

Dongya Yang

List of Publications by Year in descending order

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106
papers

2,601
citations

185998

28
h-index

233125

45
g-index

107
all docs

107
docs citations

107
times ranked

2474
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	6.6	182
2	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.	3.2	164
3	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.	6.6	100
4	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.	1.9	82
5	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.	1.7	74
6	Janus ZnO-cellulose/MnO ₂ hybrid membranes with asymmetric wettability for highly-efficient emulsion separations. <i>Cellulose</i> , 2018, 25, 5951-5965.	2.4	70
7	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.	5.0	68
8	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.	6.5	67
9	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.	1.8	58
10	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.	1.3	56
11	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.	1.9	55
12	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, .	1.3	55
13	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.	2.7	55
14	Enhanced As(III) removal from aqueous solutions by recyclable Cu@MNM composite membranes via synergistic oxidation and absorption. <i>Water Research</i> , 2020, 168, 115147.	5.3	53
15	Laminated Fibrous Membrane Inspired by Polar Bear Pelt for Outdoor Personal Radiation Management. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12285-12293.	4.0	52
16	Preparation, characterization and properties of UV-curable waterborne polyurethane acrylate/SiO ₂ coating. <i>Journal of Coatings Technology Research</i> , 2012, 9, 503-514.	1.2	51
17	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.	2.5	43
18	Highly dispersive NiCo ₂ S ₄ nanoparticles anchored on nitrogen-doped carbon nanofibers for efficient hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 294-303.	5.0	41

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19	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.	5.2	41
20	Preparation, mechanical properties of waterborne polyurethane and crosslinked polyurethane-acrylate composite. <i>Journal of Applied Polymer Science</i> , 2012, 124, 958-968.	1.3	36
21	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.	1.0	34
22	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.	1.8	33
23	Preparation, Morphology and Properties of Waterborne-Polyurethane/Silica. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 498-508.	1.9	31
24	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, .	1.3	31
25	Waterborne Polyurethane-Acrylate Containing Different Polyether Polyols: Preparation and Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 50-57.	1.9	30
26	Polyurethane-attapulgite porous material: Preparation, characterization, and application for dye adsorption. <i>Journal of Applied Polymer Science</i> , 2013, 129, 1697-1706.	1.3	30
27	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.	1.7	30
28	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.	2.0	29
29	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.	3.2	29
30	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.	1.8	28
31	Biodiesel production from soybean oil using heterogeneous solid base catalyst. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 988-997.	1.6	28
32	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.	2.4	28
33	Preparation, characterization, and properties of environmentally friendly waterborne poly(urethane) Tj ETQq1 1 0.784314 rgBT /Overl	1.3	25
34	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.	1.7	25
35	Preparation of Carbon Nanotubes/Polyurethane Hybrids as a Synergistic Absorbent for Efficient Oil/Water Separation. <i>Fibers and Polymers</i> , 2018, 19, 2195-2202.	1.1	24
36	Fe ₃ O ₄ @chitosan-bound boric acid composite as pH-responsive reusable adsorbent for selective recognition and capture of cis-diols-containing shikimic acid. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5415.	1.7	24

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37	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.	2.4	24
38	Hierarchical structurized waste brick with opposite wettability for on-demand oil/water separation. <i>Chemosphere</i> , 2020, 251, 126348.	4.2	24
39	Teamed Boronate Affinity-Functionalized Zn-MOF/PAN-Derived Molecularly Imprinted Hollow Carbon Electrospinning Nanofibers for Selective Adsorption of Shikimic Acid. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 27294-27308.	4.0	24
40	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.	1.7	23
41	Preparation, characterization of nano-silica/fluoroacrylate material and the application in stone surface conservation. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	22
42	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.	1.7	22
43	Efficient removal of As(Ⅴ) via the synergistic effect of oxidation and absorption by FeOOH@MnO ₂ @CAM nano-hybrid adsorption membrane. <i>Chemosphere</i> , 2020, 258, 127329.	4.2	22
44	Preparation and Properties of Graphene Oxide-Modified Waterborne Polyurethane-Acrylate Hybrids. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1408-1416.	1.9	21
45	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.	1.8	21
46	Hierarchical Coralline-like (NiCo)S ₂ @MoS ₂ Nanowire Arrays to Accelerate H ₂ Release for an Efficient Hydrogen Evolution Reaction. <i>Inorganic Chemistry</i> , 2022, 61, 5352-5362.	1.9	21
47	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.	2.4	19
48	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.	0.6	19
49	Fabrication of sandwich-structured cellulose composite membranes for switchable infrared radiation. <i>Cellulose</i> , 2019, 26, 8745-8757.	2.4	19
50	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.	1.3	18
51	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.	1.1	18
52	Preparation, thermo-optic property and transmission loss of chiral azobenzene polyurethane. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2567-2572.	1.3	17
53	Transesterification of Soybean Oil to Biodiesel in a Microwave-Assisted Heterogeneous Catalytic System. <i>Chemical Engineering and Technology</i> , 2014, 37, 283-292.	0.9	17
54	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.	0.9	16

