

Bowen Dong

List of Publications by Year in descending order

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90
papers

2,793
citations

147566

31
h-index

197535

49
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90
all docs

90
docs citations

90
times ranked

3366
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.2	214
2	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.	5.2	142
3	3D printing of multi-scalable structures via high penetration near-infrared photopolymerization. <i>Nature Communications</i> , 2020, 11, 3462.	5.8	124
4	Extremely deep photopolymerization using upconversion particles as internal lamps. <i>Polymer Chemistry</i> , 2016, 7, 2457-2463.	1.9	116
5	UV-Curable Coatings from Multiarmed Cardanol-Based Acrylate Oligomers. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1313-1320.	3.2	114
6	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.	6.5	104
7	Highly efficient dandelion-like near-infrared light photoinitiator for free radical and thiol-ene photopolymerizations. <i>Nature Communications</i> , 2019, 10, 3560.	5.8	99
8	In situ green synthesis of Au nanoparticles onto polydopamine-functionalized graphene for catalytic reduction of nitrophenol. <i>RSC Advances</i> , 2014, 4, 64816-64824.	1.7	95
9	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.	2.7	80
10	Synthesis of Vanillin-Based Polyimine Vitrimers with Excellent Reprocessability, Fast Chemical Degradability, and Adhesion. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5716-5725.	2.0	72
11	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.	4.0	68
12	Synthesis of inhibitor-loaded polyaniline microcapsules with dual anti-corrosion functions for protection of carbon steel. <i>Electrochimica Acta</i> , 2020, 364, 137299.	2.6	62
13	Synthesis of Water-Dispersible Molecularly Imprinted Electroactive Nanoparticles for the Sensitive and Selective Paracetamol Detection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21028-21038.	4.0	57
14	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.	1.8	56
15	A facile approach for imprinting protein on the surface of multi-walled carbon nanotubes. <i>Talanta</i> , 2014, 120, 76-83.	2.9	52
16	Cardanol-based oligomers with hard core, flexible shell-structures: from synthesis to UV curing applications. <i>Green Chemistry</i> , 2015, 17, 3319-3325.	4.6	46
17	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	46
18	Sustainable valorization of lignin with levulinic acid and its application in polyimine thermosets. <i>Green Chemistry</i> , 2019, 21, 4964-4970.	4.6	43

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19	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.	5.0	42
20	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.	2.5	41
21	Cleavable Unimolecular Photoinitiators Based on Oxime-Ester Chemistry for Two-Photon Three-Dimensional Printing. <i>ChemPhotoChem</i> , 2019, 3, 1090-1094.	1.5	40
22	Thioxanthone acetic acid ammonium salts: highly efficient photobase generators based on photodecarboxylation. <i>RSC Advances</i> , 2015, 5, 53342-53348.	1.7	39
23	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.	2.5	36
24	Cross-linked micelles of graftlike block copolymer bearing biodegradable μ -caprolactone branches: a novel delivery carrier for paclitaxel. <i>Journal of Materials Chemistry</i> , 2012, 22, 373-380.	6.7	35
25	Antimicrobial Thiol-ene-acrylate Photosensitive Resins for DLP 3D Printing. <i>Photochemistry and Photobiology</i> , 2019, 95, 1219-1229.	1.3	35
26	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.	2.7	34
27	$\text{Pd}(\text{OAc})_2/\text{SiPPH}_3$ accelerated activation of gem-dichloroalkenes for the construction of 3-arylchromones. <i>Chemical Communications</i> , 2015, 51, 17576-17579.	2.2	34
28	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.	1.7	33
29	Deep Thiol-ene Photopolymerization Using Upconversion Nanoparticle-assisted Photochemistry. <i>Chemistry Letters</i> , 2016, 45, 1054-1056.	0.7	33
30	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.	7.2	33
31	Humidity sensor fabricated by inkjet-printing photosensitive conductive inks PEDOT:PVMA on a paper substrate. <i>RSC Advances</i> , 2016, 6, 47498-47508.	1.7	32
32	Tannic acid stabilized silver nanoparticles for inkjet printing of conductive flexible electronics. <i>RSC Advances</i> , 2016, 6, 83720-83729.	1.7	32
33	Photopolymerization of Macroscale Black 3D Objects Using Near-Infrared Photochemistry. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 58287-58294.	4.0	32
34	Bio-based epoxy-anhydride thermosets from six-armed linoleic acid-derived epoxy resin. <i>RSC Advances</i> , 2016, 6, 52549-52555.	1.7	30
35	Efficient unimolecular photoinitiators for simultaneous hybrid thiol-ene-epoxy photopolymerization under visible LED light irradiation. <i>Polymer Chemistry</i> , 2017, 8, 1579-1588.	1.9	29
36	Near-infrared light induced cationic polymerization based on upconversion and ferrocenium photochemistry. <i>Polymer Chemistry</i> , 2019, 10, 5574-5577.	1.9	28

