

# Aiqin Gao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1662932/publications.pdf>

Version: 2024-02-01

29  
papers

597  
citations

566801

15  
h-index

610482

24  
g-index

29  
all docs

29  
docs citations

29  
times ranked

760  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.7	3
2	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.	2.0	9
3	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.	1.9	2
4	Rapid and environmental-friendly continuous gel-dyeing of polyacrylonitrile fiber with cationic dyes. Journal of Cleaner Production, 2020, 274, 122935.	4.6	10
5	Light-controllable antibacterial composite films based on modified waterborne polyurethane. Progress in Organic Coatings, 2020, 149, 105940.	1.9	9
6	Light- and Humidity-Responsive Chiral Nematic Photonic Crystal Films Based on Cellulose Nanocrystals. ACS Applied Materials & Interfaces, 2020, 12, 24505-24511.	4.0	76
7	3D heterogeneous CTF@TiO <sub>2</sub> /Bi <sub>2</sub> WO <sub>6</sub> /Au hybrid supported by hollow carbon tubes and its efficient photocatalytic performance in the UV-vis range. Environmental Science: Nano, 2020, 7, 2061-2072.	2.2	11
8	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.	7.3	42
9	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.	4.0	26
10	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.	1.1	5
11	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.	4.0	73
12	Efficient antimicrobial silk composites using synergistic effects of violacein and silver nanoparticles. Materials Science and Engineering C, 2019, 103, 109821.	3.8	20
13	Preparation of high-aspect-ratio cellulose nanocrystals by solvothermal synthesis followed by mechanical exfoliation. Cellulose, 2019, 26, 5937-5945.	2.4	8
14	Novel reactive dyes with intramolecular color matching combination containing different chromophores. Dyes and Pigments, 2018, 159, 576-583.	2.0	21
15	Silicone nanomicelle dyeing using the nanoemulsion containing highly dispersed dyes for polyester fabrics. Journal of Cleaner Production, 2018, 200, 48-53.	4.6	16
16	Functional modification of cellulose fabrics with phthalocyanine derivatives and the UV light-induced antibacterial performance. Carbohydrate Polymers, 2018, 201, 382-386.	5.1	19
17	Light-induced antibacterial and UV-protective properties of polyamide 56 biomaterial modified with anthraquinone and benzophenone derivatives. Materials and Design, 2017, 130, 215-222.	3.3	31
18	Efficient Photocatalytic Activity of TiO <sub>2</sub> Nanocrystals Modified with Organic Electron Donor and Barium Doping for Azo Group Decomposition Under UV Irradiation. Catalysis Letters, 2017, 147, 2697-2705.	1.4	0

#	ARTICLE	IF	CITATIONS
19	Nanostructures: Controllable Fabrication of Au Nanocups by Confined Space Thermal Dewetting for OCT Imaging (Adv. Mater. 26/2017). Advanced Materials, 2017, 29, .	11.1	0
20	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.	4.6	23
21	Crosslinking formulations based on novel reactive disperse dyes for printing cotton fabrics. Textile Research Journal, 2017, 87, 2127-2132.	1.1	3
22	Dyeing performance of the azo dyes containing trifluoromethyl group for polyester fabrics and its single crystal structure. Fibers and Polymers, 2017, 18, 2322-2327.	1.1	4
23	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.	1.1	14
24	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.	4.6	25
25	Assembly of transition metal ion on cellulose surface anchored with azo-Schiff base and its catalytic activity for $H_2O_2$ decomposition. Desalination and Water Treatment, 2016, 57, 19190-19198.	1.0	3
26	Preparation of the superhydrophobic nano-hybrid membrane containing carbon nanotube based on chitosan and its antibacterial activity. Carbohydrate Polymers, 2015, 130, 381-387.	5.1	61
27	Preparation of multi-functional cellulose containing huge conjugated system and its UV-protective and antibacterial property. Carbohydrate Polymers, 2014, 114, 392-398.	5.1	23
28	Highly water-soluble and pH-sensitive colorimetric sensors based on a $\beta$ -lactam heterocyclic azo chromophore. Sensors and Actuators B: Chemical, 2014, 204, 167-174.	4.0	17
29	Printing properties of the red reactive dyes with different number sulfonate groups on cotton fabric. Carbohydrate Polymers, 2014, 101, 666-670.	5.1	43