

Bowen Dong

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.

86
papers

1,845
citations

25
h-index

39
g-index

90
ext. papers

2,301
ext. citations

4.9
avg, IF

5.22
L-index

#	Paper	IF	Citations
86	Synthesis of robust polyaniline microcapsules via UV-initiated emulsion polymerization for self-healing and anti-corrosion coating. <i>Progress in Organic Coatings</i> , 2022 , 162, 106592	4.8	3
85	Filling Aggregation-Induced Extinction Mechanism in Near-Infrared Photopolymerization for Gradient and Highly Filled Bulk Materials. <i>Macromolecules</i> , 2022 , 55, 2075-2084	5.5	0
84	Robust Damage-Reporting Strategy Enabled by Dual-Compartment Microcapsules. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 14518-14529	9.5	2
83	Phenacyl Phenothiazinium Salt as a New Broad-Wavelength-Absorbing Photoinitiator for Cationic and Free Radical Polymerizations. <i>Angewandte Chemie</i> , 2021 , 133, 17054-17058	3.6	0
82	Methods to Evaluate Near-Infrared Photoinitiating Systems for Photopolymerisation Reactions Assisted By Upconversion Materials. <i>ChemPhotoChem</i> , 2021 , 5, 915	3.3	3
81	Phenacyl Phenothiazinium Salt as a New Broad-Wavelength-Absorbing Photoinitiator for Cationic and Free Radical Polymerizations. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16917-16921	16.4	11
80	A new anthraquinone derivative as a near UV and visible light photoinitiator for free-radical, thiolene and cationic polymerizations. <i>Polymer Chemistry</i> , 2021 , 12, 3299-3306	4.9	4
79	Preparation of dual-chamber microcapsule by Pickering emulsion for self-healing application with ultra-high healing efficiency. <i>Journal of Colloid and Interface Science</i> , 2021 , 600, 660-669	9.3	10
78	Photopolymerization of Macroscale Black 3D Objects Using Near-Infrared Photochemistry. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 58287-58294	9.5	17
77	Chemiluminescence Induced Cationic Photopolymerization Using Sulfonium Salt. <i>ACS Macro Letters</i> , 2020 , 9, 471-475	6.6	8
76	Chemiluminescence-Induced Free Radical-Promoted Cationic Polymerization. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000004	4.8	8
75	Synthesis of Temperature/pH Dual-Stimuli-Response Multicompartmental Microcapsules via Pickering Emulsion for Preprogrammable Payload Release. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4821-4832	9.5	36
74	3D printing of multi-scalable structures via high penetration near-infrared photopolymerization. <i>Nature Communications</i> , 2020 , 11, 3462	17.4	56
73	Synthesis of Vanillin-Based Polyimine Vitrimers with Excellent Reprocessability, Fast Chemical Degradability, and Adhesion. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 5716-5725	4.3	21
72	Synthesis of inhibitor-loaded polyaniline microcapsules with dual anti-corrosion functions for protection of carbon steel. <i>Electrochimica Acta</i> , 2020 , 364, 137299	6.7	23
71	Readily recyclable, high-performance thermosetting materials based on a lignin-derived spiro diacetal trigger. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1233-1243	13	78
70	Hollow particles templated from Pickering emulsion with high thermal stability and solvent resistance: Young investigator perspective. <i>Journal of Colloid and Interface Science</i> , 2019 , 542, 144-150	9.3	2

