

# Xingye An

## List of Publications by Year in descending order

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36  
papers

1,699  
citations

304743

22  
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345221

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all docs

36  
docs citations

36  
times ranked

2073  
citing authors

#	ARTICLE	IF	CITATIONS
1	Houttuynia-derived nitrogen-doped hierarchically porous carbon for high-performance supercapacitor. Carbon, 2020, 161, 62-70.	10.3	282
2	Robust Guar Gum/Cellulose Nanofibrils Multilayer Films with Good Barrier Properties. ACS Applied Materials & Interfaces, 2017, 9, 5477-5485.	8.0	122
3	Preparation and characterization of high yield cellulose nanocrystals (CNC) derived from ball mill pretreatment and maleic acid hydrolysis. Carbohydrate Polymers, 2020, 234, 115942.	10.2	120
4	Cellulose nanocrystal/hexadecyltrimethylammonium bromide/silver nanoparticle composite as a catalyst for reduction of 4-nitrophenol. Carbohydrate Polymers, 2017, 156, 253-258.	10.2	101
5	TEMPO-oxidized cellulose nanofibers (TOCNs) as a green reinforcement for waterborne polyurethane coating (WPU) on wood. Carbohydrate Polymers, 2016, 151, 326-334.	10.2	96
6	Cellulose, hemicellulose, lignin, and their derivatives as multi-components of bio-based feedstocks for 3D printing. Carbohydrate Polymers, 2020, 250, 116881.	10.2	76
7	Synthesis of nano-fibrillated cellulose/magnetite/titanium dioxide (NFC@Fe <sub>3</sub> O <sub>4</sub> @TNP) nanocomposites and their application in the photocatalytic hydrogen generation. Applied Catalysis B: Environmental, 2017, 206, 53-64.	20.2	72
8	Oil/water interfaces of guar gum-based biopolymer hydrogels and application to their separation. Carbohydrate Polymers, 2017, 169, 9-15.	10.2	63
9	Cellulose nanofiber (CNF) as a versatile filler for the preparation of bamboo pulp based tissue paper handsheets. Cellulose, 2019, 26, 2613-2624.	4.9	60
10	Chitin nanofibers as versatile bio-templates of zeolitic imidazolate frameworks for N-doped hierarchically porous carbon electrodes for supercapacitor. Carbohydrate Polymers, 2021, 251, 117107.	10.2	58
11	Nanofibrillated Cellulose (NFC) as a Pore Size Mediator in the Preparation of Thermally Resistant Separators for Lithium Ion Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 4838-4844.	6.7	55
12	Improving dispersion stability of hydrochloric acid hydrolyzed cellulose nano-crystals. Carbohydrate Polymers, 2019, 222, 115037.	10.2	47
13	Preparation of cellulose nano-crystals through a sequential process of cellulase pretreatment and acid hydrolysis. Cellulose, 2016, 23, 2409-2420.	4.9	45
14	Nanolignin filled conductive hydrogel with improved mechanical, anti-freezing, UV-shielding and transparent properties for strain sensing application. International Journal of Biological Macromolecules, 2022, 205, 442-451.	7.5	43
15	Silver nanoparticles-containing dual-function hydrogels based on a guar gum-sodium borohydride system. Scientific Reports, 2016, 6, 36497.	3.3	40
16	Aqueous Dispersion of Carbon Fibers and Expanded Graphite Stabilized from the Addition of Cellulose Nanocrystals to Produce Highly Conductive Cellulose Composites. ACS Sustainable Chemistry and Engineering, 2018, 6, 3291-3298.	6.7	33
17	Nano-fibrillated cellulose (NFC) as versatile carriers of TiO <sub>2</sub> nanoparticles (TNPs) for photocatalytic hydrogen generation. RSC Advances, 2016, 6, 89457-89466.	3.6	32
18	Chitosan-based Polymer Matrix for Pharmaceutical Excipients and Drug Delivery. Current Medicinal Chemistry, 2019, 26, 2502-2513.	2.4	32

