

Peiwen Liu

List of Publications by Year in descending order

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times ranked

670
citing authors

#	ARTICLE	IF	CITATIONS
1	Dialdehyde Cellulose as a Bio-Based Robust Adhesive for Wood Bonding. ACS Sustainable Chemistry and Engineering, 2019, 7, 10452-10459.	3.2	86
2	Water-in-oil Pickering emulsions stabilized by stearylated microcrystalline cellulose. Journal of Colloid and Interface Science, 2018, 513, 629-637.	5.0	63
3	Formation of Uniform Multi-Stimuli-Responsive and Multiblock Hydrogels from Dialdehyde Cellulose. ACS Sustainable Chemistry and Engineering, 2017, 5, 5313-5319.	3.2	52
4	Biosynthetic graphene enhanced extracellular electron transfer for high performance anode in microbial fuel cell. Chemosphere, 2019, 232, 396-402.	4.2	51
5	Structure Selectivity of Alkaline Periodate Oxidation on Lignocellulose for Facile Isolation of Cellulose Nanocrystals. Angewandte Chemie - International Edition, 2020, 59, 3218-3225.	7.2	50
6	Facile fabrication of pH-responsive nanoparticles from cellulose derivatives via Schiff base formation for controlled release. Carbohydrate Polymers, 2019, 216, 113-118.	5.1	48
7	pH-responsive polymeric nanoparticles with tunable sizes for targeted drug delivery. RSC Advances, 2020, 10, 4860-4868.	1.7	25
8	Interfacial Synthesis of Cellulose-Derived Solvent-Responsive Nanoparticles via Schiff Base Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 16595-16603.	3.2	24
9	Efficient, Self-Terminating Isolation of Cellulose Nanocrystals through Periodate Oxidation in Pickering Emulsions. ChemSusChem, 2018, 11, 3581-3585.	3.6	20
10	Robust, Easy-Cleaning Superhydrophobic/Superoleophilic Copper Meshes for Oil/Water Separation under Harsh Conditions. Advanced Materials Interfaces, 2019, 6, 1900158.	1.9	20
11	Unexpected selective alkaline periodate oxidation of chitin for the isolation of chitin nanocrystals. Green Chemistry, 2021, 23, 745-751.	4.6	19
12	Selective Isolation Methods for Cellulose and Chitin Nanocrystals. ChemPlusChem, 2020, 85, 1081-1088.	1.3	16
13	Structure Selectivity of Alkaline Periodate Oxidation on Lignocellulose for Facile Isolation of Cellulose Nanocrystals. Angewandte Chemie, 2020, 132, 3244-3251.	1.6	10
14	Biomimetic confined self-assembly of chitin nanocrystals. Nano Today, 2022, 43, 101420.	6.2	7
15	Preparation of hydrogels with uniform and gradient chemical structures using dialdehyde cellulose and diamine by aerating ammonia gas. Frontiers of Chemical Science and Engineering, 2018, 12, 383-389.	2.3	6
16	Direct Preparation of Nanocelluloses of Tunable Lengths from Native Wood Via Alkaline Periodate Oxidation. Advanced Sustainable Systems, 2021, 5, 2100058.	2.7	6