

Zejun Xu

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,334
citations

236612

25
h-index

276539

41
g-index

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all docs

43
docs citations

43
times ranked

2801
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Mechanochromic and Photochromic Polymer Film: When Rhodamine Joins Polyurethane. <i>Advanced Materials</i> , 2015, 27, 6469-6474.	11.1	252
2	Mechanically Induced Multicolor Change of Luminescent Materials. <i>ChemPhysChem</i> , 2015, 16, 1811-1828.	1.0	220
3	A bio-based hyperbranched flame retardant for epoxy resins. <i>Chemical Engineering Journal</i> , 2020, 381, 122719.	6.6	207
4	A Mechanochromic Single Crystal: Turning Two Color Changes into a Tricolored Switch. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 519-522.	7.2	196
5	Synthesis and application of epoxy-ended hyperbranched polymers. <i>Chemical Engineering Journal</i> , 2018, 343, 283-302.	6.6	176
6	Systemic gene silencing in plants triggered by fluorescent nanoparticle-delivered double-stranded RNA. <i>Nanoscale</i> , 2014, 6, 9965-9969.	2.8	106
7	Recyclable thermoset hyperbranched polymers containing reversible hexahydro-s-triazine. <i>Nature Sustainability</i> , 2020, 3, 29-34.	11.5	102
8	Perylenediimide-cored dendrimers and their bioimaging and gene delivery applications. <i>Progress in Polymer Science</i> , 2015, 46, 25-54.	11.8	85
9	A functionalized fluorescent dendrimer as a pesticide nanocarrier: application in pest control. <i>Nanoscale</i> , 2015, 7, 445-449.	2.8	72
10	A multifunctional perylenediimide derivative (DTPDI) can be used as a recyclable specific Hg ²⁺ ion sensor and an efficient DNA delivery carrier. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2093-2096.	2.9	71
11	Degradable and recyclable bio-based thermoset epoxy resins. <i>Green Chemistry</i> , 2020, 22, 4187-4198.	4.6	70
12	An Enzyme-Responsive Nanogel Carrier Based on PAMAM Dendrimers for Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19899-19906.	4.0	68
13	Fluorescent water-soluble perylenediimide-cored cationic dendrimers: synthesis, optical properties, and cell uptake. <i>Chemical Communications</i> , 2013, 49, 3646.	2.2	62
14	Closed-Loop Recycling of Both Resin and Fiber from High-Performance Thermoset Epoxy/Carbon Fiber Composites. <i>ACS Macro Letters</i> , 2021, 10, 1113-1118.	2.3	56
15	Highly water-soluble perylenediimide-cored poly(amido amine) vector for efficient gene transfection. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3079-3086.	2.9	47
16	Synthesis of degradable hyperbranched epoxy resins with high tensile, elongation, modulus and low-temperature resistance. <i>Composites Part B: Engineering</i> , 2020, 192, 108005.	5.9	47
17	Construction of extensible and flexible supercapacitors from covalent organic framework composite membrane electrode. <i>Chemical Engineering Journal</i> , 2020, 387, 124071.	6.6	42
18	Systemically interfering with immune response by a fluorescent cationic dendrimer delivered gene suppression. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4653-4659.	2.9	40

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19	Dual-Responsive Interaction to Detect DNA on Template-Based Fluorescent Nanotubes. <i>Small</i> , 2011, 7, 1629-1634.	5.2	35
20	A Unique Perylene-Based DNA Intercalator: Localization in Cell Nuclei and Inhibition of Cancer Cells and Tumors. <i>Small</i> , 2014, 10, 4087-4092.	5.2	34
21	Dendrimer-Based Demulsifiers for Polymer Flooding Oil-in-Water Emulsions. <i>Energy & Fuels</i> , 2017, 31, 5395-5401.	2.5	32
22	Controllable multicolor switching of oligopeptide-based mechanochromic molecules: from gel phase to solid powder. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3399-3405.	2.7	30
23	The versatility of hyperbranched epoxy resins containing hexahydro-s-triazine on diglycidyl ether of bisphenol-A composites. <i>Composites Part B: Engineering</i> , 2020, 196, 108109.	5.9	29
24	Molecular Size, Shape, and Electric Charges: Essential for Perylene Bisimide-Based DNA Intercalator to Localize in Cell Nuclei and Inhibit Cancer Cell Growth. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9784-9791.	4.0	28
25	A poly(amidoamine) dendrimer-based nanocarrier conjugated with Angiopep-2 for dual-targeting function in treating glioma cells. <i>Polymer Chemistry</i> , 2016, 7, 715-721.	1.9	24
26	Tuning morphology and functionality of two-component self-assembly induced by H-bond and π - π stacking. <i>Dyes and Pigments</i> , 2019, 170, 107586.	2.0	20
27	Toughening benzoxazine/epoxy thermosets through control of interfacial interactions and morphologies by hyperbranched polymeric ionic liquids. <i>Journal of Molecular Liquids</i> , 2019, 291, 111251.	2.3	19
28	Synthesis and Degradation Mechanism of Self-Cured Hyperbranched Epoxy Resins from Natural Citric Acid. <i>ACS Omega</i> , 2018, 3, 8141-8148.	1.6	17
29	Monitoring mitochondrial ATP in live cells: An ATP multisite-binding fluorescence turn-on probe. <i>Dyes and Pigments</i> , 2019, 163, 559-563.	2.0	17
30	Cobalt-Doped Tungsten Sulfides as Stable and Efficient Air Electrodes for Rechargeable Zinc-Air Batteries. <i>ChemElectroChem</i> , 2020, 7, 148-154.	1.7	17
31	A high stiffness bio-inspired hydrogel from the combination of a poly(amido amine) dendrimer with DOPA. <i>Chemical Communications</i> , 2015, 51, 16786-16789.	2.2	14
32	Flexible Supercapacitors Fabricated by Growing Porous NiCo ₂ O ₄ In Situ on a Carbon Nanotube Film Using a Hyperbranched Polymer Template. <i>ACS Applied Energy Materials</i> , 2020, 3, 4043-4050.	2.5	14
33	AIEE based α -turn-on fluorescent sensor for Al ³⁺ ions and induced tetraphenylethene self-assemblies. <i>Organic Electronics</i> , 2020, 85, 105820.	1.4	11
34	Fluorescent Sensor for Rapid Detection of Nucleophile and Convenient Comparison of Nucleophilicity. <i>Analytical Chemistry</i> , 2017, 89, 5131-5137.	3.2	10
35	High Mechanical Strength of Shape-Memory Hyperbranched Epoxy Resins. <i>ACS Applied Polymer Materials</i> , 2022, 4, 5574-5582.	2.0	8
36	Tuning the morphology of melamine-induced tetraphenylethene self-assemblies for melamine detecting. <i>Organic Electronics</i> , 2020, 76, 105476.	1.4	7

#	ARTICLE	IF	CITATIONS
37	Hyperbranched polymers containing epoxy and imide structure. Progress in Organic Coatings, 2021, 151, 106031.	1.9	7
38	One-pot synthesis of multifunctional electrocatalyst for hydrogen evolution, oxygen evolution and oxygen reduction. ChemCatChem, 2020, 12, 5534-5539.	1.8	4
39	Controllability on topological structures and properties of hyperbranched epoxy resins. Progress in Organic Coatings, 2022, 165, 106735.	1.9	4
40	Self-Humidified Pt Electrocatalyst Fabricated from Hydrophilic Molecules Coating with Enhanced Fuel Cell Performance. Energy Technology, 2018, 6, 1813-1819.	1.8	1