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37	Three-dimensional Ag-tannic acid-graphene as an antibacterial material. <i>New Journal of Chemistry</i> , 2016, 40, 6332-6339.	1.4	27
38	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, .	1.3	24
39	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	24
40	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.	5.2	23
41	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.	1.9	23
42	Stiff Self-Healing Coating Based on UV-Curable Polyurethane with a Hard Core, Flexible Arm Structure. <i>ACS Omega</i> , 2018, 3, 11128-11135.	1.6	22
43	One-Pot Synthesis of Benzimidazo[1,2-f]phenanthridines by Cascade Palladium-Catalyzed Arylation and Intramolecular C-H Coupling. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7683-7687.	1.2	21
44	Layer-by-layer inkjet printing SPS:PEDOT NP/RGO composite film for flexible humidity sensors. <i>RSC Advances</i> , 2016, 6, 113298-113306.	1.7	21
45	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	19
46	Chemiluminescence Induced Cationic Photopolymerization Using Sulfonium Salt. <i>ACS Macro Letters</i> , 2020, 9, 471-475.	2.3	18
47	Preparation of surface self-concentration and contact-killing antibacterial coating through UV curing. <i>RSC Advances</i> , 2015, 5, 34199-34205.	1.7	17
48	Synthesis of UV-curable polycarbonate diols (PCDL)-based polyurethane acrylate for negative photoresist. <i>Polymer Bulletin</i> , 2016, 73, 647-659.	1.7	17
49	Multiwalled carbon nanotubes noncovalently functionalized by electro-active amphiphilic copolymer micelles for selective dopamine detection. <i>RSC Advances</i> , 2015, 5, 18233-18241.	1.7	15
50	Silyl-based initiators for two-photon polymerization: from facile synthesis to quantitative structure-activity relationship analysis. <i>Polymer Chemistry</i> , 2017, 8, 6644-6653.	1.9	15
51	A new anthraquinone derivative as a near UV and visible light photoinitiator for free-radical, thiol-ene and cationic polymerizations. <i>Polymer Chemistry</i> , 2021, 12, 3299-3306.	1.9	15
52	Highly flexible, transparent cellulose composite films used in UV imprint lithography. <i>Cellulose</i> , 2013, 20, 907-918.	2.4	14
53	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.	0.1	14
54	Robust Damage-Reporting Strategy Enabled by Dual-Compartment Microcapsules. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14518-14529.	4.0	14

