing molecular interactions of PEGylated chitosan in aqueous solutions using a surface force apparatus. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20571-20581.	1.3	11
45	Siloxane-epoxy composite coatings for enhanced resistance to large temperature variations. <i>Progress in Organic Coatings</i> , 2020, 139, 105457.	1.9	11
46	Lipase-Immobilized Cellulosic Capsules with Water Absorbency for Enhanced Pickering Interfacial Biocatalysis. <i>Langmuir</i> , 2021, 37, 810-819.	1.6	11
47	Adhesion-Shielding based synthesis of interfacially active magnetic Janus nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1741-1753.	5.0	11
48	Agricultural Wastes. <i>Water Environment Research</i> , 2011, 83, 1439-1466.	1.3	9
49	Highly Efficient Metal-Free Visible Light Driven Photocatalyst: Graphene Oxide/Polythiophene Composite. <i>ChemistrySelect</i> , 2017, 2, 5578-5586.	0.7	9
50	Phosphorus recovery from synthetic biosolid digestion supernatant through lignin-induced struvite precipitation. <i>Journal of Cleaner Production</i> , 2020, 276, 124235.	4.6	9
51	Effect of MgO Slaking on Silica Removal during Warm Lime Softening of SAGD Produced Water. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 1839-1849.	1.8	9
52	Anticorrosion behavior of organic offshore coating systems in UV, salt spray and low temperature alternation simulated Arctic offshore environment. <i>Materials Today Communications</i> , 2021, 28, 102545.	0.9	6
53	Effect of phosphate and ammonium concentrations, total suspended solids and alkalinity on lignin-induced struvite precipitation. <i>Scientific Reports</i> , 2022, 12, 2901.	1.6	6
54	CdS-based artificial leaf for photocatalytic hydrogen evolution and simultaneous degradation of biological wastewater. <i>Chemosphere</i> , 2022, 301, 134713.	4.2	6

#	ARTICLE	IF	CITATIONS
55	Novel Ti-Coordination Polydopamine Nanocomposite with a Combination of Adsorption, Reduction, and Ion Exchange for Rapid Cr(VI) Removal. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 9717-9724.	1.8	6
56	Impact of influent deviations on polymer coagulant dose in warm lime softening of synthetic SAGD produced water. <i>Water Research</i> , 2021, 200, 117202.	5.3	5
57	Probing molecular interactions between humic acid and surface-grafted polyacrylamide using quartz crystal microbalance with dissipation and atomic force microscopy: implications for environmental remediation. <i>Environmental Chemistry</i> , 2018, 15, 336.	0.7	4
58	Probing the Self-Assembly and Nonlinear Friction Behavior of Confined Gold Nano-Particles. <i>Langmuir</i> , 2019, 35, 15701-15709.	1.6	4
59	Anticorrosion behavior of superhydrophobic particles reinforced epoxy coatings for long-time in the high salinity liquid. <i>Progress in Organic Coatings</i> , 2020, 147, 105867.	1.9	4
60	Surfactant-free cellulose filaments stabilized oil in water emulsions. <i>Cellulose</i> , 2022, 29, 985-1001.	2.4	3
61	Mussel Adhesives. , 2015, , 49-84.		2
62	Metal-Organic Frameworks: An In Situ Procedure for the Preparation of Zeolitic Imidazolate Frameworks and Polyacrylamide Hydrogel for Adsorption of Aqueous Pollutants (<i>Adv. Mater. Interfaces</i>)	0.1	0
63	Frontispiece: In Vivo Residue-Specific Dopa-Incorporated Engineered Mussel Biogel with Enhanced Adhesion and Water Resistance. <i>Angewandte Chemie - International Edition</i> , 2014, 53, n/a-n/a.	7.2	0
64	Frontispiz: In Vivo Residue-Specific Dopa-Incorporated Engineered Mussel Biogel with Enhanced Adhesion and Water Resistance. <i>Angewandte Chemie</i> , 2014, 126, n/a-n/a.	1.6	0
65	Metal-Organic Frameworks: 2D and 3D Metal-Organic Framework at the Oil/Water Interface: A Case Study of Copper Benzenedicarboxylate (<i>Adv. Mater. Interfaces</i> 2/2019). <i>Advanced Materials Interfaces</i> , 2019, 6, 1970015.	1.9	0