

List of Publications by Citations

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76
papers

1,095
citations

18
h-index

30
g-index

81
ext. papers

1,613
ext. citations

5.4
avg, IF

5.04
L-index

#	Paper	IF	Citations
76	Current progress in production of biopolymeric materials based on cellulose, cellulose nanofibers, and cellulose derivatives.. <i>RSC Advances</i> , 2018 , 8, 825-842	3.7	157
75	A fully bio-based epoxy vitrimer: Self-healing, triple-shape memory and reprocessing triggered by dynamic covalent bond exchange. <i>Materials and Design</i> , 2020 , 186, 108248	8.1	107
74	Properties of novel polyvinyl alcohol/cellulose nanocrystals/silver nanoparticles blend membranes. <i>Carbohydrate Polymers</i> , 2013 , 98, 1573-7	10.3	52
73	Design, synthesis and anticancer activity of novel nopinone-based thiosemicarbazone derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 2360-2363	2.9	42
72	Enhancement of Hydrophobic Properties of Cellulose Fibers via Grafting with Polymeric Epoxidized Soybean Oil. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1619-1627	8.3	40
71	Preparation and Characterization of Cellulose Grafted with Epoxidized Soybean Oil Aerogels for Oil-Absorbing Materials. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 637-643	5.7	35
70	A novel nopinone-based colorimetric and ratiometric fluorescent probe for detection of bisulfite and its application in food and living cells. <i>Dyes and Pigments</i> , 2019 , 171, 107702	4.6	32
69	Synthesis and characteristics of tung oil-based acrylated-alkyd resin modified by isobornyl acrylate. <i>RSC Advances</i> , 2017 , 7, 30439-30445	3.7	28
68	Porous aerogels prepared by crosslinking of cellulose with 1,4-butanediol diglycidyl ether in NaOH/urea solution. <i>RSC Advances</i> , 2016 , 6, 42854-42862	3.7	27
67	A novel isolongifolanone based fluorescent probe with super selectivity and sensitivity for hypochlorite and its application in bio-imaging. <i>Analytica Chimica Acta</i> , 2019 , 1051, 169-178	6.6	27
66	Preparation and Characterization of Room-Temperature-Vulcanized Silicone Rubber Using Acrylpimaric Acid-Modified Aminopropyltriethoxysilane as a Cross-Linking Agent. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4964-4974	8.3	24
65	Construction of antimicrobial and biocompatible cotton textile based on quaternary ammonium salt from rosin acid. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 1-8	7.9	23
64	Synthesis and properties of novel rosin-based water-borne polyurethane. <i>Polymer International</i> , 2011 , 60, 1521-1526	3.3	22
63	Fully Bio-Based Polyhydroxyurethanes with a Dynamic Network from a Terpene Derivative and Cyclic Carbonate Functional Soybean Oil. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 4175-4184	8.3	21
62	The effect of atmospheric pressure plasma pretreatment with various gases on the structural characteristics and chemical composition of wheat straw and applications to enzymatic hydrolysis. <i>Energy</i> , 2019 , 176, 195-210	7.9	20
61	Boron nitride-nanosheet enhanced cellulose nanofiber aerogel with excellent thermal management properties. <i>Carbohydrate Polymers</i> , 2020 , 241, 116425	10.3	20
60	Novel eco-friendly maleopimaric acid based polysiloxane flame retardant and application in rigid polyurethane foam. <i>Composites Science and Technology</i> , 2020 , 198, 108272	8.6	19

