

Dongya Yang

List of Publications by Citations

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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.

101
papers

1,754
citations

24
h-index

36
g-index

107
ext. papers

2,177
ext. citations

4.2
avg, IF

5.16
L-index

#	Paper	IF	Citations
101	Recyclable biomass carbon@SiO ₂ @MnO ₂ aerogel with hierarchical structures for fast and selective oil-water separation. <i>Chemical Engineering Journal</i> , 2018 , 351, 622-630	14.7	128
100	Sustainable, Flexible, and Superhydrophobic Functionalized Cellulose Aerogel for Selective and Versatile Oil/Water Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 9984-9994	8.3	92
99	The synthesis of hierarchical porous Al ₂ O ₃ /acrylic resin composites as durable, efficient and recyclable absorbents for oil/water separation. <i>Chemical Engineering Journal</i> , 2017 , 309, 522-531	14.7	72
98	Coupling with a narrow-band-gap semiconductor for enhancement of visible-light photocatalytic activity: preparation of Bi ₂ S ₃ /g-C ₃ N ₄ and application for degradation of RhB. <i>RSC Advances</i> , 2015 , 5, 24944-24952	3.7	62
97	Janus ZnO-cellulose/MnO ₂ hybrid membranes with asymmetric wettability for highly-efficient emulsion separations. <i>Cellulose</i> , 2018 , 25, 5951-5965	5.5	57
96	Adsorption Behavior of Azo Dye Eriochrome Black T from Aqueous Solution by β -Cyclodextrins/Polyurethane Foam Material. <i>Polymer-Plastics Technology and Engineering</i> , 2013 , 52, 452-460		51
95	Synthesis of UV-curing waterborne polyurethane-acrylate coating and its photopolymerization kinetics using FT-IR and photo-DSC methods. <i>Progress in Organic Coatings</i> , 2018 , 122, 10-18	4.8	50
94	Preparation, characterization of UV-Curable Waterborne Polyurethane-Acrylate and the application in metal iron surface protection. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 3142-3152	2.9	49
93	Kinetic, isotherm and thermodynamic studies for removal of methyl orange using a novel β -cyclodextrin functionalized graphene oxide-isophorone diisocyanate composites. <i>Chemical Engineering Research and Design</i> , 2016 , 106, 168-177	5.5	46
92	Adsorption behavior of crystal violet from aqueous solutions with chitosan/graphite oxide modified polyurethane as an adsorbent. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	45
91	Preparation, characterization and properties of UV-curable waterborne polyurethane acrylate/SiO ₂ coating 2012 , 9, 503-514		44
90	Superhydrophobic Hierarchical Biomass Carbon Aerogel Assembled with TiO ₂ Nanorods for Selective Immiscible Oil/Water Mixture and Emulsion Separation. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 14758-14766	3.9	43
89	Ag nanoparticles coated cellulose membrane with high infrared reflection, breathability and antibacterial property for human thermal insulation. <i>Journal of Colloid and Interface Science</i> , 2019 , 535, 363-370	9.3	41
88	Enhanced As(V) removal from aqueous solutions by recyclable Cu@MNM composite membranes via synergistic oxidation and absorption. <i>Water Research</i> , 2020 , 168, 115147	12.5	33
87	Fabrication of Single-Layer Graphitic Carbon Nitride and Coupled Systems for the Photocatalytic Degradation of Dyes under Visible-Light Irradiation. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 1359-1367	2.3	30
86	Preparation, mechanical properties of waterborne polyurethane and crosslinked polyurethane-acrylate composite. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 958-968	2.9	28
85	Covalent laccase immobilization on the surface of poly(vinylidene fluoride) polymer membrane for enhanced biocatalytic removal of dyes pollutants from aqueous environment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 191, 111025	6	28

