

Xiaogang Zhang

List of Publications by Year in descending order

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17
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#	ARTICLE	IF	CITATIONS
1	Three Birds with One Stone: Preventive Protection of Paper Materials by ZnO-PHMB and UV-531 Composite Systems. <i>Langmuir</i> , 2021, 37, 8445-8454.	3.5	5
2	Self-Shaping Microemulsion Gels for Cultural Relic Cleaning. <i>Langmuir</i> , 2021, 37, 11474-11483.	3.5	4
3	Biomass-derived Î³-valerolactone: efficient dissolution and accelerated alkaline hydrolysis of polyethylene terephthalate. <i>Green Chemistry</i> , 2021, 23, 4065-4073.	9.0	30
4	Effect of pH or Metal Ions on the Oil/Water Interfacial Behavior of Humic Acid Based Surfactant. <i>Langmuir</i> , 2020, 36, 10838-10845.	3.5	9
5	Microstructural model in COMSOL packages with simulation to aging behavior of paper materials. <i>Cellulose</i> , 2018, 25, 1539-1553.	4.9	5
6	Enzymatic hydrolysis of p-nitrophenyl butyrate in water-in-ionic liquid microemulsion. <i>Ferroelectrics</i> , 2018, 528, 122-130.	0.6	5
7	Controllable Switching of Enzyme Activity by Poly(<i>N</i> -isopropylacrylamide)-Based Microgels Through Mineralization of Calcium Carbonate in High Pressure CO ₂ . <i>Clean - Soil, Air, Water</i> , 2016, 44, 189-194.	1.1	5
8	Supercritical Fluid-Driven Polymer Phase Separation for Microlens with Tunable Dimension and Curvature. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8849-8858.	8.0	20
9	Enzymatic hydrolysis of p-nitrophenyl butyrate in CO ₂ -based micelle systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1324-1329.	3.2	1
10	High pressure CO ₂ -controlled reactors: enzymatic chiral resolution in emulsions. <i>RSC Advances</i> , 2014, 4, 24083-24088.	3.6	7
11	High Pressure CO ₂ -Controlled Reactor: Suzuki Reaction in CO ₂ -Based Micelle Stabilized by Nonionic Methylated Branched Hydrocarbon Surfactants. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 14158-14165.	3.7	3
12	Immobilization of lipase with alginate hydrogel beads and the lipase-catalyzed kinetic resolution of 1-phenyl ethanol. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	7
13	The Model of Nano-Scale Particle Removal in CO ₂ -Based Micelle Cleaning Solutions. <i>Integrated Ferroelectrics</i> , 2012, 138, 50-57.	0.7	1
14	The model of nano-scale copper particles removal from silicon surface in high pressure CO ₂ +H ₂ O and CO ₂ +H ₂ O+IPA cleaning solutions. , 2010, , .		0
15	Electrophoresis of a Charge-Regulated Soft Sphere in a Charged Cylindrical Pore. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1621-1631.	2.6	25
16	Diffusiophoresis of a Soft Spherical Particle in a Spherical Cavity. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8646-8656.	2.6	33
17	Supercritical CO ₂ -based solvents in next generation microelectronics processing. <i>Science Bulletin</i> , 2007, 52, 27-33.	1.7	7