59	A Novel Camphor-Based Turn-on Fluorescent Probe with High Specificity and Sensitivity for Sensing Mercury(II) in Aqueous Medium and Its Bioimaging Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12348-12359	8.3	19
58	Synthesis, optical properties, and cellular imaging of novel quinazolin-2-amine nopinone derivatives. <i>Dyes and Pigments</i> , 2016 , 128, 75-83	4.6	17
57	A novel hexahydroquinazolin-2-amine-based fluorescence sensor for Cu ²⁺ from isolongifolanone and its biological applications. <i>RSC Advances</i> , 2017 , 7, 33263-33272	3.7	17
56	An easily available camphor-derived ratiometric fluorescent probe with AIE feature for sequential Ga ³⁺ and ATP sensing in a near-perfect aqueous media and its bio-imaging in living cells and mice. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128249	8.5	17
55	Preparation of non-isocyanate polyurethanes from epoxy soybean oil: dual dynamic networks to realize self-healing and reprocessing under mild conditions. <i>Green Chemistry</i> , 2021 , 23, 6349-6355	10	17
54	Cellulose-based polymeric emulsifier stabilized poly(N-vinylcaprolactam) hydrogel with temperature and pH responsiveness. <i>International Journal of Biological Macromolecules</i> , 2020 , 143, 190-199	7.9	16
53	BODIPY derivatives bearing borneol moieties: Enhancing cell membrane permeability for living cell imaging. <i>Dyes and Pigments</i> , 2019 , 164, 105-111	4.6	16
52	Truxene-BODIPY dyads and triads: Synthesis, spectroscopic characterization, one and two-photon absorption properties and electrochemistry. <i>Dyes and Pigments</i> , 2020 , 179, 108380	4.6	15
51	A simple camphor based AIE fluorescent probe for highly specific and sensitive detection of hydrazine and its application in living cells. <i>Analytical Methods</i> , 2019 , 11, 3958-3965	3.2	12
50	Nopinone-based AIE-active dual-functional fluorescent chemosensor for Hg and Cu and its environmental and biological applications. <i>Dalton Transactions</i> , 2020 , 49, 15299-15309	4.3	12
49	A pinene-based silane crosslinker for improved mechanical strength/transparency of room-temperature vulcanizing silicone rubber. <i>Materials Chemistry and Physics</i> , 2020 , 247, 122868	4.4	10
48	Mechanical reinforcement of room-temperature-vulcanized silicone rubber using modified cellulose nanocrystals as cross-linker and nanofiller. <i>Carbohydrate Polymers</i> , 2020 , 229, 115509	10.3	10
47	Factors influencing the morphology and adsorption performance of cellulose nanocrystal/iron oxide nanorod composites for the removal of arsenic during water treatment. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 1418-1424	7.9	10
46	A TEMPO-oxidized cellulose nanofibers/MOFs hydrogel with temperature and pH responsiveness for fertilizers slow-release. <i>International Journal of Biological Macromolecules</i> , 2021 , 191, 483-491	7.9	10
45	A novel tetrahydroquinazolin-2-amine-based high selective fluorescent sensor for Zn ²⁺ from nopinone. <i>Tetrahedron</i> , 2016 , 72, 4503-4509	2.4	9
44	Biobased Phosphorus Siloxane-Containing Polyurethane Foam with Flame-Retardant and Smoke-Suppressant Performances. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8623-8634	8.3	9
43	Synthesis, optical properties, and acid-base indicating performance of novel ketene hydroxybenzylidene nopinone derivatives. <i>RSC Advances</i> , 2016 , 6, 111760-111766	3.7	8
42	A nopinone based multi-functional probe for colorimetric detection of Cu and ratiometric detection of Ag. <i>Photochemical and Photobiological Sciences</i> , 2020 , 19, 49-55	4.2	8

