

Xu Xu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | 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 |
| 75 | 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 |
| 74 | 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 |
| 73 | 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 |
| 72 | Terpene derivative-containing silicone two-component waterborne polyurethane for coatings. <i>Progress in Organic Coatings</i> , 2021 , 153, 106137 | 4.8 | 8 |
| 71 | 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 |
| 70 | 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 |
| 69 | Synthesis, optical properties, determination and imaging in living cells and bamboo of cinnamaldehyde derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 255, 119730 | 4.4 | 0 |
| 68 | 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 |
| 67 | 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 |
| 66 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | 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 |
| 62 | 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 |
| 61 | 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 |
| 60 | 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 |

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| 59 | 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 |
| 58 | 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 |
| 57 | 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 |
| 56 | Modified cellulose nanocrystals are used to enhance the performance of self-healing siloxane elastomers. <i>Carbohydrate Polymers</i> , 2021 , 273, 118529 | 10.3 | 3 |
| 55 | A novel ratiometric fluorescent chemosensor for detecting malononitrile and application assisted with smartphone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 262, 120135 | 4.4 | 0 |
| 54 | Boron nitride-nanosheet enhanced cellulose nanofiber aerogel with excellent thermal management properties. <i>Carbohydrate Polymers</i> , 2020 , 241, 116425 | 10.3 | 20 |
| 53 | Synthesis and determination of Zn ²⁺ , S ²⁻ and live cellular imaging of a benzhydrazide derivative. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 396, 112544 | 4.7 | 2 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 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 | 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 |
| 46 | Oxidative Esterification of Aldehydes and Alcohols Catalyzed by Camphor-Based Imidazolium Salts. <i>Catalysis Letters</i> , 2020 , 150, 1812-1820 | 2.8 | 2 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | 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 |

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|----|---|-----|-----|
| 41 | 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 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | Using 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 |
| 35 | 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 |
| 34 | Preparation and Characterization of Room-Temperature-Vulcanized Silicone Rubber Using Acrylpimanic Acid-Modified Aminopropyltriethoxysilane as a Cross-Linking Agent. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4964-4974 | 8.3 | 24 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |

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|----|--|------|----|
| 23 | 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 |
| 22 | 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 |
| 21 | Synthesis and Biological Activity of Novel Pinanyl Pyrazole Acetamide Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2017 , 37, 218 | 3 | 5 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | Synthesis and Biological Activity of Novel Pinanyl Thiazole Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2016 , 36, 2489 | 3 | 6 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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, 2143 | 3 | 7 |
| 11 | Properties of novel polyvinyl alcohol/cellulose nanocrystals/silver nanoparticles blend membranes. <i>Carbohydrate Polymers</i> , 2013 , 98, 1573-7 | 10.3 | 52 |
| 10 | Syntheses, structures, and properties of coordination polymers based on acrylpimaric acid. <i>Inorganica Chimica Acta</i> , 2013 , 405, 477-484 | 2.7 | 2 |
| 9 | Synthesis and Antibacterial Activity of New Pinanyl Nitrogen-Containing Heterocycles. <i>Chinese Journal of Organic Chemistry</i> , 2013 , 33, 2196 | 3 | 4 |
| 8 | Synthesis and properties of novel rosin-based water-borne polyurethane. <i>Polymer International</i> , 2011 , 60, 1521-1526 | 3.3 | 22 |
| 7 | 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 |
| 6 | 16-Isopropyl-5,9-dimethyl-tetra-cyclo-[10.2.2.0.0]hexa-dec-15-ene-5,13,14-tricarboxylic acid dimethyl-formamide disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, o1318 | | |

- 5 4-Isopropyl-N-phenyl-cyclo-hexa-1,3-diene-1-carboxamide. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o2490
- 4 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. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o2443 1
- 3 2-Hydr-oxy-6,6-dimethyl-bicyclo-[3.1.1]heptane-2-carboxylic acid. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o2748 4
- 2 16-Isopropyl-5,9-dimethyltetra-cyclo-[10.2.2.0.0]hexa-dec-15-ene-5,14-dicarboxylic acid ethanol hemisolvate. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o1521 5
- 1 Rosin-Based Si/P-Containing Flame Retardant Toward Enhanced Fire Safety Polyurethane Foam. *Advanced Engineering Materials*, 2101044 3.5 0