69	Antimicrobial Thiol-ene-acrylate Photosensitive Resins for DLP 3D Printing. <i>Photochemistry and Photobiology</i> , 2019 , 95, 1219-1229	3.6	18
68	Synthesis and properties of UV-curable cardanol-based acrylate oligomers with cyclotriphosphazene core 2019 , 16, 179-188		7
67	Highly efficient dandelion-like near-infrared light photoinitiator for free radical and thiol-ene photopolymerizations. <i>Nature Communications</i> , 2019 , 10, 3560	17.4	60
66	Sustainable valorization of lignin with levulinic acid and its application in polyimine thermosets. <i>Green Chemistry</i> , 2019 , 21, 4964-4970	10	23
65	Cleavable Unimolecular Photoinitiators Based on Oxime-Ester Chemistry for Two-Photon Three-Dimensional Printing. <i>ChemPhotoChem</i> , 2019 , 3, 1090-1094	3.3	27
64	Near-infrared light induced cationic polymerization based on upconversion and ferrocenium photochemistry. <i>Polymer Chemistry</i> , 2019 , 10, 5574-5577	4.9	22
63	Conjugated Ketocarbazoles as Efficient Photoinitiators: From Facile Synthesis to Efficient Two-photon Polymerization. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2019 , 32, 257-264	0.7	5
62	Hollow Microcapsules with Controlled Mechanical Properties Templated from Pickering Emulsion Droplets. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1800395	2.6	6
61	Efficient photopolymerization of thick pigmented systems using upconversion nanoparticles-assisted photochemistry. <i>Journal of Polymer Science Part A</i> , 2018 , 56, 994-1002	2.5	32
60	Novel Star Polymers as Chemically Amplified Positive-Tone Photoresists for KrF Lithography Applications. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 6790-6796	3.9	3
59	Photo-sensitive bio-based copolymer containing cholic acids: novel functional materials for 248nm photoresist. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	3
58	Preparation and Properties of Aqueous SCNTs Dispersion based on A UV-curable Polymeric Dispersant. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018 , 33, 485-491	1	1
57	Conjugated Carbazole-Based Schiff Bases as Photoinitiators: From Facile Synthesis to Efficient Two-Photon Polymerization. <i>Journal of Polymer Science Part A</i> , 2018 , 56, 2692-2700	2.5	19
56	Highly stable thiol-ene systems: from their structure-property relationship to DLP 3D printing. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 11561-11568	7.1	45
55	Stiff Self-Healing Coating Based on UV-Curable Polyurethane with a "Hard Core, Flexible Arm" Structure. <i>ACS Omega</i> , 2018 , 3, 11128-11135	3.9	18
54	Efficient unimolecular photoinitiators for simultaneous hybrid thiol-ene-epoxy photopolymerization under visible LED light irradiation. <i>Polymer Chemistry</i> , 2017 , 8, 1579-1588	4.9	21
53	Noncovalent functionalization of carbon nanotube using poly(vinylcarbazole)-based compatibilizer for reinforcement and conductivity improvement in epoxy composite. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	17
52	Novel one-component molecular glass photoresist based on cyclotriphosphazene containing t-butyloxy carbonyl group for i-line lithography. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	1

