Songlin Liu

List of Publications by Year
in descending order

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Version: 2024-02-01

26	970	516681 16	610883 24
papers	citations	h-index	g-index

26	26	26	1371
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Addressing Warpage Issue and Reliability Challenge of Fan-out Wafer-Level Packaging (FOWLP). , 2021, , .		2
2	N95 respirator decontamination: a study in reusability. Materials Today Advances, 2021, 11, 100148.	5.2	5
3	Design and development of multilayer cotton masks via machine learning. Materials Today Advances, 2021, 12, 100178.	5.2	4
4	Effect of Thermal Cycling on the Thermal and Mechanical Properties of Dielectric Materials. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 1166-1174.	2.5	4
5	Effect of Boron Nitride Nanosheets on Properties of a Commercial Epoxy Molding Compound Used in Fan-Out Wafer-Level Packaging. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 990-999.	2.5	8
6	Synergistic Toughening of Poly(lactic acid)â€“Cellulose Nanocrystal Composites through Cooperative Effect of Cavitation and Crazing Deformation Mechanisms. ACS Applied Polymer Materials, 2019, 1, 509-518.	4.4	30
7	Green and efficient production of boron nitride nanosheets via oxygen doping-facilitated liquid exfoliation. Ceramics International, 2019, 45, 4909-4917.	4.8	18
8	Package Level Warpage Simulation of Fan-out Wafer Level Package (FOWLP) Considering Viscoelastic Material Properties. , 2018, , .		5
9	Cavitation-crazing transition in rubber toughening of poly(lactic acid)-cellulose nanocrystal composites. Composites Science and Technology, 2018, 168, 12-19.	7.8	32
10	Effect of surface chemistry and morphology of silica on the thermal and mechanical properties of silicone elastomers. Journal of Applied Polymer Science, 2018, 135, 46646.	2.6	27
11	Highly Biodegradable and Tough Polylactic Acidâ€“Cellulose Nanocrystal Composite. ACS Sustainable Chemistry and Engineering, 2017, 5, 3929-3937.	6.7	126
12	High Modulus, Strength, and Toughness Polyurethane Elastomer Based on Unmodified Lignin. ACS Sustainable Chemistry and Engineering, 2017, 5, 7942-7949.	6.7	108
13	Improving the fracture toughness of epoxy with nanosilica-rubber core-shell nanoparticles. Composites Science and Technology, 2016, 125, 132-140.	7.8	82
14	Liquidlike Poly(ethylene glycol) Supported in the Organicâ€“Inorganic Matrix for CO2Removal. Macromolecules, 2011, 44, 5268-5280.	4.8	41
15	Effect of End Groups and Grafting on the CO₂ Separation Performance of Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ove	4.8	46
16	The evolution of poly(hydroxyamide amic acid) to poly(benzoxazole) via stepwise thermal cyclization: Structural changes and gas transport properties. Polymer, 2011, 52, 5127-5138.	3.8	51
17	Silica Nanohybrid Membranes with High CO₂ Affinity for Green Hydrogen Purification. Advanced Energy Materials, 2011, 1, 634-642.	19.5	59
18	Impact fracture behaviour of nylon 6-based ternary nanocomposites. Composites Part B: Engineering, 2010, 41, 67-75.	12.0	41

#	Article	IF	Citations
19	Structural Determination of Extem XH 1015 and Its Gas Permeability Comparison with Polysulfone and Ultem via Molecular Simulation. Industrial & Engineering Chemistry Research, 2010, 49, 12014-12021.	3.7	60
20	Flame retardancy of highly filled polyamide 6/clay nanocomposites. Nanotechnology, 2007, 18, 445602.	2.6	64
21	Fracture toughness of nylon 6/organoclay/elastomer nanocomposites. Composites Science and Technology, 2007, 67, 2914-2923.	7.8	72
22	The Characteristics of Polypropylene Layered-Silicate Nanocomposites. Polymers and Polymer Composites, 2006, 14, 271-279.	1.9	1
23	Study of Rheological Properties of Polypropylene/Organoclay Hybrid Materials. Journal of Nanoscience and Nanotechnology, 2006, 6, 3989-3992.	0.9	1
24	Synthesis of poly(ethylene terephthalate)/clay nanocomposites using aminododecanoic acid-modified clay and a bifunctional compatibilizer. Journal of Applied Polymer Science, 2006, 101, 1057-1064.	2.6	16
25	Poly(ethylene terephthalate)/Clay Nanocomposites Based on Aminododecanoic Acid-Modified Clay: Effect of Compatibilizer Reactivity on Clay Dispersion. Journal of Nanoscience and Nanotechnology, 2006, 6, 3981-3984.	0.9	2
26	Thermal Imidization of the Precursor of a Liquid Crystalline Polyimide. Macromolecular Materials and Engineering, 2002, 287, 931-937.	3.6	65