

Lei Lei

List of Publications by Year in descending order

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papers

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32
all docs

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docs citations

32
times ranked

803
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-Responsive Polymers. ACS Macro Letters, 2017, 6, 515-522.	4.8	81
2	Highly Porous Poly(high internal phase emulsion) Membranes with “Open-Cell” Structure and CO ₂ -Switchable Wettability Used for Controlled Oil/Water Separation. Langmuir, 2017, 33, 11936-11944.	3.5	72
3	High internal phase emulsion with double emulsion morphology and their templated porous polymer systems. Journal of Colloid and Interface Science, 2016, 483, 232-240.	9.4	56
4	Oxygen and Carbon Dioxide Dual Gas-Responsive and Switchable Microgels Prepared from Emulsion Copolymerization of Fluoro- and Amino-Containing Monomers. Langmuir, 2015, 31, 2196-2201.	3.5	47
5	Transparent omniphobic polyurethane coatings containing partially acetylated β -cyclodextrin as the polyol. Chemical Engineering Journal, 2020, 380, 122554.	12.7	46
6	Biomass Lignin Stabilized Anti-UV High Internal Phase Emulsions: Preparation, Rheology, and Application As Carrier Materials. ACS Sustainable Chemistry and Engineering, 2019, 7, 810-818.	6.7	40
7	Crystal Growth of Metal-Organic Framework-5 around Cellulose-Based Fibers Having a Necklace Morphology. ACS Omega, 2019, 4, 169-175.	3.5	35
8	Oxygen and Carbon Dioxide Dual Gas-Switchable Thermoresponsive Homopolymers. ACS Macro Letters, 2016, 5, 828-832.	4.8	34
9	CO ₂ -Breathing Induced Reversible Activation of Mechanophore within Microgels. Macromolecular Rapid Communications, 2016, 37, 957-962.	3.9	33
10	Hydrogen-Bonding Reinforced Injectable Hydrogels: Application As a Thermo-Triggered Drug Controlled-Release System. ACS Applied Polymer Materials, 2020, 2, 1587-1596.	4.4	31
11	CO ₂ -Switchable Membranes Prepared by Immobilization of CO ₂ -Breathing Microgels. ACS Applied Materials & Interfaces, 2017, 9, 44146-44151.	8.0	28
12	Development of anti-photo and anti-thermal high internal phase emulsions stabilized by biomass lignin as a nutraceutical delivery system. Food and Function, 2019, 10, 355-365.	4.6	26
13	PDMS-Infused Poly(High Internal Phase Emulsion) Templates for the Construction of Slippery Liquid-Infused Porous Surfaces with Self-cleaning and Self-repairing Properties. Langmuir, 2019, 35, 8276-8284.	3.5	26
14	Neutral fabrication of UV-blocking and antioxidation lignin-stabilized high internal phase emulsion encapsulates for high efficient antibacterium of natural curcumin. Food and Function, 2019, 10, 3543-3555.	4.6	25
15	High internal phase emulsions stabilized with carboxymethylated lignin for encapsulation and protection of environmental sensitive natural extract. International Journal of Biological Macromolecules, 2020, 158, 430-442.	7.5	25
16	Toughness modification of cationic UV-cured cycloaliphatic epoxy resin by hydroxyl polymers with different structures. European Polymer Journal, 2020, 127, 109594.	5.4	23
17	Fire-Resistant Flexible Polyurethane Foams via Nature-Inspired Chitosan-Expandable Graphite Coatings. ACS Applied Polymer Materials, 2021, 3, 4079-4087.	4.4	21
18	Bio-based omniphobic polyurethane coating providing anti-smudge and anti-corrosion protection. Progress in Organic Coatings, 2020, 148, 105844.	3.9	19

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19	Breathable Microgel Colloidosome: Gas-Switchable Microcapsules with O ₂ and CO ₂ Tunable Shell Permeability for Hierarchical Size-Selective Control Release. Langmuir, 2017, 33, 6108-6115.	3.5	19
20	Oxygen-switchable thermo-responsive random copolymers. Polymer Chemistry, 2016, 7, 5456-5462.	3.9	16
21	Development of Novel Materials from Polymerization of Pickering Emulsion Templates. Advances in Polymer Science, 2017, , 101-119.	0.8	14
22	CO ₂ /N ₂ -Switchable Thermoresponsive Ionic Liquid Copolymer. Macromolecules, 2017, 50, 8378-8389.	4.8	11
23	Anticorrosion reinforcement of waterborne polyacrylate coating with nano-TiO ₂ loaded graphene. Journal of Applied Polymer Science, 2020, 137, 48733.	2.6	7
24	One-pot polyvinyl chloride preparation utilizing polyacrylate latex with tertiary amine groups for improved thermal stability, toughness, and reduced reactor scaling. Polymer Testing, 2020, 90, 106691.	4.8	7
25	Covalently immobilization of modified graphene oxide with waterborne hydroxyl acrylic resin for anticorrosive reinforcement of its coatings. Progress in Organic Coatings, 2022, 163, 106685.	3.9	7
26	Micron-dimensional sulfonated graphene sheets co-stabilized emulsion polymerization to prepare acrylic latex used for reinforced anticorrosion coatings. Progress in Organic Coatings, 2022, 165, 106762.	3.9	7
27	Wet or dry multifunctional coating prepared by visible light polymerisation with fire retardant, thermal protective, and antimicrobial properties. Cellulose, 2021, 28, 8821-8840.	4.9	6
28	PNIPAM-immobilized gold-nanoparticles with colorimetric temperature-sensing and reusable temperature-switchable catalysis properties. Polymer Chemistry, 2021, 12, 6903-6913.	3.9	6
29	Synthesis and Self-Assembly of Block Copolymers Containing Temperature Sensitive and Degradable Chain Segments. Journal of Nanoscience and Nanotechnology, 2018, 18, 3266-3273.	0.9	4
30	Acrylate pressure-sensitive adhesives tape as cover membrane for preventing ultrasound probes from cross-infections. Surfaces and Interfaces, 2021, 27, 101503.	3.0	4
31	Long-range-ordered, hexagonally packed nanoporous membranes from degradable block-containing diblock copolymer film templates. Journal of Applied Polymer Science, 2014, 131, .	2.6	3
32	Preparation and Self-Assembling of PLA-b-PNIPAM-b-PS Triblock Copolymer Thin Films. Journal of Nanoscience and Nanotechnology, 2021, 21, 2174-2184.	0.9	1