

Yongping Bai

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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.

92
papers

1,865
citations

22
h-index

40
g-index

96
ext. papers

2,269
ext. citations

4.8
avg, IF

5.57
L-index

#	Paper	IF	Citations
92	Formation of a carbon fiber/polyhedral oligomeric silsesquioxane/carbon nanotube hybrid reinforcement and its effect on the interfacial properties of carbon fiber/epoxy composites. <i>Carbon</i> , 2011 , 49, 2624-2632	10.4	202
91	Mussel-inspired tailoring of membrane wettability for harsh water treatment. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2650-2657	13	150
90	Chemical recycling of carbon fibers reinforced epoxy resin composites in oxygen in supercritical water. <i>Materials & Design</i> , 2010 , 31, 999-1002		117
89	Interface manipulation of CO ₂ -philic composite membranes containing designed UiO-66 derivatives towards highly efficient CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15064-15073 ¹³	13	113
88	Molecularly soldered covalent organic frameworks for ultrafast precision sieving. <i>Science Advances</i> , 2021 , 7,	14.3	93
87	Biomimetic nanoparticle-engineered superwetable membranes for efficient oil/water separation. <i>Journal of Membrane Science</i> , 2021 , 618, 118525	9.6	91
86	Ultra-facile aqueous synthesis of nanoporous zeolitic imidazolate framework membranes for hydrogen purification and olefin/paraffin separation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10898-10904 ¹³	13	86
85	Biomimetic Silicification on Membrane Surface for Highly Efficient Treatments of Both Oil-in-Water Emulsion and Protein Wastewater. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29982-29991	9.5	73
84	Ultrathin 2D Metal-Organic Framework Nanosheets In situ Interpenetrated by Functional CNTs for Hybrid Energy Storage Device. <i>Nano-Micro Letters</i> , 2020 , 12, 46	19.5	57
83	Penetrating chains mimicking plant root branching to build mechanically robust, ultra-stable CO ₂ -philic membranes for superior carbon capture. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16704-16711 ¹³	13	53
82	Mussel-inspired adhesive and conductive hydrogel with tunable mechanical properties for wearable strain sensors. <i>Journal of Colloid and Interface Science</i> , 2021 , 585, 420-432	9.3	41
81	Using of carbon nanotubes and nano carbon black for electrical conductivity adjustment of pressure-sensitive adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2012 , 36, 20-24	3.4	39
80	Effects of inorganic nano-particles on plasticizers migration of flexible PVC. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 2178-2182	2.9	38
79	Multifunctional Core-Shell Zwitterionic Nanoparticles To Build Robust, Stable Antifouling Membranes via Magnetic-Controlled Surface Segregation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35501-35508	9.5	37
78	Multi-walled carbon nanotubes (MWCNTs) functionalized with amino groups by reacting with supercritical ammonia fluids. <i>Materials Chemistry and Physics</i> , 2009 , 116, 323-326	4.4	36
77	Biodegradable self-adhesive tapes with starch carrier. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 44, 195-199	3.4	30
76	Interface properties of carbon fiber/epoxy resin composite improved by supercritical water and oxygen in supercritical water. <i>Materials & Design</i> , 2010 , 31, 1613-1616		30

