Shibing Bai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1820258/publications.pdf

Version: 2024-02-01

28	780	430874	501196
papers	citations	18 h-index	28 g-index

29	29	29	857
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using Asphalt as an Additive for Waste Cross-Linked Polyethylene Recycled Materials to Improve Thermoplastic Processing. ACS Omega, 2022, 7, 19113-19121.	3.5	2
2	Decrosslinking Effect of Mechanochemistry on Waste Acrylonitrile Butadiene Rubber/Poly (Vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 526-536.	1.6	3
3	Trash into treasure: stiff, thermally insulating and highly conductive carbon aerogels from leather wastes for high-performance electromagnetic interference shielding. Journal of Materials Chemistry C, 2021, 9, 2298-2310.	5.5	21
4	A oneâ€step method to manufacture biodegradable poly (butylene adipateâ€coâ€terephthalate) bead foam parts. Polymers for Advanced Technologies, 2021, 32, 2007-2019.	3.2	12
5	Production of spherical polymeric composite powder for selective laser sintering via plasma assisted solid state shear milling: From theory to piezoelectric application. Chemical Engineering Journal, 2021, 415, 129035.	12.7	22
6	Novel Application of Mechanochemistry in Waste Epoxy Recycling via Solid-State Shear Milling. ACS Sustainable Chemistry and Engineering, 2021, 9, 11778-11789.	6.7	28
7	Production of sustainable wood-plastic composites from the nonmetals in waste printed circuit boards: Excellent physical performance achieved by solid-state shear milling. Composites Science and Technology, 2020, 200, 108411.	7.8	14
8	Preparation of Ag/C fiber with nanostructure through in situ thermally induced redox reaction between PVA and AgNO 3 and its catalysis for 4â€nitrophenol reduction. Polymers for Advanced Technologies, 2020, 31, 1312-1320.	3.2	2
9	High thermal conductivity polylactic acid composite for 3D printing: Synergistic effect of graphene and alumina. Polymers for Advanced Technologies, 2020, 31, 1291-1299.	3.2	32
10	Preparation of halogenâ€free flameâ€retardant expandable polystyrene foam by suspension polymerization. Journal of Applied Polymer Science, 2019, 136, 47779.	2.6	16
11	Fabrication of Morphologically Controlled Composites with High Thermal Conductivity and Dielectric Performance from Aluminum Nanoflake and Recycled Plastic Package. ACS Applied Materials & Interfaces, 2019, 11, 3388-3399.	8.0	63
12	Structures and properties of waste silicone crossâ€linked polyethylene deâ€crossâ€linked selectively by solidâ€state shear mechanochemical technology. Journal of Vinyl and Additive Technology, 2019, 25, 149-158.	3.4	21
13	Facile preparation of poly(vinyl alcohol)/graphene oxide nanocomposites and their foaming behavior in supercritical carbon dioxide. Composites Part A: Applied Science and Manufacturing, 2018, 107, 675-684.	7.6	23
14	Preparation of composites based on recycled polypropylene and automotive shredder residue. Polymer International, 2018, 67, 936-945.	3.1	14
15	Production of Value-Added Composites from Aluminumâ€“Plastic Package Waste via Solid-State Shear Milling Process. ACS Sustainable Chemistry and Engineering, 2018, 6, 4282-4293.	6.7	31
16	Sustainable packaging biocomposites from polylactic acid and wheat straw: Enhanced physical performance by solid state shear milling process. Composites Science and Technology, 2018, 158, 34-42.	7.8	62
17	Recycling of automotive shredder residue by solid state shear milling technology. Journal of Industrial and Engineering Chemistry, 2018, 57, 143-153.	5.8	33
18	Fabrication of an ultralight flame-induced high conductivity hybrid sponge based on poly (vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	7.0	15

#	Article	IF	Citations
19	High-performance thermal and electrical conductive composites from multilayer plastic packaging waste and expanded graphite. Journal of Materials Chemistry C, 2018, 6, 11209-11218.	5.5	62
20	A novel method to prepare microcellular poly(vinyl alcohol) foam based on thermal processing and supercritical fluid. Polymers for Advanced Technologies, 2017, 28, 285-292.	3.2	18
21	Synergistic effect of expandable graphite and melamine phosphate on flameâ€retardant polystyrene. Journal of Applied Polymer Science, 2017, 134, 45474.	2.6	45
22	Recycling and reuse of waste artificial turf via solid-state shear milling technology. RSC Advances, 2017, 7, 54117-54127.	3.6	7
23	Flameâ€retardant mechanism of expandable polystyrene foam with a macromolecular nitrogenâ€“phosphorus intumescent flame retardant. Journal of Applied Polymer Science, 2017, 134, .	2.6	29
24	Reaction mechanism of thermally-induced electric conduction of poly(vinyl alcohol)â€“silver nitrate hybrid films. RSC Advances, 2016, 6, 56728-56737.	3.6	24
25	Structure and performance of Poly(vinyl alcohol)/wood powder composite prepared by thermal processing and solid state shear milling technology. Composites Part B: Engineering, 2016, 99, 373-380.	12.0	27
26	Morphology, mechanical and thermal oxidative aging properties of HDPE composites reinforced by nonmetals recycled from waste printed circuit boards. Waste Management, 2016, 57, 168-175.	7.4	53
27	Preparation of fine fiberglassâ€resin powders from waste printed circuit boards by different milling methods for reinforcing polypropylene composites. Journal of Applied Polymer Science, 2015, 132, .	2.6	38
28	Fabrication of a high-density polyethylene/graphene composite with high exfoliation and high mechanical performance via solid-state shear milling. RSC Advances, 2015, 5, 93697-93705.	3.6	61