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55	Scale Inhibitor Copolymer Modified with Oxidized Starch: Synthesis and Performance on Scale Inhibition. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 261-267.	1.9	16
56	Preparation of biomass carbon/polyurethane foams for selective oil/water absorption. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 1872-1878.	1.3	16
57	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.	1.5	16
58	Synthesis, characterization, and thermo-optical properties of azobenzene polyurethane containing chiral units. <i>Journal of Applied Polymer Science</i> , 2010, 115, 146-151.	1.3	15
59	Preparation, Characterization and Dye Decolorization Application of Chitosan/Polyurethane Foam Material. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 754-759.	1.9	15
60	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.	1.7	15
61	Silver carbonate loaded on activated carbon composite photocatalyst with enhanced photocatalytic activity under visible light irradiation. <i>Materials Technology</i> , 2017, 32, 38-45.	1.5	14
62	Fabrication of UV-curable waterborne fluorinated polyurethane-acrylate and its application for simulated iron cultural relic protection. <i>Journal of Coatings Technology Research</i> , 2018, 15, 535-541.	1.2	14
63	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.	1.2	14
64	Multifunctional laminated membranes with adjustable infrared radiation for personal thermal management applications. <i>Cellulose</i> , 2020, 27, 8471-8483.	2.4	14
65	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.	1.2	13
66	Optically Active Polyurethane Containing Asymmetric Center: Preparation, Characterization and Thermo-Optic Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2010, 49, 1521-1526.	1.9	12
67	Waste-to-resource strategy to fabricate functionalized material from waste brick. <i>Science of the Total Environment</i> , 2020, 703, 135032.	3.9	12
68	3D hierarchical MnO ₂ aerogels with superhydrophobicity for selective oil-water separation. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5073.	1.7	11
69	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.	0.9	9
70	Preparation and Properties of Waterborne Polyurethane Containing Hyperbranched Polyester Linkages. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 614-620.	1.9	9
71	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.	1.2	9
72	Boronate affinity-modified magnetic β -cyclodextrin polymer for selective separation and adsorption of shikimic acid. <i>Journal of Materials Science</i> , 2021, 56, 13043.	1.7	9

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73	Dual- β -template crown ether- α -functionalized hierarchical porous silica: Preparation and application for adsorption of energy metal lithium. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4114.	1.7	8
74	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.	1.8	8
75	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.	0.9	7
76	Preparation and application of fluorinated-siloxane protective surface coating material for stone inscriptions. <i>Journal of Polymer Engineering</i> , 2015, 35, 511-522.	0.6	7
77	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.	1.1	7
78	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.	1.9	7
79	Toxic waste sludge derived hierarchical porous adsorbent for efficient phosphate removal. <i>Science of the Total Environment</i> , 2022, 830, 154765.	3.9	7
80	Application of an inclusion complex for determination of dithionon residues in water and fruits. <i>Toxicological and Environmental Chemistry</i> , 2012, 94, 1034-1042.	0.6	6
81	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.	1.3	6
82	Novel 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.	1.2	6
83	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.	2.4	6
84	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.	1.2	5
85	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.	1.2	5
86	Effect of different photoinitiators on the properties of UV-cured electromagnetic shielding composites. <i>Journal of Polymer Engineering</i> , 2015, 35, 209-222.	0.6	5
87	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.	1.2	5
88	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.	0.6	5
89	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.	1.1	4
90	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.	0.9	4

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91	Alanine-derivatized β -cyclodextrin bonded silica: structure and adsorption selectivity. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1360-1369.	1.6	4
92	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.	1.7	4
93	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.	1.1	4
94	Synthesis of Azo Polyurethane-Urea and Investigation of its Thermo-Optic Properties. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 211-229.	1.4	4
95	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.	2.3	4
96	Preparation of vinyl acetate/acrylate emulsion modified with carboxymethyl cellulose and fluorine for paper relic protection. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 804-813.	1.3	3
97	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.	1.1	2
98	Synthesis, Thermo-Optic Properties, and Polymeric Thermo-Optic Switch Based on Novel Optically Active Polyurethane (Urea). <i>Soft Materials</i> , 2013, 11, 233-243.	0.8	2
99	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.	1.1	2
100	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.	1.8	1
101	Ternary metal composite membrane FCMNCM enhances the separation of As(III) in water through the multifunctional cooperation. <i>Chemosphere</i> , 2021, 267, 129286.	4.2	1
102	Preparation, characterization and electro-optic properties of polyimide/SiO ₂ nanohybrid materials. , 2008, , .		0
103	Synthesis and electro-optic property of intercalation polyimide and polyimide/ silica. , 2008, , .		0
104	Thermo-Optic and Dispersion Properties of Host-Guest Doping Polymer. <i>Arabian Journal for Science and Engineering</i> , 2013, 38, 77-83.	1.1	0
105	Preparation, characterization and pH-responsive behavior of polyelectrolyte containing disperse red 19. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
106	Functionalized brick slag particles with superhydrophobicity for thermal management applications. <i>Journal of Dispersion Science and Technology</i> , 0, , 1-9.	1.3	0