75	Ultrasound-responsive ultrathin multiblock copolyamide vesicles. <i>Nanoscale</i> , 2016 , 8, 4922-6	7.7	27
74	A novel approach to graft acrylates onto commercial silicones for release film fabrications by two-step emulsion synthesis. <i>European Polymer Journal</i> , 2008 , 44, 2728-2736	5.2	26
73	Fabrication and characterization of solution cast MWNTs/PEI nanocomposites. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 1879-1886	2.9	25
72	Design Strategies for Polymer Electrolytes with Ether and Carbonate Groups for Solid-State Lithium Metal Batteries. <i>Chemistry of Materials</i> , 2020 , 32, 6811-6830	9.6	25
71	Fluorinated polyurethane based on liquid fluorine elastomer (LFH) synthesis via two-step method: the critical value of thermal resistance and mechanical properties. <i>RSC Advances</i> , 2017 , 7, 30970-30978	3.7	23
70	The functionalization of fluoroelastomers: approaches, properties, and applications. <i>RSC Advances</i> , 2016 , 6, 53730-53748	3.7	17
69	Covalent marriage of multi-walled carbon nanotubes (MWNTs) and β -cyclodextrin (β CD) by silicon coupling reagents. <i>Applied Surface Science</i> , 2011 , 258, 1682-1688	6.7	15
68	Modification of poly(ethylene terephthalate) by copolymerization of plant-derived β -truxillic acid with excellent ultraviolet shielding and mechanical properties. <i>Chemical Engineering Journal</i> , 2019 , 374, 1317-1325	14.7	14
67	Preparation and characterization of fluorinated acrylic pressure sensitive adhesives for low surface energy substrates. <i>Journal of Fluorine Chemistry</i> , 2015 , 180, 103-109	2.1	14
66	Synthesis and characterization of a water-soluble nylon copolyamide. <i>Polymer</i> , 2013 , 54, 4171-4176	3.9	14
65	Mussel-mimetic polymer underwater adhesives with l-Dopa functionality: influencing adhesion properties and simplified operation procedures. <i>Journal of Materials Science</i> , 2020 , 55, 7981-7997	4.3	13
64	Synthesis of monodisperse nanocolloidal microspheres with controlled size by vesicle bilayer templating. <i>Chemical Communications</i> , 2014 , 50, 7363-6	5.8	13
63	Deciphering the mechanism of corona discharge treatment of BOPET film. <i>RSC Advances</i> , 2014 , 4, 21782	3.7	13
62	Synthesis of poly (n-butyl acrylates) by a novel microemulsion polymerization for PSAs applications. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 47, 69-72	3.4	13
61	Hybrid emulsifiers enhancing polymerization stabilities and properties of pressure sensitive adhesives. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 1125-1130	2.9	13
60	Synthesis and properties of soap-free P(2-EHA-BA) emulsion for removable pressure sensitive adhesives. <i>RSC Advances</i> , 2014 , 4, 47708-47713	3.7	12
59	Influence of selected photoinitiators type II on tack, peel adhesion, and shear strength of UV-crosslinked solvent-borne acrylic pressure-sensitive adhesives used for medical applications. <i>Polymer Bulletin</i> , 2012 , 68, 441-452	2.4	12
58	Implementing plant-derived isosorbide and isomannide as comonomers for polyester synthesis: Effects of crystallization properties on optical properties. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45444	2.9	12

57	Studies on Isosorbide-enhanced Biodegradable Poly(ethylene succinate). <i>Chemical Research in Chinese Universities</i> , 2019 , 35, 345-352	2.2	11
56	Novel acrylic pressure-sensitive adhesive (PSA) containing silver particles. <i>Journal of Adhesion Science and Technology</i> , 2013 , 27, 1446-1454	2	11
55	Synthesis and characterization of carborane-containing polyester with excellent thermal and ultrahigh char yield. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	11
54	Quickly self-healing hydrogel at room temperature with high conductivity synthesized through simple free radical polymerization. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47379	2.9	11
53	Highly Stretchable, Ultratough, and Strong Polyesters with Improved Postcrystallization Optical Property Enabled by Dynamic Multiple Hydrogen Bonds. <i>Macromolecules</i> , 2021 , 54, 1254-1266	5.5	11
52	Biodegradable copolyester poly(butylene--isosorbide succinate) as hot-melt adhesives.. <i>RSC Advances</i> , 2019 , 9, 11476-11483	3.7	10
51	One-step, simple, and green synthesis of tin dioxide/graphene nanocomposites and their application to lithium-ion battery anodes. <i>Applied Surface Science</i> , 2014 , 317, 486-489	6.7	10
50	Heat resistance of acrylic pressure-sensitive adhesives based on commercial curing agents and UV/heat curing systems. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47310	2.9	10
49	UV-initiated crosslinking of photoreactive acrylic pressure-sensitive adhesives using excimer-laser. <i>Polymer Bulletin</i> , 2013 , 70, 479-488	2.4	9
48	Synthesis of Aromatic Hyperbranched Polyester (HBPE) and its Use as a Nonmigrating Plasticiser. <i>Australian Journal of Chemistry</i> , 2014 , 67, 22	1.2	9
47	Fabrication of acrylic pressure-sensitive adhesives containing maleimide for heat-resistant adhesive applications. <i>Polymer Bulletin</i> , 2019 , 76, 3093-3112	2.4	9
46	Coating based on the modified chlorinated polypropylene emulsion for promoting printability of biaxially oriented polypropylene film. <i>Journal of Adhesion Science and Technology</i> , 2018 , 32, 50-67	2	8
45	Thermal stability and surface properties of acrylic PSAs modified by hexafluorobutyl acrylate. <i>Journal of Adhesion Science and Technology</i> , 2016 , 30, 300-312	2	8
44	Mechanical and Gas Barrier Properties of Structurally Enhanced Poly(ethylene terephthalate) by Introducing 1,6-Hexylenediamine Unit. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 21872-21880 ⁸	3.9	8
43	Syntheses and properties of the PET-co-PEA copolyester. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 44967	2.9	7
42	Adhesion properties of atactic polypropylene/acrylate blend copolymer and its adhesion mechanism for untreated polypropylene materials. <i>International Journal of Adhesion and Adhesives</i> , 2018 , 80, 7-15	3.4	7
41	Non-isothermal melt-crystallization kinetics of poly (ethylene terephthalate-co-sodium-5-sulfo-iso-phthalate). <i>Thermochimica Acta</i> , 2016 , 645, 43-49	2.9	7
40	New Insight for Solid Sulfide Electrolytes LSIPSI by Using Si/P/S as the Raw Materials and I Doping. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 12930-12937	8.3	7