41	Terpene derivative-containing silicone two-component waterborne polyurethane for coatings. <i>Progress in Organic Coatings</i> , 2021 , 153, 106137	4.8	8
40	Novel Nopinone-Based Turn-on Fluorescent Probe for Hydrazine in Living Cells with High Selectivity. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 22754-22762	3.9	8
39	Using β -Pinene-Modified Triethoxysilane as the New Cross-Linking Agent To Improve the Silicone Rubber Properties. <i>ACS Omega</i> , 2019 , 4, 11921-11927	3.9	7
38	Synthesis and Antibacterial, Antitumor Activity of 2,6,6-Thrimethyl-bicyclo[3,1,1]heptan-3-(4-aryl-2-thiazoyl)hydrazones. <i>Chinese Journal of Organic Chemistry</i> , 2014 , 34, 2148	3.6	7
37	Synthesis, optical properties and application of a set of novel pyrazole nopinone derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 183, 60-67	4.4	6
36	Fluorescence staining of salicylaldehyde azine, and applications in the determination of potassium tert-butoxide. <i>RSC Advances</i> , 2016 , 6, 30636-30641	3.7	6
35	Novel Bis-Camphor-Derived Colorimetric and Fluorescent Probe for Rapid and Visual Detection of Cysteine and Its Versatile Applications in Food Analysis and Biological Imaging.. <i>Journal of Agricultural and Food Chemistry</i> , 2022 ,	5.7	6
34	Synthesis and Biological Activity of Novel Pinanyl Thiazole Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2016 , 36, 2489	3	6
33	Preparation and properties of room temperature vulcanized silicone rubber using triethoxy(2-(4-methylcyclohex-3-en-1-yl)propyl)silane as a novel cross-linking agent. <i>Polymer Degradation and Stability</i> , 2020 , 173, 109068	4.7	6
32	Innovative two-phase air plasma activation approach for green and efficient functionalization of nanofibrillated cellulose surfaces from wheat straw. <i>Journal of Cleaner Production</i> , 2021 , 297, 126664	10.3	6
31	Synthesis of a pH-responsive nano-cellulose/sodium alginate/MOFs hydrogel and its application in the regulation of water and N-fertilizer. <i>International Journal of Biological Macromolecules</i> , 2021 , 187, 262-271	7.9	6
30	Flame-retarded polyurethane foam conferred by a bio-based nitrogen-phosphorus-containing flame retardant. <i>Reactive and Functional Polymers</i> , 2021 , 168, 105057	4.6	6
29	16-Isopropyl-5,9-dimethyltetra-cyclo-[10.2.2.0.0]hexa-dec-15-ene-5,14-dicarboxylic acid ethanol hemisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o1521		5
28	Synthesis and Biological Activities of Novel 4-Aryl-5,6,7,8-tetrahydroquinazolin-2-amine Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2014 , 34, 2130	3	5
27	Synthesis and Biological Activity of Novel Pinanyl Pyrazole Acetamide Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2017 , 37, 218	3	5
26	Aggregation-Induced Emission-Active Fluorescent Probe for Zn ²⁺ Based on Isolongifolanone and Its Application in Plant-Cell Imaging. <i>Chinese Journal of Organic Chemistry</i> , 2018 , 38, 1401	3	5
25	Highly efficient coumarin-derived colorimetric chemosensors for sensitive sensing of fluoride ions and their applications in logic circuits. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 255, 119718	4.4	5
24	2-Hydr-oxy-6,6-dimethyl-bicyclo-[3.1.1]heptane-2-carboxylic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o2748		4