84	Waterborne Polyurethane-Acrylate Containing Different Polyether Polyols: Preparation and Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2012 , 51, 50-57		27
83	Polyurethane-attapulgite porous material: Preparation, characterization, and application for dye adsorption. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 1697-1706	2.9	27
82	Facile fabrication of bifunctional ZIF-L/cellulose composite membrane for efficient removal of tellurium and antibacterial effects. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125888	12.8	27
81	A robust Janus fibrous membrane with switchable infrared radiation properties for potential building thermal management applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8344-8352	13	26
80	Preparation, Morphology and Properties of Waterborne-Polyurethane/Silica. <i>Polymer-Plastics Technology and Engineering</i> , 2011 , 50, 498-508		26
79	Highly dispersive NiCoS nanoparticles anchored on nitrogen-doped carbon nanofibers for efficient hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 294-303	9.3	25
78	Preparation of graphite oxide/polyurethane foam material and its removal application of malachite green from aqueous solution. <i>Journal of Applied Polymer Science</i> , 2014 , 131,	2.9	24
77	Biodiesel production from soybean oil using heterogeneous solid base catalyst. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 988-997	3.5	23
76	Preparation and Application of Polymers as Inhibitors for Calcium Carbonate and Calcium Phosphate Scales. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013 , 62, 323-329		23
75	Fabrication of fluorescent carbon dots-linked isophorone diisocyanate and β -cyclodextrin for detection of chromium ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 179, 163-170	4.4	21
74	Fabrication of Flexible and Superhydrophobic Melamine Sponge with Aligned Copper Nanoparticle Coating for Self-Cleaning and Dual Thermal Management Properties. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 4844-4852	3.9	21
73	Laminated Fibrous Membrane Inspired by Polar Bear Pelt for Outdoor Personal Radiation Management. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12285-12293	9.5	20
72	Preparation, characterization, and properties of environmentally friendly waterborne poly(urethane acrylate)/silica hybrids. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 1683-1695	2.9	20
71	Chiral Azo polyurethane(urea): Preparation, optical properties and low power consumption polymeric thermo-optic switch. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 939-948	2.6	19
70	Synthesis, mechanical properties and iron surface conservation behavior of UV-curable waterborne polyurethane-acrylate coating modified with inorganic carbonate. <i>Polymer Bulletin</i> , 2018 , 75, 4713-4734	2.4	16
69	Preparation and Properties of Graphene Oxide-Modified Waterborne Polyurethane-Acrylate Hybrids. <i>Polymer-Plastics Technology and Engineering</i> , 2014 , 53, 1408-1416		16
68	Transesterification of Soybean Oil to Biodiesel in a Microwave-Assisted Heterogeneous Catalytic System. <i>Chemical Engineering and Technology</i> , 2014 , 37, 283-292	2	16
67	Preparation, thermo-optic property and transmission loss of chiral azobenzene polyurethane. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 2567-2572	2.9	16

66	In-situ fabrication of dynamic and recyclable TiO ₂ coated bacterial cellulose membranes as an efficient hybrid absorbent for tellurium extraction. <i>Cellulose</i> , 2020 , 27, 4591-4608	5.5	15
65	Synthesis, characterization, and thermo-optical properties of azobenzene polyurethane containing chiral units. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 146-151	2.9	15
64	Hierarchical structurized waste brick with opposite wettability for on-demand oil/water separation. <i>Chemosphere</i> , 2020 , 251, 126348	8.4	14
63	Calix[4]arenes functionalized dual-imprinted mesoporous film for the simultaneous selective recovery of lithium and rubidium. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4511	3.1	14
62	Preparation, Characterization and Dye Decolorization Application of Chitosan/Polyurethane Foam Material. <i>Polymer-Plastics Technology and Engineering</i> , 2012 , 51, 754-759		14
61	Fe ₃ O ₄ @chitosan-bound boric acid composite as pH-responsive reusable adsorbent for selective recognition and capture of cis-diol-containing shikimic acid. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5415	3.1	14
60	Preparation of Carbon Nanotubes/Polyurethane Hybrids as a Synergistic Absorbent for Efficient Oil/Water Separation. <i>Fibers and Polymers</i> , 2018 , 19, 2195-2202	2	14
59	Simultaneous adsorption of Li(I) and Rb(I) by dual crown ethers modified magnetic ion imprinting polymers. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4778	3.1	13
58	Mesoporous hollow silicon spheres modified with manganese ion sieve: Preparation and its application for adsorption of lithium and rubidium ions. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4182 ¹	3.1	13
57	Preparation, characterization of nano-silica/fluoroacrylate material and the application in stone surface conservation. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	13
56	Silver carbonate loaded on activated carbon composite photocatalyst with enhanced photocatalytic activity under visible light irradiation. <i>Materials Technology</i> , 2017 , 32, 38-45	2.1	12
55	Efficient removal of As(III) via the synergistic effect of oxidation and absorption by FeOOH@MnO@CAM nano-hybrid adsorption membrane. <i>Chemosphere</i> , 2020 , 258, 127329	8.4	12
54	Scale Inhibitor Copolymer Modified with Oxidized Starch: Synthesis and Performance on Scale Inhibition. <i>Polymer-Plastics Technology and Engineering</i> , 2013 , 52, 261-267		12
53	Optically Active Polyurethane Containing Asymmetric Center: Preparation, Characterization and Thermo-Optic Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2010 , 49, 1521-1526		12
52	Synthesis of microcrystalline cellulose/TiO ₂ /fluorine/styrene-acrylate coatings and the application for simulated paper cultural relic protection. <i>Cellulose</i> , 2020 , 27, 6549-6562	5.5	11
51	A novel water-soluble chitosan linked fluorescent carbon dots and isophorone diisocyanate fluorescent material toward detection of chromium(VI). <i>Analytical Methods</i> , 2016 , 8, 8554-8565	3.2	11
50	Fabrication of sandwich-structured cellulose composite membranes for switchable infrared radiation. <i>Cellulose</i> , 2019 , 26, 8745-8757	5.5	11
49	Removal of basic fuchsin dye from aqueous solutions using graphite oxide modified aromatic polyurethane foam material. <i>Toxicological and Environmental Chemistry</i> , 2014 , 96, 849-860	1.4	11