51	A nanocomposite consisting of carbon nanotubes and gold nanoparticles in an amphiphilic copolymer for voltammetric determination of dopamine, paracetamol and uric acid. <i>Mikrochimica Acta</i> , 2017 , 184, 1739-1745	5.8	28
50	One-pot synthesis of molecular glass photoresists based on β -cyclodextrin containing a t-butyloxy carbonyl group for i-line lithography. <i>Polymer Bulletin</i> , 2017 , 74, 1091-1101	2.4	2
49	Silyl-based initiators for two-photon polymerization: from facile synthesis to quantitative structure-activity relationship analysis. <i>Polymer Chemistry</i> , 2017 , 8, 6644-6653	4.9	11
48	Synthesis of novel copolymer based on precipitation polymerization and its application in positive-tone photoresist. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	4
47	Novel partially bio-based fluorinated polyimides from dimer fatty diamine for UV-cured coating 2017 , 14, 1325-1334		4
46	Synthesis of fluorinated polycarbonate-based polyurethane acrylate for UV-curable coatings 2017 , 14, 233-241		7
45	Carbanion as a Superbase for Catalyzing Thiol-Epoxy Photopolymerization. <i>Polymers</i> , 2017 , 9,	4.5	10
44	Synthesis of UV-curable polycarbonate diols (PCDL)-based polyurethane acrylate for negative photoresist. <i>Polymer Bulletin</i> , 2016 , 73, 647-659	2.4	12
43	Tannic acid stabilized silver nanoparticles for inkjet printing of conductive flexible electronics. <i>RSC Advances</i> , 2016 , 6, 83720-83729	3.7	23
42	Deep Thiol-ene Photopolymerization Using Upconversion Nanoparticle-assisted Photochemistry. <i>Chemistry Letters</i> , 2016 , 45, 1054-1056	1.7	26
41	Efficient Benzodioxole-based unimolecular photoinitiators: From synthesis to photopolymerization under UV-A and visible LED light irradiation. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	5
40	Bio-based epoxy-anhydride thermosets from six-armed linoleic acid-derived epoxy resin. <i>RSC Advances</i> , 2016 , 6, 52549-52555	3.7	25
39	A glassy carbon electrode modified with an amphiphilic, electroactive and photosensitive polymer and with multi-walled carbon nanotubes for simultaneous determination of dopamine and paracetamol. <i>Mikrochimica Acta</i> , 2016 , 183, 1543-1551	5.8	28
38	Tannic Acid Induced Self-Assembly of Three-Dimensional Graphene with Good Adsorption and Antibacterial Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1404-1413	8.3	168
37	Layer-by-layer inkjet printing SPS:PEDOT NP/RGO composite film for flexible humidity sensors. <i>RSC Advances</i> , 2016 , 6, 113298-113306	3.7	16
36	Extremely deep photopolymerization using upconversion particles as internal lamps. <i>Polymer Chemistry</i> , 2016 , 7, 2457-2463	4.9	83
35	Humidity sensor fabricated by inkjet-printing photosensitive conductive inks PEDOT:PVMA on a paper substrate. <i>RSC Advances</i> , 2016 , 6, 47498-47508	3.7	25
34	Three-dimensional Ag-Tannic acid-graphene as an antibacterial material. <i>New Journal of Chemistry</i> , 2016 , 40, 6332-6339	3.6	16

33	Synthesis of chemically amplified photoresist polymer containing four (Meth)acrylate monomers via RAFT polymerization and its application for KrF lithography. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	4
32	Synthesis of Water-Dispersible Molecularly Imprinted Electroactive Nanoparticles for the Sensitive and Selective Paracetamol Detection. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21028-38	9.5	50
31	Synthesis of novel branched UV-curable methacrylate copolymer and its application in negative photoresist. <i>Polymer Bulletin</i> , 2015 , 72, 523-533	2.4	4
30	UV-Curable Coatings from Multiarmed Cardanol-Based Acrylate Oligomers. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 1313-1320	8.3	91
29	Cardanol-based oligomers with hard core, flexible shell structures: from synthesis to UV curing applications. <i>Green Chemistry</i> , 2015 , 17, 3319-3325	10	37
28	Preparation of surface self-concentration and contact-killing antibacterial coating through UV curing. <i>RSC Advances</i> , 2015 , 5, 34199-34205	3.7	15
27	Pd(OAc) ₂ /S=PPh ₃ accelerated activation of gem-dichloroalkenes for the construction of 3-arylchromones. <i>Chemical Communications</i> , 2015 , 51, 17576-9	5.8	25
26	Reactive copolymer functionalized graphene sheet for enhanced mechanical and thermal properties of epoxy composites. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 2776-2785	2.5	15
25	Tannic acid functionalized graphene hydrogel for entrapping gold nanoparticles with high catalytic performance toward dye reduction. <i>Journal of Hazardous Materials</i> , 2015 , 300, 615-623	12.8	80
24	An Efficient Approach to Prepare Carbon Nanotube-Gold Nanoparticles Nanocomposites Based on Amphiphilic Copolymer Containing Coumarin. <i>Chemistry Letters</i> , 2015 , 44, 1497-1499	1.7	1
23	Thioxanthone acetic acid ammonium salts: highly efficient photobase generators based on photodecarboxylation. <i>RSC Advances</i> , 2015 , 5, 53342-53348	3.7	30
22	Multiwalled carbon nanotubes noncovalently functionalized by electro-active amphiphilic copolymer micelles for selective dopamine detection. <i>RSC Advances</i> , 2015 , 5, 18233-18241	3.7	15
21	Micelle-assisted synthesis of PANI nanoparticles and application as particulate emulsifier. <i>Colloid and Polymer Science</i> , 2014 , 292, 653-660	2.4	8
20	In situ green synthesis of Au nanoparticles onto polydopamine-functionalized graphene for catalytic reduction of nitrophenol. <i>RSC Advances</i> , 2014 , 4, 64816-64824	3.7	79
19	Dispersion of carbon nanotubes in water by self-assembled micelles of branched amphiphilic multifunctional copolymers with photosensitivity and electroactivity. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14481-14492	13	21
18	Synthesis of New Biobased Antibacterial Methacrylates Derived from Tannic Acid and Their Application in UV-Cured Coatings. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 10835-10840	2.9	46
17	Synthesis and properties of UV-curable hyperbranched polyurethane and its application in the negative-type photoresist. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014 , 29, 208-212	1	4
16	Layer-by-layer assembled ionic-liquid functionalized graphene-polyaniline nanocomposite with enhanced electrochemical sensing properties. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4818	7.1	27

