

# Bo-Wen Liu

## List of Publications by Year in descending order

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29  
papers

1,438  
citations

394421

19  
h-index

477307

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29  
all docs

29  
docs citations

29  
times ranked

692  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Flame-Retardant Methods for Polymeric Materials. <i>Advanced Materials</i> , 2022, 34, e2107905.	21.0	209
2	A flame-retardant-free and thermo-cross-linkable copolyester: Flame-retardant and anti-dripping mode of action. <i>Polymer</i> , 2014, 55, 2394-2403.	3.8	124
3	A novel phosphorus-containing semi-aromatic polyester toward flame retardancy and enhanced mechanical properties of epoxy resin. <i>Chemical Engineering Journal</i> , 2020, 380, 122471.	12.7	110
4	Flame-Retardant multifunctional epoxy resin with high performances. <i>Chemical Engineering Journal</i> , 2022, 427, 132031.	12.7	106
5	Hierarchical Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> @ZnO Hollow Spheres with Excellent Microwave Absorption Inspired by the Visual Phenomenon of Eyeless Urchins. <i>Nano-Micro Letters</i> , 2022, 14, 76.	27.0	99
6	Multifunctional Flame-Retardant Melamine-Based Hybrid Foam for Infrared Stealth, Thermal Insulation, and Electromagnetic Interference Shielding. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 26505-26514.	8.0	94
7	Fully biomass-based aerogels with ultrahigh mechanical modulus, enhanced flame retardancy, and great thermal insulation applications. <i>Composites Part B: Engineering</i> , 2021, 225, 109309.	12.0	75
8	Fire-Safe Polyesters Enabled by End-Group Capturing Chemistry. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9188-9193.	13.8	72
9	Carbon Fibers Decorated by Polyelectrolyte Complexes Toward Their Epoxy Resin Composites with High Fire Safety. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 1375-1384.	3.8	54
10	An ultralow-temperature superelastic polymer aerogel with high strength as a great thermal insulator under extreme conditions. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18698-18706.	10.3	49
11	Novel polyamide 6 composites based on Schiff-base containing phosphonate oligomer: High flame retardancy, great processability and mechanical property. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 146, 106423.	7.6	45
12	Novel crosslinkable epoxy resins containing phenylacetylene and azobenzene groups: From thermal crosslinking to flame retardance. <i>Polymer Degradation and Stability</i> , 2015, 122, 66-76.	5.8	42
13	Tailoring Schiff base cross-linking by cyano group toward excellent flame retardancy, anti-dripping and smoke suppression of PET. <i>Polymer</i> , 2018, 153, 78-85.	3.8	40
14	Fully Bio-Based Pressure-Sensitive Adhesives with High Adhesivity Derived from Epoxidized Soybean Oil and Rosin Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13261-13270.	6.7	39
15	Multifunctional protective aerogel with superelasticity over ~196 to 500 °C. <i>Nano Research</i> , 2022, 15, 7797-7805.	10.4	39
16	Toughening Epoxy Resin Using a Liquid Crystalline Elastomer for Versatile Application. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2291-2301.	4.4	32
17	P-doped PANI/AgMWs nano/micro coating towards high-efficiency flame retardancy and electromagnetic interference shielding. <i>Composites Part B: Engineering</i> , 2022, 238, 109944.	12.0	30
18	Eco-friendly synergistic cross-linking flame-retardant strategy with smoke and melt-dripping suppression for condensation polymers. <i>Composites Part B: Engineering</i> , 2021, 211, 108664.	12.0	29

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19	Controlling Cross-Linking Networks with Different Imidazole Accelerators toward High-Performance Epoxidized Soybean Oil-Based Thermosets. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3267-3277.	6.7	28
20	Semi-aromatic polyamides containing fluorenyl pendent toward excellent thermal stability, mechanical properties and dielectric performance. <i>Polymer</i> , 2021, 224, 123757.	3.8	19
21	Effect of biphenyl biimide structure on the thermal stability, flame retardancy and pyrolysis behavior of PET. <i>Polymer Degradation and Stability</i> , 2018, 155, 162-172.	5.8	18
22	Bio-based removable pressure-sensitive adhesives derived from carboxyl-terminated polyricinoleate and epoxidized soybean oil. <i>Chinese Chemical Letters</i> , 2021, 32, 875-879.	9.0	17
23	A sponge heated by electromagnetic induction and solar energy for quick, efficient, and safe cleanup of high-viscosity crude oil spills. <i>Journal of Hazardous Materials</i> , 2022, 436, 129272.	12.4	15
24	Thermally induced end-group-capturing as an eco-friendly and general method for enhancing the fire safety of semi-aromatic polyesters. <i>Polymer</i> , 2021, 218, 123430.	3.8	13
25	Small change, big impact: Simply tailoring the substitution position towards significant improvement of flame retardancy. <i>Composites Part B: Engineering</i> , 2021, 223, 109109.	12.0	13
26	Tuning the Pendent Groups of Semiaromatic Polyamides toward High Performance. <i>Macromolecules</i> , 2020, 53, 3504-3513.	4.8	9
27	Eco-friendly and durable flame-retardant coating for cotton fabrics based on dynamic coordination of Ca <sup>2+</sup> +tannin acid. <i>Progress in Organic Coatings</i> , 2022, 170, 106964.	3.9	9
28	New methods for flame-retarding PET without melt dripping. <i>Chinese Science Bulletin</i> , 2020, 65, 3160-3172.	0.7	7
29	Fire-Safe Polyesters Enabled by End-Group Capturing Chemistry. <i>Angewandte Chemie</i> , 2019, 131, 9286-9291. 2.0	2.0	2