Ruyi Xie

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5667224/publications.pdf

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22	661	567281 15	677142 22
papers	citations	h-index	g-index

22	22	22	562
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Z-scheme In2O3/WO3 heterogeneous photocatalysts with enhanced visible-light-driven photocatalytic activity toward degradation of organic dyes. Journal of Materials Science, 2020, 55, 11919-11937.	3.7	93
2	Facile fabrication of redox/pH dual stimuli responsive cellulose hydrogel. Carbohydrate Polymers, 2017, 176, 299-306.	10.2	86
3	Fabrication of Z-scheme photocatalyst Agâ€“AgBr@Bi20TiO32 and its visible-light photocatalytic activity for the degradation of isoproturon herbicide. Journal of Molecular Catalysis A, 2015, 406, 194-203.	4.8	47
4	Construction of up-converting fluorescent carbon quantum dots/Bi20TiO32 composites with enhanced photocatalytic properties under visible light. Chemical Engineering Journal, 2017, 310, 79-90.	12.7	45
5	Dyeing cotton with tea extract based on in-situ polymerization: An innovative mechanism of coloring cellulose fibers by industrial crop pigments. Industrial Crops and Products, 2019, 142, 111863.	5.2	38
6	Eco-Friendly Pretreatment to the Coloration Enhancement of Reactive Dye Digital Inkjet Printing on Wool Fabrics. ACS Sustainable Chemistry and Engineering, 2021, 9, 10361-10369.	6.7	37
7	Inkjet Printable and Self-Curable Disperse Dyes/P(St-BA-MAA) Nanosphere Inks for Both Hydrophilic and Hydrophobic Fabrics. Polymers, 2018, 10, 1402.	4.5	35
8	Effect of Diethylene Glycol on the Inkjet Printability of Reactive Dye Solution for Cotton Fabrics. Langmuir, 2021, 37, 1493-1500.	3.5	35
9	Hierarchical Bi2MoO6 microsphere photocatalysts modified with polypyrrole conjugated polymer for efficient decontamination of organic pollutants. Chemosphere, 2022, 286, 131541.	8.2	33
10	Facile synthesis of cellulose derivatives based on cellulose acetoacetate. Carbohydrate Polymers, 2017, 170, 117-123.	10.2	32
11	Short clean dyeing of two-component cotton/polyamide fabrics through adaptive adjustment of the dye solution. Journal of Cleaner Production, 2022, 333, 130077.	9.3	30
12	The effect of ink drop spreading and coalescing on the image quality of printed cotton fabric. Cellulose, 2020, 27, 9725-9736.	4.9	24
13	Enhancement in electrical conductive property of polypyrroleâ€coated cotton fabrics using cationic surfactant. Journal of Applied Polymer Science, 2016, 133, .	2.6	23
14	The enhancement of wool reactive dyes ink-jet printing through air plasma pretreatment. Journal of Cleaner Production, 2022, 362, 132333.	9.3	20
15	Insights into coloration enhancement of mercerized cotton fabric on reactive dye digital inkjet printing. RSC Advances, 2022, 12, 10386-10394.	3.6	19
16	Clean dyeing of acrylic fabric by sustainable red bacterial pigment based on nano-suspension system. Journal of Cleaner Production, 2021, 281, 125295.	9.3	16
17	Preparation of magnetic cotton fabric by surface micro-dissolution treatment. Cellulose, 2017, 24, 1099-1106.	4.9	12
18	Effect of ethylene glycol and its derivatives on the aggregation properties of reactive Orange 13 dye aqueous solution. RSC Advances, 2020, 10, 34373-34380.	3.6	12

#	Article	IF	Citations
19	Locating the Reaction Site of 1,2,3,4-Butanetetracarboxylic Acid Carboxyl and Cellulose Hydroxyl in the Esterification Cross-Linking. ACS Omega, 2021, 6, 28394-28402.	3.5	8
20	Novel self-cross-linking fluorinated polyacrylate latex films with short chain perfluoroalkyl group: Surface free energy and surface reorganization. Reactive and Functional Polymers, 2022, 172, 105185.	4.1	8
21	Effects of alkanolamine solvents on the aggregation states of reactive dyes in concentrated solutions and the properties of the solutions. RSC Advances, 2021, 11, 10929-10934.	3.6	5
22	Comparing Benzodithiophene Unit with Alkylthionaphthyl and Alkylthiobiphenyl Side-Chains in Constructing High-Performance Nonfullerene Solar Cells. Polymers, 2020, 12, 1673.	4.5	3