39	Graft modification of chlorinated polypropylene and coating performance promotion for polypropylene. <i>International Journal of Adhesion and Adhesives</i> , 2014 , 48, 231-237	3.4	7
38	The approaches for promoting PP adhesion based on the surface modification. <i>Journal of Adhesion Science and Technology</i> , 2014 , 28, 454-465	2	7
37	Temperature-dependent decaying mechanism of BOPET corona films. <i>RSC Advances</i> , 2014 , 4, 9803	3.7	7
36	Cellulose nanocomposite modified conductive self-healing hydrogel with enhanced mechanical property. <i>European Polymer Journal</i> , 2021 , 146, 110258	5.2	7
35	Polyacrylate emulsion containing IBOMA for removable pressure sensitive adhesives. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	7
34	Catalytic property of poly(ethylene terephthalate-co-isophthalate) synthesized with a novel Sb/Al bimetallic compound catalyst. <i>RSC Advances</i> , 2016 , 6, 67677-67684	3.7	6
33	"Installation art"-like hierarchical self-assembly of giant polymeric elliptical platelets. <i>Nanoscale</i> , 2017 , 9, 2145-2149	7.7	5
32	CoreShell Composite Synthesized through In Situ Polymerization in Emulsion with High Electrical Conductivity Sensitive to Humidity. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1600423	3.1	5
31	Reversible adhesive based on gallic acid modified acrylate. <i>International Journal of Adhesion and Adhesives</i> , 2019 , 90, 126-131	3.4	5
30	Synthesis and characterizations of a series of water soluble polyamides and their micellization behavior. <i>Polymer</i> , 2019 , 179, 121634	3.9	5
29	A novel porous adhesion material with ink absorbency for digital inkjet printing. <i>RSC Advances</i> , 2015 , 5, 36288-36294	3.7	4
28	Crystallization behavior of poly(ethylene terephthalate-co-neopentyl terephthalate-co-ethylene isophthalate-co-neopentyl isophthalate) copolyester and its application in laminated tin-free steel. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	4
27	The water-dependent decay mechanism of biaxially-oriented corona-treated polyethylene terephthalate films. <i>RSC Advances</i> , 2014 , 4, 54805-54809	3.7	4
26	Preparation and microcosmic structural analysis of recording coating on inkjet printing media. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 5422-7	6.3	4
25	Ultraviolet grafting of styrene and maleic anhydride on polyethylene-terephthalate film. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 285-288	2.9	4
24	Reversible adhesive based on self-repair behavior. <i>Journal of Adhesion Science and Technology</i> , 2021 , 35, 111-132	2	4
23	Considerations of functional fluoropolymer structure in the design of acrylic-fluorine hybrid PSAs: Graft versus telechelic cooligomers. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46038	2.9	4
22	Poly(ethylene terephthalate-co-isophthalate) synthesized via a Sb/Al bimetallic compound catalyst: the effect of the end groups on the properties of polyester. <i>RSC Advances</i> , 2017 , 7, 21780-21789	3.7	2