48	Preparation, Characterization, and Inhibition Efficiency of Quadripolymer for Use as Scale Inhibitor. <i>International Journal of Polymer Analysis and Characterization</i> , 2012 , 17, 321-332	1.7	11
47	Laminated Cellulose Hybrid Membranes with Triple Thermal Insulation Functions for Personal Thermal Management Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 15936-15945	8.3	11
46	Fabrication of UV-curable waterborne fluorinated polyurethane-acrylate and its application for simulated iron cultural relic protection 2018 , 15, 535-541		10
45	A novel multi-wall carbon nanotubes/poly(n-butylacrylate-co-butyl methacrylate) hybrid resin: synthesis and oil/organic solvents absorption. <i>Fibers and Polymers</i> , 2017 , 18, 1865-1873	2	10
44	Hierarchical Al ₂ O ₃ /SiO ₂ fiber membrane with reversible wettability for on-demand oil/water separation. <i>Korean Journal of Chemical Engineering</i> , 2019 , 36, 92-100	2.8	10
43	Preparation of biomass carbon/polyurethane foams for selective oil/water absorption. <i>Journal of Dispersion Science and Technology</i> , 2020 , 41, 1872-1878	1.5	10
42	Monocomponent Waterborne Polyurethane Adhesives: Influence of the Crosslinking Agent on Their Properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011 , 48, 277-283	2.2	9
41	Hybridization of Al ₂ O ₃ microspheres and acrylic ester resins as a synergistic absorbent for selective oil and organic solvent absorption. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4244	3.1	8
40	Preparation and Properties of Waterborne Polyurethane Containing Hyperbranched Polyester Linkages. <i>Polymer-Plastics Technology and Engineering</i> , 2013 , 52, 614-620		8
39	Synthesis, Photochromism, and Optical Property of a Polymer Containing a Push-Pull Electronic Structure Chromophore and Chirality Skeleton. <i>International Journal of Polymer Analysis and Characterization</i> , 2011 , 16, 36-48	1.7	8
38	Preparation of self-healing acrylic copolymer composite coatings for application in protection of paper cultural relics. <i>Polymer Engineering and Science</i> , 2020 , 60, 288-296	2.3	8
37	Superhydrophobic Stainless-Steel Mesh with Excellent Electrothermal Properties for Efficient Separation of Highly Viscous Water-in-Crude Oil Emulsions. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 17918-17926	3.9	8
36	Heterogeneous Catalyst of Mixed K Compounds/Ca-Al-Graphite Oxide for the Transesterification of Soybean Oil to Biodiesel. <i>Chemical Engineering and Technology</i> , 2015 , 38, 1557-1564	2	7
35	Waste-to-resource strategy to fabricate functionalized material from waste brick. <i>Science of the Total Environment</i> , 2020 , 703, 135032	10.2	7
34	Noval chiral azobenzene-containing polyurethanes: synthesis, optical properties and simulation comparison of two kind of polymeric thermo-optic switches. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	6
33	Preparation and application of fluorinated-siloxane protective surface coating material for stone inscriptions. <i>Journal of Polymer Engineering</i> , 2015 , 35, 511-522	1.4	6
32	UV-curable electromagnetic shielding composite films produced through waterborne polyurethane-acrylate bonded graphene oxide: preparation and effect of different diluents on the properties. <i>E-Polymers</i> , 2014 , 14, 427-440	2.7	6
31	Formulation and Characterization of epoxidized hydroxyl-terminated hyperbranched polyester and its application in waterborne epoxy resin. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	6