23	Synthesis and Antibacterial Activity of New Pinanyl Nitrogen-Containing Heterocycles. <i>Chinese Journal of Organic Chemistry</i> , 2013 , 33, 2196	3	4
22	Thermo-/pH-responsive preservative delivery based on TEMPO cellulose nanofiber/cationic copolymer hydrogel film in fruit packaging. <i>International Journal of Biological Macromolecules</i> , 2021 , 183, 1911-1924	7.9	4
21	Performance improvement of rosin-based room temperature vulcanized silicone rubber using nanofiller fumed silica. <i>Polymer Degradation and Stability</i> , 2021 , 183, 109422	4.7	4
20	Recyclable non-isocyanate polyurethanes containing a dynamic covalent network derived from epoxy soybean oil and CO ₂ . <i>Materials Chemistry Frontiers</i> , 2021 , 5, 6160-6170	7.8	4
19	Two-component waterborne polyurethane modified with terpene derivative-based polysiloxane for coatings via a thiol-ene click reaction. <i>Industrial Crops and Products</i> , 2021 , 171, 113903	5.9	4
18	Development of a ratiometric fluorescent probe with large Stokes shift and emission wavelength shift for real-time tracking of hydrazine and its multiple applications in environmental analysis and biological imaging. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126891	12.8	4
17	Investigation on the Utilization Possibility of Orange (<i>Citrus sinensis</i> var. Valencia) Oil Extracted by Microwave Pretreatment-Improved Steam Distillation as Natural Flavoring Agent Based on its Characteristics Analysis. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2018 , 21, 298-316	1.7	3
16	A novel AIE-active camphor-based fluorescent probe for simultaneous detection of Al and Zn at dual channels in living cells and zebrafish. <i>Analyst, The</i> , 2021 ,	5	3
15	Discovery of a novel camphor-based fluorescent probe for Co in fresh vegetables with high selectivity and sensitivity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 248, 119213	4.4	3
14	Modified cellulose nanocrystals are used to enhance the performance of self-healing siloxane elastomers. <i>Carbohydrate Polymers</i> , 2021 , 273, 118529	10.3	3
13	Synthesis and determination of Zn ²⁺ , S ₂ O ₃ ²⁻ and live cellular imaging of a benzhydrazide derivative. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 396, 112544	4.7	2
12	Syntheses, structures, and properties of coordination polymers based on acrylpimaric acid. <i>Inorganica Chimica Acta</i> , 2013 , 405, 477-484	2.7	2
11	Preparation and Properties of Bio-Based Waterborne Polyurethane Modified by Zinc Oxide. <i>Advanced Materials Research</i> , 2011 , 183-185, 1827-1831	0.5	2
10	Oxidative Esterification of Aldehydes and Alcohols Catalyzed by Camphor-Based Imidazolium Salts. <i>Catalysis Letters</i> , 2020 , 150, 1812-1820	2.8	2
9	Preparation and characterization of UV-curable waterborne polyurethane using isobornyl acrylate modified via copolymerization. <i>Polymer Degradation and Stability</i> , 2021 , 184, 109474	4.7	2
8	Synthesis, structure, and luminescence of a coordination polymer from fumaropimaric acid and a water cluster. <i>Journal of Coordination Chemistry</i> , 2015 , 68, 1238-1250	1.6	1
7	15-Hydroxy-ethyl-19-isopropyl-5,9-dimethyl-14,16-dioxo-15-aza-penta-cyclo-[10.5.2.0.0.0]nona-dec-18-ene-5-carboxylic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o2443		1
6	Quantitatively analysis and detection of CN in three food samples by a novel nopinone-based fluorescent probe.. <i>Food Chemistry</i> , 2022 , 379, 132153	8.5	1

- 5 Rosin-Based Si/P-Containing Flame Retardant Toward Enhanced Fire Safety Polyurethane Foam. *Advanced Engineering Materials*, 2021, 13(10), 2101044 3.5 ○
- 4 Synthesis, optical properties, determination and imaging in living cells and bamboo of cinnamaldehyde derivatives. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 2021, 255, 119730 4.4 ○
- 3 A novel ratiometric fluorescent chemosensor for detecting malononitrile and application assisted with smartphone. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 2021, 262, 120134 4.4 ○
- 2 16-Isopropyl-5,9-dimethyl-tetra-cyclo-[10.2.2.0.0]hexa-dec-15-ene-5,13,14-tricarboxylic acid dimethyl-formamide disolvate. *Acta Crystallographica Section E: Structure Reports Online*, 2010, 66, o1318 3.5 ○
- 1 4-Isopropyl-N-phenyl-cyclo-hexa-1,3-diene-1-carboxamide. *Acta Crystallographica Section E: Structure Reports Online*, 2010, 66, o2490 3.5 ○