

# Peiwen Liu

## List of Publications by Year in descending order

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16  
papers

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758635

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940134

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docs citations

16  
times ranked

670  
citing authors

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