## Aiqin Gao

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Light- and Humidity-Responsive Chiral Nematic Photonic Crystal Films Based on Cellulose Nanocrystals. ACS Applied Materials & Interfaces, 2020, 12, 24505-24511.	8.0	76
2	Smart color-changing paper packaging sensors with pH sensitive chromophores based on azo-anthraquinone reactive dyes. Sensors and Actuators B: Chemical, 2019, 286, 362-369.	7.8	73
3	Preparation of the superhydrophobic nano-hybrid membrane containing carbon nanotube based on chitosan and its antibacterial activity. Carbohydrate Polymers, 2015, 130, 381-387.	10.2	61
4	Printing properties of the red reactive dyes with different number sulfonate groups on cotton fabric. Carbohydrate Polymers, 2014, 101, 666-670.	10.2	43
5	Assembly of a Fluorescent Chiral Photonic Crystal Membrane and Its Sensitive Responses to Multiple Signals Induced by Small Molecules. ACS Nano, 2020, 14, 7380-7388.	14.6	42
6	Light-induced antibacterial and UV-protective properties of polyamide 56 biomaterial modified with anthraquinone and benzophenone derivatives. Materials and Design, 2017, 130, 215-222.	7.0	31
7	Light-Induced Production of Reactive Oxygen Species by a Novel Water-Soluble Benzophenone Derivative Containing Quaternary Ammonium Groups and Its Assembly on the Protein Fiber Surface. ACS Applied Materials & Interfaces, 2019, 11, 26500-26506.	8.0	26
8	Cleaner production applied to urea-free printing of cotton fabrics using polyethylene glycol polymers as alternative additives. Journal of Cleaner Production, 2016, 124, 126-131.	9.3	25
9	Preparation of multi-functional cellulose containing huge conjugated system and its UV-protective and antibacterial property. Carbohydrate Polymers, 2014, 114, 392-398.	10.2	23
10	Hydrophilic modification of polyester fabric by synergetic effect of biological enzymolysis and non-ionic surfactant, and applications in cleaner production. Journal of Cleaner Production, 2017, 164, 277-287.	9.3	23
11	Novel reactive dyes with intramolecular color matching combination containing different chromophores. Dyes and Pigments, 2018, 159, 576-583.	3.7	21
12	Efficient antimicrobial silk composites using synergistic effects of violacein and silver nanoparticles. Materials Science and Engineering C, 2019, 103, 109821.	7.3	20
13	Functional modification of cellulose fabrics with phthalocyanine derivatives and the UV light-induced antibacterial performance. Carbohydrate Polymers, 2018, 201, 382-386.	10.2	19
14	Highly water-soluble and pH-sensitive colorimetric sensors based on a D–π–A heterocyclic azo chromosphere. Sensors and Actuators B: Chemical, 2014, 204, 167-174.	7.8	17
15	Silicone nanomicelle dyeing using the nanoemulsion containing highly dispersed dyes for polyester fabrics. Journal of Cleaner Production, 2018, 200, 48-53.	9.3	16
16	Dyeing properties of the disperse dyes containing cyano group based on benzisothiazole for polyester fabrics under alkali condition. Fibers and Polymers, 2017, 18, 1956-1961.	2.1	14
17	3D heterogeneous CTF@TiO2/Bi2WO6/Au hybrid supported by hollow carbon tubes and its efficient photocatalytic performance in the UV-vis range. Environmental Science: Nano, 2020, 7, 2061-2072.	4.3	11
18	Rapid and environmental-friendly continuous gel-dyeing of polyacrylonitrile fiber with cationic dyes. Journal of Cleaner Production, 2020, 274, 122935.	9.3	10

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19	Light-controllable antibacterial composite films based on modified waterborne polyurethane. Progress in Organic Coatings, 2020, 149, 105940.	3.9	9
20	A supersensitive fluorescent probe for biothiols by regulating the click reaction and its application in glutathione detection in food samples. Dyes and Pigments, 2022, 200, 110164.	3.7	9
21	Preparation of high-aspect-ratio cellulose nanocrystals by solvothermal synthesis followed by mechanical exfoliation. Cellulose, 2019, 26, 5937-5945.	4.9	8
22	Effect of Calcium Chloride on Dyeing Property of Polyamide 66 Based on Reactive Anthraquinone Dyes with Different Structure. Fibers and Polymers, 2019, 20, 2140-2145.	2.1	5
23	Dyeing performance of the azo dyes containing trifluoromethyl group for polyester fabrics and its single crystal structure. Fibers and Polymers, 2017, 18, 2322-2327.	2.1	4
24	Assembly of transition metal ion on cellulose surface anchored with azo-Schiff base and its catalytic activity for H <sub>2</sub> O <sub>2</sub> decomposition. Desalination and Water Treatment, 2016, 57, 19190-19198.	1.0	3
25	Crosslinking formulations based on novel reactive disperse dyes for printing cotton fabrics. Textile Reseach Journal, 2017, 87, 2127-2132.	2.2	3
26	Design of the reactive dyes containing large planar multi-conjugated systems and their application in non-aqueous dyeing. Chinese Journal of Chemical Engineering, 2023, 54, 264-271.	3.5	3
27	Multi-functional fluorescence cellulose composites based on a modified amphiphilic waterborne polyurethane by covalent suspension of the triazine groups. Progress in Organic Coatings, 2021, 158, 106386.	3.9	2
28	Efficient Photocatalytic Activity of TiO2 Nanocrystals Modified with Organic Electron Donor and Barium Doping for Azo Group Decomposition Under UV Irradiation. Catalysis Letters, 2017, 147, 2697-2705.	2.6	0
29	Nanostructures: Controllable Fabrication of Au Nanocups by Confinedâ€5pace Thermal Dewetting for OCT Imaging (Adv. Mater. 26/2017). Advanced Materials, 2017, 29, .	21.0	0