30	Multifunctional laminated membranes with adjustable infrared radiation for personal thermal management applications. <i>Cellulose</i> , 2020 , 27, 8471-8483	5.5	6
29	3D hierarchical MnO ₂ aerogels with superhydrophobicity for selective oil/water separation. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e5073	3.1	5
28	Novel Flower-Like ZnO Hybridized with Acrylic Ester Resin for Enhanced Oil Absorption Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 1665-1675		5
27	Dual-template crown ether-functionalized hierarchical porous silica: Preparation and application for adsorption of energy metal lithium. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4114	3.1	5
26	Production of biodiesel from soybean oil catalyzed by attapulgite loaded with C ₄ H ₅ O ₆ KNa catalyst. <i>Korean Journal of Chemical Engineering</i> , 2013 , 30, 1395-1402	2.8	5
25	Application of an inclusion complex for determination of dithianon residues in water and fruits. <i>Toxicological and Environmental Chemistry</i> , 2012 , 94, 1034-1042	1.4	5
24	Preparation of a main-chain azo polyurethane-urea and its application of Y-branch and Mach-Zehnder thermo-optic switch. <i>Polymer Bulletin</i> , 2015 , 72, 323-337	2.4	4
23	Effect of different photoinitiators on the properties of UV-cured electromagnetic shielding composites. <i>Journal of Polymer Engineering</i> , 2015 , 35, 209-222	1.4	4
22	Novel three chiral azobenzene polyurethanes: Preparation, optical properties and simulation comparisons of two different polymeric thermo-optic switches. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2015 , 24, 1550028	0.8	4
21	Preparation, thermo-optic property and simulation of optical switch based on azo benzothiazole polymer. <i>Applied Physics B: Lasers and Optics</i> , 2013 , 111, 93-102	1.9	4
20	Helical Biphenyl Bisazo Polyurethane: Preparation, Characterization and Analysis of Polymeric Thermo-Optic Switch. <i>International Journal of Polymer Analysis and Characterization</i> , 2013 , 18, 40-56	1.7	4
19	Synthesis of Azo Polyurethane-Urea and Investigation of its Thermo-Optic Properties. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016 , 230, 211-229	3.1	4
18	Preparation of polymeric material containing UV absorber for application in paper-based relics protection. <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 536-545	1.5	4
17	Environmentally friendly cleaner water-soluble fluorescent carbon dots coated with chitosan: synthesis and its application for sensitivity determination of Cr(VI) ions. <i>Journal of the Iranian Chemical Society</i> , 2018 , 15, 23-33	2	3
16	Alanine-derivatized β -cyclodextrin bonded silica: structure and adsorption selectivity. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 1360-1369	3.5	3
15	Preparation and characterization of L-phenylalanine-derivatized β -cyclodextrin-bonded silica and its application on chiral separation of alanine acid racemates. <i>Korean Journal of Chemical Engineering</i> , 2013 , 30, 2078-2087	2.8	3
14	Enhancement of oil absorption properties of acrylic ester resin hybridized with well-organized sea urchin-like MnO ₂ . <i>Polymer Composites</i> , 2018 , 39, 4041-4049	3	2
13	Preparation, Characterization of Graphite Oxide Loaded with K ₂ CO ₃ as Heterogeneous Catalyst and Its Transesterification Application. <i>Arabian Journal for Science and Engineering</i> , 2016 , 41, 89-96		2

12	Synthesis, Thermo-Optic Properties, and Polymeric Thermo-Optic Switch Based on Novel Optically Active Polyurethane (Urea). <i>Soft Materials</i> , 2013 , 11, 233-243	1.7	2
11	SYNTHESIS, PHYSICAL PROPERTIES AND POLYMERIC DIGITAL OPTICAL SWITCH OF AZO BENZOTHAZOLE POLYURETHANE-UREA. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2012 , 21, 1250044	0.8	2
10	Hierarchical Porous BiOCl/LDHs Composites Templated from Cotton Fibers for Efficient Removal of Dyes from Aqueous Solution. <i>Fibers and Polymers</i> , 2018 , 19, 697-702	2	1
9	Synthesis, Optical Property, and Simulation of Thermo-Optic Switch of Novel Azopolymer. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013 , 62, 613-619	3	1
8	Waste-to-resource strategy to fabricate wearable Janus membranes derived from corn bracts for application in personal thermal management. <i>Cellulose</i> , 2022 , 29, 1219-1230	5.5	1
7	Ternary metal composite membrane FCMNCM enhances the separation of As(III) in water through the multifunctional cooperation. <i>Chemosphere</i> , 2021 , 267, 129286	8.4	1
6	Fabrication of MnO ₂ Nanowires@Ag/Cellulose Laminated Membranes with Unidirectional Liquid Penetration for Personal Thermal Management Applications. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 17980-17988	3.9	1
5	Preparation of vinyl acetate/acrylate emulsion modified with carboxymethyl cellulose and fluorine for paper relic protection. <i>Journal of Dispersion Science and Technology</i> , 2020 , 1-10	1.5	0
4	Boronate affinity-modified magnetic Cyclodextrin polymer for selective separation and adsorption of shikimic acid. <i>Journal of Materials Science</i> , 2021 , 56, 13043	4.3	0
3	Toxic waste sludge derived hierarchical porous adsorbent for efficient phosphate removal.. <i>Science of the Total Environment</i> , 2022 , 830, 154765	10.2	0
2	Thermo-Optic and Dispersion Properties of Host-Guest Doping Polymer. <i>Arabian Journal for Science and Engineering</i> , 2013 , 38, 77-83		
1	Functionalized brick slag particles with superhydrophobicity for thermal management applications. <i>Journal of Dispersion Science and Technology</i> , 1-9	1.5	