#	ARTICLE	IF	CITATIONS
19	A thin and flexible solid electrolyte templated by controllable porous nanocomposites toward extremely high performance all-solid-state lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 425, 130632.	12.7	30
20	A three dimensional interconnected Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> framework composite solid electrolyte utilizing lignosulfonate/ cellulose nanofiber bio-template for high performance lithium ion batteries. <i>Journal of Power Sources</i> , 2020, 477, 228752.	7.8	26
21	Chitin nano-crystals/sodium lignosulfonate/Ag NPs nanocomposites: a potent and green catalyst for efficient removal of organic contaminants. <i>Cellulose</i> , 2020, 27, 5071-5087.	4.9	26
22	Anchoring 20(R)-Ginsenoside Rg3 onto Cellulose Nanocrystals To Increase the Hydroxyl Radical Scavenging Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7507-7513.	6.7	24
23	Improving the flexibility of bamboo mechanical pulp fibers for production of high soft tissue handsheets. <i>Industrial Crops and Products</i> , 2020, 150, 112410.	5.2	24
24	Synthesis of metal-organic-frameworks on polydopamine modified cellulose nanofibril hydrogels: constructing versatile vehicles for hydrophobic drug delivery. <i>Cellulose</i> , 2022, 29, 379-393.	4.9	24
25	Polydopamine-Modified Cellulose Nanofibril Composite Aerogel: An Effective Dye Adsorbent. <i>Langmuir</i> , 2022, 38, 4164-4174.	3.5	21
26	Facile preparation of lignosulfonate induced silver nanoparticles for high efficient removal of organic contaminants in wastewater. <i>Industrial Crops and Products</i> , 2021, 169, 113644.	5.2	19
27	Cationic cellulose nano-fibers (CCNF) as versatile flocculants of wood pulp for high wet web performance. <i>Carbohydrate Polymers</i> , 2020, 229, 115434.	10.2	18
28	Study on the wet-web strength and pressability of paper sheet during the press process with the addition of nano-fibrillated cellulose (NFC). <i>Carbohydrate Polymers</i> , 2019, 210, 332-338.	10.2	17
29	Using cationic nanofibrillated cellulose to increase the precipitated calcium carbonate retention and physical properties during reconstituted tobacco sheet preparation. <i>Industrial Crops and Products</i> , 2019, 130, 592-597.	5.2	16
30	Ball milling pretreatment facilitating $\alpha$ -amylase hydrolysis for production of starch-based bio-latex with high performance. <i>Carbohydrate Polymers</i> , 2020, 242, 116384.	10.2	16
31	Isolation and utilization of tobacco-based cellulose nanofiber (TCNF) for high performance reconstructed tobacco sheet (RTS). <i>Carbohydrate Polymers</i> , 2021, 261, 117865.	10.2	15
32	Construction of nanocellulose-based composite hydrogel with a double packing structure as an intelligent drug carrier. <i>Cellulose</i> , 2021, 28, 6953-6966.	4.9	14
33	Cationic cellulose nanofibers as sustainable flocculant and retention aid for reconstituted tobacco sheet with high performance. <i>Carbohydrate Polymers</i> , 2019, 210, 372-378.	10.2	12
34	Facile isolation of colloidal stable chitin nano-crystals from <i>Metapenaeus ensis</i> shell via solid maleic acid hydrolysis and their application for synthesis of silver nanoparticles. <i>Cellulose</i> , 2020, 27, 9853-9875.	4.9	10
35	Anionic trash control in high-yield pulp (HYP) containing furnish by using a poly-DADMAC based commercial formulation. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 4452-4456.	5.8	5
36	Improving sizing performance of middle layer of liquid packaging board containing high-yield pulp. <i>Cellulose</i> , 2020, 27, 4707-4719.	4.9	5