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55	Carbanion as a Superbase for Catalyzing Thiolâ€“Epoxy Photopolymerization. <i>Polymers</i> , 2017, 9, 400.	2.0	13
56	Fabrication of dual anti-corrosive polyaniline microcapsules <i>via</i> Pickering emulsion for active corrosion protection of steel. <i>Soft Matter</i> , 2022, 18, 2829-2841.	1.2	13
57	Synthesis and properties of UV-curable cardanol-based acrylate oligomers with cyclotriphosphazene core. <i>Journal of Coatings Technology Research</i> , 2019, 16, 179-188.	1.2	11
58	Filling Aggregation-Induced Extinction Mechanism in Near-Infrared Photopolymerization for Gradient and Highly Filled Bulk Materials. <i>Macromolecules</i> , 2022, 55, 2075-2084.	2.2	11
59	Novel partially bio-based fluorinated polyimides from dimer fatty diamine for UV-cured coating. <i>Journal of Coatings Technology Research</i> , 2017, 14, 1325-1334.	1.2	10
60	Synthesis of fluorinated polycarbonate-based polyurethane acrylate for UV-curable coatings. <i>Journal of Coatings Technology Research</i> , 2017, 14, 233-241.	1.2	10
61	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.	5.0	10
62	Chemiluminescenceâ€“Induced Free Radicalâ€“Promoted Cationic Polymerization. <i>Macromolecular Rapid Communications</i> , 2020, 41, 2000004.	2.0	10
63	Methods to Evaluate Nearâ€“Infrared Photoinitiating Systems for Photopolymerisation Reactions Assisted By Upconversion Materials. <i>ChemPhotoChem</i> , 2021, 5, 915-919.	1.5	10
64	Micelle-assisted synthesis of PANI nanoparticles and application as particulate emulsifier. <i>Colloid and Polymer Science</i> , 2014, 292, 653-660.	1.0	9
65	Synthesis of doubleâ€“hydrophilic poly(methylacrylic acid)â€“poly(ethylene glycol)â€“poly(methylacrylic) Tj ETQq1 1.0.784314 rgBT /Ov	1.6	8
66	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.	0.4	8
67	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.	1.0	8
68	Synthesis of novel branched UV-curable methacrylate copolymer and its application in negative photoresist. <i>Polymer Bulletin</i> , 2015, 72, 523-533.	1.7	8
69	Efficient Benzodioxoleâ€“based unimolecular photoinitiators: From synthesis to photopolymerization under <sc>UV</sc>â€“A and visible <sc>LED</sc> light irradiation. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	8
70	Hollow Microcapsules with Controlled Mechanical Properties Templated from Pickering Emulsion Droplets. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800395.	1.1	8
71	Laser Induced Thermal Effect on the Polymerization Behavior in Upconversion Particle Assisted Nearâ€“Infrared Photopolymerization. <i>ChemPhysChem</i> , 2022, 23, .	1.0	8
72	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.	1.7	7

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73	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.	1.7	7
74	Investigation of the Contact Angle and Packing Density of Silica Nanoparticles at a Pickering Emulsion Interface Fixed by UV Polymerization. <i>Langmuir</i> , 2022, 38, 4234-4242.	1.6	7
75	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.	1.2	6
76	Synthesis of novel copolymer based on precipitation polymerization and its application in positive-tone photoresist. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	6
77	Novel Star Polymers as Chemically Amplified Positive-Tone Photoresists for KrF Lithography Applications. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6790-6796.	1.8	6
78	Synthesis of graphene oxide functionalized by phytic acid for anticorrosive reinforcement of waterborne epoxy coating. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51910.	1.3	6
79	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.	0.4	5
80	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.	0.4	5
81	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.	1.2	5
82	A photosensitive copolymer for UV-curable electrodeposition coatings. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 1098-1102.	0.4	4
83	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.	1.3	4
84	Photosensitive acrylate copolymer for electrodeposition photoresist. <i>Polymer Science - Series A</i> , 2013, 55, 225-232.	0.4	3
85	Photo-sensitive bio-based copolymer containing cholic acids: novel functional materials for 248nm photoresist. <i>Journal of Polymer Research</i> , 2018, 25, 1.	1.2	3
86	Electric-field-induced aggregation of polymeric micelles to construct secondary assembly films. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2816-2822.	1.3	2
87	An Efficient Approach to Prepare Carbon Nanotube-Gold Nanoparticles Nanocomposites Based on Amphiphilic Copolymer Containing Coumarin. <i>Chemistry Letters</i> , 2015, 44, 1497-1499.	0.7	1
88	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.	0.4	1
89	Phenacyl Phenothiazinium Salt as a New Broad-Wavelength-Absorbing Photoinitiator for Cationic and Free Radical Polymerizations. <i>Angewandte Chemie</i> , 2021, 133, 17054-17058.	1.6	1
90	Synthesis of a branched photosensitive copolymer and its application for negative-type photoresists. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	0