

Rui Tian

List of Publications by Year in descending order

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27
papers

863
citations

516710

16
h-index

526287

27
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all docs

27
docs citations

27
times ranked

1302
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-step polymer degradation kinetics using activation energy-dependent cataluminescence. <i>Green Chemistry</i> , 2022, 24, 2423-2428.	9.0	7
2	Fluorescence Technique Lighting the Particle Migration in Polymers. <i>Macromolecules</i> , 2022, 55, 5840-5848.	4.8	2
3	Fluorescence monitoring of the degradation evolution of aliphatic polyesters. <i>Chemical Communications</i> , 2022, 58, 8818-8821.	4.1	4
4	Three-Dimensional Fluorescent Imaging to Identify Multi-Paths in Polymer Aging. <i>Analytical Chemistry</i> , 2021, 93, 10301-10309.	6.5	6
5	Mass Spectrometry Imaging of Low-Molecular-Weight Phenols Liberated from Plastics. <i>Analytical Chemistry</i> , 2021, 93, 13703-13710.	6.5	3
6	Enhanced photocatalytic performance of heterogeneous hydroxalcite by spontaneously polarized ferroelectric. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 473-479.	9.4	4
7	Large-scale preparation for efficient polymer-based room-temperature phosphorescence via click chemistry. <i>Science Advances</i> , 2020, 6, eaaz6107.	10.3	101
8	Three-Dimensional Visualization for Early-Stage Evolution of Polymer Aging. <i>ACS Central Science</i> , 2020, 6, 771-778.	11.3	19
9	Novel Fluorescence Method for Determination of Spatial Interparticle Distance in Polymer Nanocomposites. <i>Analytical Chemistry</i> , 2020, 92, 7794-7799.	6.5	6
10	Significantly Enhanced Thermoelectric Properties of Organic-Inorganic Hybrids with a Periodically Ordered Structure. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13371-13377.	8.0	23
11	Substrate-Assisted Visualization of Surfactant Micelles via Transmission Electron Microscopy. <i>Frontiers in Chemistry</i> , 2019, 7, 242.	3.6	3
12	Efficient bacteria inactivation by ligand-induced continuous generation of hydroxyl radicals in Fenton-like reaction. <i>Journal of Hazardous Materials</i> , 2019, 369, 408-415.	12.4	17
13	In situ visualization of hydrophilic spatial heterogeneity inside microfluidic chips by fluorescence microscopy. <i>Lab on A Chip</i> , 2019, 19, 934-940.	6.0	9
14	Hydroxyl-triggered fluorescence for location of inorganic materials in polymer-matrix composites. <i>Chemical Science</i> , 2018, 9, 218-222.	7.4	21
15	Highly dispersed layered double oxide hollow spheres with sufficient active sites for adsorption of methyl blue. <i>Nanoscale</i> , 2018, 10, 23191-23197.	5.6	33
16	Monodispersed Ag Nanoparticle in Layered Double Hydroxides as Matrix for Laser Desorption/Ionization Mass Spectrometry. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44751-44759.	8.0	26
17	Spontaneous polarization switching and piezoelectric enhancement of PVDF through strong hydrogen bonds induced by layered double hydroxides. <i>Chemical Communications</i> , 2017, 53, 7933-7936.	4.1	25
18	A luminescent ultrathin film with reversible sensing toward pressure. <i>Chemical Communications</i> , 2016, 52, 4663-4666.	4.1	16

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19	Surface-confined fluorescence enhancement of Au nanoclusters anchoring to a two-dimensional ultrathin nanosheet toward bioimaging. <i>Nanoscale</i> , 2016, 8, 9815-9821.	5.6	39
20	A targeted agent with intercalation structure for cancer near-infrared imaging and photothermal therapy. <i>RSC Advances</i> , 2016, 6, 16608-16614.	3.6	22
21	Localization of Au Nanoclusters on Layered Double Hydroxides Nanosheets: Confinement-Induced Emission Enhancement and Temperature-Responsive Luminescence. <i>Advanced Functional Materials</i> , 2015, 25, 5006-5015.	14.9	167
22	A supramolecular nanovehicle toward systematic, targeted cancer and tumor therapy. <i>Chemical Science</i> , 2015, 6, 5511-5518.	7.4	26
23	Surface enhanced Raman scattering based on Au nanoparticles/layered double hydroxide ultrathin films. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5167-5174.	5.5	26
24	A Supramolecular Photosensitizer with Excellent Anticancer Performance in Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2014, 24, 3144-3151.	14.9	110
25	Intelligent display films with tunable color emission based on a supramolecular architecture. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5654.	5.5	16
26	Study on UV-shielding mechanism of layered double hydroxide materials. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18217.	2.8	52
27	CdTe Quantum Dots/Layered Double Hydroxide Ultrathin Films with Multicolor Light Emission via Layer-by-Layer Assembly. <i>Advanced Functional Materials</i> , 2012, 22, 4940-4948.	14.9	80