Bo-Wen Liu

List of Publications by Year
in descending order

29	1,438	394421 19	477307 29
papers	citations	h-index	g-index

29	29	29	692
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flame-Retardant multifunctional epoxy resin with high performances. Chemical Engineering Journal, 2022, 427, 132031.	12.7	106
2	Advanced Flameâ€Retardant Methods for Polymeric Materials. Advanced Materials, 2022, 34, e2107905.	21.0	209
3	Hierarchical Ti3C2Tx@ZnO Hollow Spheres with Excellent Microwave Absorption Inspired by the Visual Phenomenon of Eyeless Urchins. Nano-Micro Letters, 2022, 14, 76.	27.0	99
4	P-doped PANI/AgMWs nano/micro coating towards high-efficiency flame retardancy and electromagnetic interference shielding. Composites Part B: Engineering, 2022, 238, 109944.	12.0	30
5	A sponge heated by electromagnetic induction and solar energy for quick, efficient, and safe cleanup of high-viscosity crude oil spills. Journal of Hazardous Materials, 2022, 436, 129272.	12.4	15
6	Eco-friendly and durable flame-retardant coating for cotton fabrics based on dynamic coordination of Ca2+-tannin acid. Progress in Organic Coatings, 2022, 170, 106964.	3.9	9
7	Multifunctional protective aerogel with superelasticity over â˜'196 to 500 Â°C. Nano Research, 2022, 15, 7797-7805.	10.4	39
8	Bio-based removable pressure-sensitive adhesives derived from carboxyl-terminated polyricinoleate and epoxidized soybean oil. Chinese Chemical Letters, 2021, 32, 875-879.	9.0	17
9	Controlling Cross-Linking Networks with Different Imidazole Accelerators toward High-Performance Epoxidized Soybean Oil-Based Thermosets. ACS Sustainable Chemistry and Engineering, 2021, 9, 3267-3277.	6.7	28
10	Thermally induced end-group-capturing as an eco-friendly and general method for enhancing the fire safety of semi-aromatic polyesters. Polymer, 2021, 218, 123430.	3.8	13
11	Eco-friendly synergistic cross-linking flame-retardant strategy with smoke and melt-dripping suppression for condensation polymers. Composites Part B: Engineering, 2021, 211, 108664.	12.0	29
12	Multifunctional Flame-Retardant Melamine-Based Hybrid Foam for Infrared Stealth, Thermal Insulation, and Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2021, 13, 26505-26514.	8.0	94
13	Semi-aromatic polyamides containing fluorenyl pendent toward excellent thermal stability, mechanical properties and dielectric performance. Polymer, 2021, 224, 123757.	3.8	19
14	Novel polyamide 6 composites based on Schiff-base containing phosphonate oligomer: High flame retardancy, great processability and mechanical property. Composites Part A: Applied Science and Manufacturing, 2021, 146, 106423.	7.6	45
15	Small change, big impact: Simply tailoring the substitution position towards significant improvement of flame retardancy. Composites Part B: Engineering, 2021, 223, 109109.	12.0	13
16	Fully biomass-based aerogels with ultrahigh mechanical modulus, enhanced flame retardancy, and great thermal insulation applications. Composites Part B: Engineering, 2021, 225, 109309.	12.0	75
17	A novel phosphorus-containing semi-aromatic polyester toward flame retardancy and enhanced mechanical properties of epoxy resin. Chemical Engineering Journal, 2020, 380, 122471.	12.7	110
18	Fully Bio-Based Pressure-Sensitive Adhesives with High Adhesivity Derived from Epoxidized Soybean Oil and Rosin Acid. ACS Sustainable Chemistry and Engineering, 2020, 8, 13261-13270.	6.7	39

#	Article	IF	Citations
19	An ultralow-temperature superelastic polymer aerogel with high strength as a great thermal insulator under extreme conditions. Journal of Materials Chemistry A, 2020, 8, 18698-18706.	10.3	49
20	Tuning the Pendent Groups of Semiaromatic Polyamides toward High Performance. Macromolecules, 2020, 53, 3504-3513.	4.8	9
21	New methods for flame-retarding PET without melt dripping. Chinese Science Bulletin, 2020, 65, 3160-3172.	0.7	7
22	Toughening Epoxy Resin Using a Liquid Crystalline Elastomer for Versatile Application. ACS Applied Polymer Materials, 2019, 1, 2291-2301.	4.4	32
23	Fireâ€Safe Polyesters Enabled by Endâ€Group Capturing Chemistry. Angewandte Chemie - International Edition, 2019, 58, 9188-9193.	13.8	72
24	Fireâ€Safe Polyesters Enabled by Endâ€Group Capturing Chemistry. Angewandte Chemie, 2019, 131, 9286-9291.	2.0	2
25	Effect of biphenyl biimide structure on the thermal stability, flame retardancy and pyrolysis behavior of PET. Polymer Degradation and Stability, 2018, 155, 162-172.	5.8	18
26	Carbon Fibers Decorated by Polyelectrolyte Complexes Toward Their Epoxy Resin Composites with High Fire Safety. Chinese Journal of Polymer Science (English Edition), 2018, 36, 1375-1384.	3.8	54
27	Tailoring Schiff base cross-linking by cyano group toward excellent flame retardancy, anti-dripping and smoke suppression of PET. Polymer, 2018, 153, 78-85.	3.8	40
28	Novel crosslinkable epoxy resins containing phenylacetylene and azobenzene groups: From thermal crosslinking to flame retardance. Polymer Degradation and Stability, 2015, 122, 66-76.	5.8	42
29	A flame-retardant-free and thermo-cross-linkable copolyester: Flame-retardant and anti-dripping mode of action. Polymer, 2014, 55, 2394-2403.	3.8	124