21	Effect of the B:Zn:HO Molar Ratio on the Properties of Poly(Vinyl Acetate) and Zinc Borate-Based Intumescent Coating Materials Exposed to a Quasi-Real Cellulosic Fire. <i>Polymers</i> , 2020 , 12,	4.5	2
20	The study of improving the compatibility of the blend of TVVM resin and polyester as a non-reactive hot melt adhesive used in OMD technique. <i>Journal of Adhesion Science and Technology</i> , 2019 , 33, 1959-1973	2	2
19	Non-isothermal crystallization kinetics of bio-based poly(butylene-co-isosorbide succinate) (PBIS). <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 1931-1939	4.1	2
18	Fluorinated Polymeric Surfactant with a Pluronic-like Structure and Its Application as a Drug Carrier. <i>ACS Applied Polymer Materials</i> ,	4.3	2
17	Lasting high surface energy co-polyester ionomer and its application in laminated tin-free steel. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45174	2.9	1
16	The Synthesis and Characterization of Carborane-Terminated Polymethyl Methacrylate via ATRP. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 1496-1502	3.2	1
15	Towards new environmentally friendly fluoroelastomers: from facile chemical degradation to efficient photo-crosslinkable reaction. <i>Polymer International</i> , 2019 , 68, 1952-1960	3.3	1
14	In situ synthesis of poly(ethylene terephthalate-co-isophthalate)/BiO ₂ nanocomposites and their optical properties. <i>Polymer Science - Series B</i> , 2017 , 59, 630-638	0.8	1
13	Effects of the cross-linking structures of polyacrylate coating on PET films on oxygen permeability. <i>Polymer Bulletin</i> , 1	2.4	1
12	Polyether fluorinated amphiphilic diblock polymer: Preparation, characterization and application as drug delivery agent. <i>European Polymer Journal</i> , 2021 , 162, 110872	5.2	1
11	Reversible adhesives based on acrylate copolymer modified by caffeic acid containing boroxin. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48703	2.9	1
10	Super stable giant tubes with densely packed multilayer ultrathick membranes self-assembled from amphiphilic polyamide. <i>Chemical Communications</i> , 2020 , 56, 2650-2653	5.8	1
9	Properties of poly(butylene-co-isosorbide succinate) after blown film extrusion. <i>Green Materials</i> , 2020 , 8, 68-78	3.2	1
8	Synthesis of photo-crosslinked hybrid fluoropolymer and its application as releasing coating for silicone pressure-sensitive adhesives. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48322	2.9	1
7	Water-based poly(2-ethylhexyl acrylate-itaconic acid) removable adhesives with frost resistance for digital inkjet printing. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49651	2.9	1
6	Synthesis and properties of poly(ethylene terephthalate) modified with a small amount of 1,10-decanediamine and hydrogen bonds. <i>Journal of Materials Science</i> , 2021 , 56, 4922-4939	4.3	1
5	Fabrication of UV-curable Anti-fouling coating based on fluorinated polyoxetane and long Side-Chain Polysilicone. <i>European Polymer Journal</i> , 2022 , 172, 111227	5.2	1
4	Fabrication of UV/moisture dual curing coatings based on fluorinated polyoxetanes for anti-fouling applications. <i>Progress in Organic Coatings</i> , 2022 , 163, 106656	4.8	0

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| 3 | Oxygen barrier property of synthesized polyacrylate coatings containing inter-chain cross-linking architecture on PET film. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50836 | 2.9 | 0 |
| 2 | Polyacrylate Decorating Poly(ethylene terephthalate) (PET) Film Surface for Boosting Oxygen Barrier Property. <i>Coatings</i> , 2021 , 11, 1451 | 2.9 | |
| 1 | Transition of Ultrathick Polyamide Tubes into Vesicles with Great Stability. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000481 | 4.8 | |