Dongyu Bai

List of Publications by Year
in descending order

21 papers	807 citations	643344 15 h-index	799663 21 g-index
21 all docs	21 docs citations	21 times ranked	794 citing authors

#	Article	IF	Citations
1	Polylactide aerogel with excellent comprehensive performances imparted by stereocomplex crystallization for efficient oil-water separation. Polymer, 2022, 255, 125128.	1.8	11
2	Leather Solid Waste/Poly(vinyl alcohol)/Polyaniline Aerogel with Mechanical Robustness, Flame Retardancy, and Enhanced Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2021, 13, 11332-11343.	4.0	46
3	AgNW/stereocomplex-type polylactide biodegradable conducting film and its application in flexible electronics. Journal of Materials Science: Materials in Electronics, 2021, 32, 6080-6093.	1.1	3
4	Mechanically Robust Flexible Multilayer Aramid Nanofibers and MXene Film for High-Performance Electromagnetic Interference Shielding and Thermal Insulation. Nanomaterials, 2021, 11, 3041.	1.9	9
5	A novel aryl hydrazide nucleator to effectively promote stereocomplex crystallization in high-molecular-weight poly(L-lactide)/poly(D-lactide) blends. Polymer, 2020, 210, 122873.	1.8	28
6	Low-temperature sintering of stereocomplex-type polylactide nascent powder: The role of poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 T 210, 123031.	1.8	15
7	Biodegradable, Flexible, and Transparent Conducting Silver Nanowires/Polylactide Film with High Performance for Optoelectronic Devices. Polymers, 2020, 12, 604.	2.0	18
8	Carbon Black from Diesel Soot for Highâ€Performance Wearable Pressure Sensors. Advanced Materials Technologies, 2019, 4, 1900475.	3.0	28
9	A promising strategy for fabricating high-performance stereocomplex-type polylactide products via carbon nanotubes-assisted low-temperature sintering. Polymer, 2019, 162, 50-57.	1.8	30
10	Manipulating the Filler Network Structure and Properties of Polylactide/Carbon Black Nanocomposites with the Aid of Stereocomplex Crystallites. Journal of Physical Chemistry C, 2018, 122, 4232-4240.	1.5	28
11	Towards polylactide/core-shell rubber blends with balanced stiffness and toughness via the formation of rubber particle network with the aid of stereocomplex crystallites. Polymer, 2018, 159, 23-31.	1.8	32
12	Lowâ€Temperature Sintering of Stereocomplexâ€Type Polylactide Nascent Powder: From Compression Molding to Injection Molding. Macromolecular Materials and Engineering, 2018, 303, 1800178.	1.7	14
13	Low-temperature sintering of stereocomplex-type polylactide nascent powder: The role of optical purity in directing the chain interdiffusion and cocrystallization across the particle interfaces. Polymer, 2018, 150, 169-176.	1.8	19
14	Design of high-performance poly(l-lactide)/elastomer blends through anchoring carbon nanotubes at the interface with the aid of stereocomplex crystallization. Polymer, 2017, 108, 38-49.	1.8	41
15	Low-Temperature Sintering of Stereocomplex-Type Polylactide Nascent Powder: Effect of Crystallinity. Macromolecules, 2017, 50, 7611-7619.	2.2	47
16	Recent Advances in Processing of Stereocomplexâ€Type Polylactide. Macromolecular Rapid Communications, 2017, 38, 1700454.	2.0	139
17	Ultrahigh-performance electrospun polylactide membranes with excellent oil/water separation ability via interfacial stereocomplex crystallization. Journal of Materials Chemistry A, 2017, 5, 19729-19737.	5.2	67
18	Powder metallurgy inspired low-temperature fabrication of high-performance stereocomplexed polylactide products with good optical transparency. Scientific Reports, 2016, 6, 20260.	1.6	55

#	Article	IF	Citations
19	Constructing stereocomplex structures at the interface for remarkably accelerating matrix crystallization and enhancing the mechanical properties of poly(<scp>l</scp>-lactide)/multi-walled carbon nanotube nanocomposites. Journal of Materials Chemistry A, 2015, 3, 13835-13847.	5.2	49
20	Towards high-performance poly(<scp>l</scp>-lactide)/elastomer blends with tunable interfacial adhesion and matrix crystallization via constructing stereocomplex crystallites at the interface. RSC Advances, 2014, 4, 49374-49385.	1.7	52
21	Enhancing the melt stability of polylactide stereocomplexes using a solid-state cross-linking strategy during a melt-blending process. Polymer Chemistry, 2014, 5, 5985-5993.	1.9	76