15	A facile approach for imprinting protein on the surface of multi-walled carbon nanotubes. <i>Talanta</i> , 2014 , 120, 76-83	6.2	49
14	Micelle-encapsulated multi-wall carbon nanotubes with photosensitive copolymer and its application in the detection of dopamine. <i>Colloid and Polymer Science</i> , 2014 , 292, 153-161	2.4	8
13	Electric-field-induced aggregation of polymeric micelles to construct secondary assembly films. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 2816-2822	2.9	1
12	One-pot synthesis of branched alternating copolymers P(St-alt-MAn) via free radical polymerization in the presence of chain transfer monomer. <i>Polymer Bulletin</i> , 2013 , 70, 1795-1803	2.4	6
11	Layer-by-layer self-assembled hybrid multilayer films based on poly(sodium 4-styrenesulfonate) stabilized graphene with polyaniline and their electrochemical sensing properties. <i>RSC Advances</i> , 2013 , 3, 17866	3.7	32
10	Highly flexible, transparent cellulose composite films used in UV imprint lithography. <i>Cellulose</i> , 2013 , 20, 907-918	5.5	14
9	Photosensitive acrylate copolymer for electrodeposition photoresist. <i>Polymer Science - Series A</i> , 2013 , 55, 225-232	1.2	3
8	One-Pot Synthesis of Benzimidazo[1,2-f]phenanthridines by Cascade Palladium-Catalyzed N-Arylation and Intramolecular C-H Coupling. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 7683-7687	3.2	17
7	Design and synthesis of water-soluble photosensitive β -cyclodextrin and its application in dispersing carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 2588-2593	2.9	3
6	Cross-linked micelles of graftlike block copolymer bearing biodegradable ϵ -caprolactone branches: a novel delivery carrier for paclitaxel. <i>Journal of Materials Chemistry</i> , 2012 , 22, 373-380		35
5	Completely green synthesis of Ag nanoparticles stabilized by soy protein isolate under UV irradiation. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012 , 27, 852-856	1	4
4	Preparation and characterization of carboxylterminated poly (butadiene-co-acrylonitrile) -epoxy resin prepolymers for fusion-bonded-epoxy powder coating. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012 , 27, 694-701	1	8
3	A photosensitive copolymer for UV-curable electrodeposition coatings. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011 , 26, 1098-1102	1	3
2	Synthesis of double-hydrophilic poly(methylacrylic acid)-poly(ethylene glycol)-poly(methylacrylic acid) triblock copolymers and their micelle formation. <i>Polymer International</i> , 2011 , 60, 327-332	3.3	7
1	Synthesis of graphene oxide functionalized by phytic acid for anticorrosive reinforcement of waterborne epoxy coating. <i>Journal of Applied Polymer Science</i> , 51910	2.9	0