

Weiguo Tian

List of Publications by Year in descending order

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17
papers

1,040
citations

623734

14
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888059

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17
docs citations

17
times ranked

1238
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical process of early-stage corrosion detection based on N-doped carbon dots with superior Fe ³⁺ responsiveness. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 567-576.	9.4	21
2	Cellulose nanosphere: Preparation and applications of the novel nanocellulose. <i>Carbohydrate Polymers</i> , 2022, 277, 118863.	10.2	37
3	Anionic polymerization of nonaromatic maleimide to achieve full-color nonconventional luminescence. <i>Nature Communications</i> , 2022, 13, .	12.8	25
4	Spiropyran based recognitions of amines: UV-Vis spectra and mechanisms. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 250, 119385.	3.9	16
5	Visualized Discriminant Analysis and Recognition of Multiple Metal Ions with a Single Cellulose-Based Fluorescent Probe. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9376-9385.	6.7	4
6	Cellulose-based fluorescent sensor for visual and versatile detection of amines and anions. <i>Journal of Hazardous Materials</i> , 2020, 387, 121719.	12.4	41
7	Highly Transparent All-Polysaccharide Composite Films with Tailored Transmission Haze for Light Manipulation. <i>Advanced Materials Technologies</i> , 2020, 5, 2000378.	5.8	19
8	Facile Access to Solid-State Carbon Dots with High Luminescence Efficiency and Excellent Formability via Cellulose Derivative Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5937-5945.	6.7	45
9	Sunlight-Driven Wearable and Robust Antibacterial Coatings with Water-Soluble Cellulose-Based Photosensitizers. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801591.	7.6	50
10	Amine-responsive cellulose-based ratiometric fluorescent materials for real-time and visual detection of shrimp and crab freshness. <i>Nature Communications</i> , 2019, 10, 795.	12.8	279
11	Visual and Precise Detection of pH Values under Extreme Acidic and Strong Basic Environments by Cellulose-Based Superior Sensor. <i>Analytical Chemistry</i> , 2019, 91, 3085-3092.	6.5	37
12	Novel Thermoplastic Cellulose Esters Containing Bulky Moieties and Soft Segments. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4931-4939.	6.7	79
13	Phototunable Full-Color Emission of Cellulose-Based Dynamic Fluorescent Materials. <i>Advanced Functional Materials</i> , 2018, 28, 1703548.	14.9	163
14	Cellulose-Based Sensor Containing Phenanthroline for the Highly Selective and Rapid Detection of Fe ²⁺ Ions with Naked Eye and Fluorescent Dual Modes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2114-2121.	8.0	101
15	Controllable synthesis of cellulose benzoates for understanding of chiral recognition mechanism and fabrication of highly efficient chiral stationary phases. <i>Analytical Methods</i> , 2018, 10, 2844-2853.	2.7	14
16	Cellulose-Based Solid Fluorescent Materials. <i>Advanced Optical Materials</i> , 2016, 4, 2044-2050.	7.3	81
17	Significant Fluorescence Enhancement of Spiropyran in Colloidal Dispersion and Its Light-Induced Size Tunability for Release Control. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20762-20772.	3.1	28