

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	Light- and Humidity-Responsive Chiral Nematic Photonic Crystal Films Based on Cellulose Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24505-24511.	4.0	76
2	Smart color-changing paper packaging sensors with pH sensitive chromophores based on azo-anthraquinone reactive dyes. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 362-369.	4.0	73
3	Preparation of the superhydrophobic nano-hybrid membrane containing carbon nanotube based on chitosan and its antibacterial activity. <i>Carbohydrate Polymers</i> , 2015, 130, 381-387.	5.1	61
4	Printing properties of the red reactive dyes with different number sulfonate groups on cotton fabric. <i>Carbohydrate Polymers</i> , 2014, 101, 666-670.	5.1	43
5	Assembly of a Fluorescent Chiral Photonic Crystal Membrane and Its Sensitive Responses to Multiple Signals Induced by Small Molecules. <i>ACS Nano</i> , 2020, 14, 7380-7388.	7.3	42
6	Light-induced antibacterial and UV-protective properties of polyamide 56 biomaterial modified with anthraquinone and benzophenone derivatives. <i>Materials and Design</i> , 2017, 130, 215-222.	3.3	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. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26500-26506.	4.0	26
8	Cleaner production applied to urea-free printing of cotton fabrics using polyethylene glycol polymers as alternative additives. <i>Journal of Cleaner Production</i> , 2016, 124, 126-131.	4.6	25
9	Preparation of multi-functional cellulose containing huge conjugated system and its UV-protective and antibacterial property. <i>Carbohydrate Polymers</i> , 2014, 114, 392-398.	5.1	23
10	Hydrophilic modification of polyester fabric by synergetic effect of biological enzymolysis and non-ionic surfactant, and applications in cleaner production. <i>Journal of Cleaner Production</i> , 2017, 164, 277-287.	4.6	23
11	Novel reactive dyes with intramolecular color matching combination containing different chromophores. <i>Dyes and Pigments</i> , 2018, 159, 576-583.	2.0	21
12	Efficient antimicrobial silk composites using synergistic effects of violacein and silver nanoparticles. <i>Materials Science and Engineering C</i> , 2019, 103, 109821.	3.8	20
13	Functional modification of cellulose fabrics with phthalocyanine derivatives and the UV light-induced antibacterial performance. <i>Carbohydrate Polymers</i> , 2018, 201, 382-386.	5.1	19
14	Highly water-soluble and pH-sensitive colorimetric sensors based on a Dâ€“A heterocyclic azo chromosphere. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 167-174.	4.0	17
15	Silicone nanomicelle dyeing using the nanoemulsion containing highly dispersed dyes for polyester fabrics. <i>Journal of Cleaner Production</i> , 2018, 200, 48-53.	4.6	16
16	Dyeing properties of the disperse dyes containing cyano group based on benzisothiazole for polyester fabrics under alkali condition. <i>Fibers and Polymers</i> , 2017, 18, 1956-1961.	1.1	14
17	3D heterogeneous CTF@TiO ₂ /Bi ₂ WO ₆ /Au hybrid supported by hollow carbon tubes and its efficient photocatalytic performance in the UV-vis range. <i>Environmental Science: Nano</i> , 2020, 7, 2061-2072.	2.2	11
18	Rapid and environmental-friendly continuous gel-dyeing of polyacrylonitrile fiber with cationic dyes. <i>Journal of Cleaner Production</i> , 2020, 274, 122935.	4.6	10

#	ARTICLE	IF	CITATIONS
19	Light-controllable antibacterial composite films based on modified waterborne polyurethane. <i>Progress in Organic Coatings</i> , 2020, 149, 105940.	1.9	9
20	A supersensitive fluorescent probe for biothiols by regulating the click reaction and its application in glutathione detection in food samples. <i>Dyes and Pigments</i> , 2022, 200, 110164.	2.0	9
21	Preparation of high-aspect-ratio cellulose nanocrystals by solvothermal synthesis followed by mechanical exfoliation. <i>Cellulose</i> , 2019, 26, 5937-5945.	2.4	8
22	Effect of Calcium Chloride on Dyeing Property of Polyamide 66 Based on Reactive Anthraquinone Dyes with Different Structure. <i>Fibers and Polymers</i> , 2019, 20, 2140-2145.	1.1	5
23	Dyeing performance of the azo dyes containing trifluoromethyl group for polyester fabrics and its single crystal structure. <i>Fibers and Polymers</i> , 2017, 18, 2322-2327.	1.1	4
24	Assembly of transition metal ion on cellulose surface anchored with azo-Schiff base and its catalytic activity for H_2O_2 decomposition. <i>Desalination and Water Treatment</i> , 2016, 57, 19190-19198.	1.0	3
25	Crosslinking formulations based on novel reactive disperse dyes for printing cotton fabrics. <i>Textile Research Journal</i> , 2017, 87, 2127-2132.	1.1	3
26	Design of the reactive dyes containing large planar multi-conjugated systems and their application in non-aqueous dyeing. <i>Chinese Journal of Chemical Engineering</i> , 2023, 54, 264-271.	1.7	3
27	Multi-functional fluorescence cellulose composites based on a modified amphiphilic waterborne polyurethane by covalent suspension of the triazine groups. <i>Progress in Organic Coatings</i> , 2021, 158, 106386.	1.9	2
28	Efficient Photocatalytic Activity of TiO ₂ Nanocrystals Modified with Organic Electron Donor and Barium Doping for Azo Group Decomposition Under UV Irradiation. <i>Catalysis Letters</i> , 2017, 147, 2697-2705.	1.4	0
29	Nanostructures: Controllable Fabrication of Au Nanocups by Confined Space Thermal Dewetting for OCT Imaging (<i>Adv. Mater.</i> 26/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	0