

Xuetao Shi

List of Publications by Year in descending order

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38
papers

1,642
citations

331642

21
h-index

315719

38
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all docs

38
docs citations

38
times ranked

2092
citing authors

#	ARTICLE	IF	CITATIONS
1	The preparation and characterization of polycaprolactone/graphene oxide biocomposite nanofiber scaffolds and their application for directing cell behaviors. <i>Carbon</i> , 2015, 95, 1039-1050.	10.3	213
2	Flexible thermally conductive and electrically insulating silicone rubber composite films with BNNs@Al ₂ O ₃ fillers. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 36-50.	21.1	152
3	Tissue-Engineered Trachea Consisting of Electrospun Patterned sc-PLA/GO-g-IL Fibrous Membranes with Antibacterial Property and 3D-Printed Skeletons with Elasticity. <i>Biomacromolecules</i> , 2019, 20, 1765-1776.	5.4	104
4	Synergistic Effects of Nucleating Agents and Plasticizers on the Crystallization Behavior of Poly(lactic acid). <i>Molecules</i> , 2015, 20, 1579-1593.	3.8	96
5	Highly expansive, thermally insulating epoxy/Ag nanosheet composite foam for electromagnetic interference shielding. <i>Chemical Engineering Journal</i> , 2019, 372, 191-202.	12.7	86
6	Fabrication of microcellular polycarbonate foams with unimodal or bimodal cell-size distributions using supercritical carbon dioxide as a blowing agent. <i>Journal of Cellular Plastics</i> , 2014, 50, 55-79.	2.4	84
7	Significant Reduction of Interfacial Thermal Resistance and Phonon Scattering in Graphene/Polyimide Thermally Conductive Composite Films for Thermal Management. <i>Research</i> , 2021, 2021, 8438614.	5.7	82
8	Design of a self-healing and flame-retardant cyclotriphosphazene-based epoxy vitrimer. <i>Journal of Materials Science</i> , 2018, 53, 7030-7047.	3.7	77
9	Study on foamability and electromagnetic interference shielding effectiveness of supercritical CO ₂ foaming epoxy/rubber/MWCNTs composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 121, 64-73.	7.6	77
10	Introduction of stereocomplex crystallites of PLA for the solid and microcellular poly(lactide)/poly(butylene adipate-co-terephthalate) blends. <i>RSC Advances</i> , 2018, 8, 11850-11861.	3.6	50
11	Formation, structure and promoting crystallization capacity of stereocomplex crystallite network in the poly(lactide) blends based on linear PLLA and PDLA with different structures. <i>Polymer</i> , 2016, 92, 210-221.	3.8	48
12	Microcellular foaming of polylactide and poly(butylene adipate-co-terephthalate) blends and their CaCO ₃ reinforced nanocomposites using supercritical carbon dioxide. <i>Polymers for Advanced Technologies</i> , 2016, 27, 550-560.	3.2	44
13	rGO/MXene sandwich-structured film at spunlace non-woven fabric substrate: Application to EMI shielding and electrical heating. <i>Journal of Colloid and Interface Science</i> , 2022, 614, 194-204.	9.4	44
14	Influence of PLA stereocomplex crystals and thermal treatment temperature on the rheology and crystallization behavior of asymmetric poly(L-Lactide)/poly(D-lactide) blends. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	37
15	Multilevel structural stereocomplex polylactic acid/collagen membranes by pattern electrospinning for tissue engineering. <i>Polymer</i> , 2018, 156, 250-260.	3.8	35
16	Nanoengineered electrospun fibers and their biomedical applications: a review. <i>Nanocomposites</i> , 2021, 7, 1-34.	4.2	35
17	Preparation of open-porous stereocomplex PLA/PBAT scaffolds and correlation between their morphology, mechanical behavior, and cell compatibility. <i>RSC Advances</i> , 2018, 8, 12933-12943.	3.6	30
18	Crystallization, rheology behavior, and antibacterial application of graphene oxide-graft-poly (l) Tj ETQq0 0 0 rgBT/Overlock, 10 Tf 50 6	6.1	30

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19	Rheology and crystallization behavior of PLLA/TiO ₂ -g-PDLA composites. <i>Polymers for Advanced Technologies</i> , 2015, 26, 528-537.	3.2	29
20	Synthesis and properties of poly(lactide)/poly(μ -caprolactone) multiblock supramolecular polymers bonded by the self-complementary quadruple hydrogen bonding. <i>Polymer</i> , 2017, 121, 124-136.	3.8	22
21	Preparation and adsorption properties of a novel superabsorbent based on multiwalled carbon nanotubes-xylan composite and poly(methacrylic acid) for methylene blue from aqueous solution. <i>Polymer Composites</i> , 2014, 35, 1516-1528.	4.6	21
22	Investigation of poly(lactide) stereocomplexation between linear poly(L-lactide) and PDLA-PEG-PDLA triblock copolymer. <i>Polymer International</i> , 2015, 64, 1399-1407.	3.1	21
23	Synthesis, stereocomplex crystallization and properties of poly(L-lactide)/four-armed star poly(D-lactide) functionalized carbon nanotubes nanocomposites. <i>Polymers for Advanced Technologies</i> , 2015, 26, 223-233.	3.2	20
24	Competitive Stereocomplexation and Homocrystallization Behaviors in the Poly(lactide) Blends of PLLA and PDLA-PEG-PDLA with Controlled Block Length. <i>Polymers</i> , 2017, 9, 107.	4.5	20
25	Influence of Polylactide (PLA) Stereocomplexation on the Microstructure of PLA/PBS Blends and the Cell Morphology of Their Microcellular Foams. <i>Polymers</i> , 2020, 12, 2362.	4.5	20
26	Origami meets electrospinning: a new strategy for 3D nanofiber scaffolds. <i>Bio-Design and Manufacturing</i> , 2018, 1, 254-264.	7.7	19
27	Assembling of electrospun meshes into three-dimensional porous scaffolds for bone repair. <i>Biofabrication</i> , 2017, 9, 015018.	7.1	18
28	Effect of poly(butylene succinate) on the microcellular foaming of polylactide using supercritical carbon dioxide. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	18
29	Fabrication of rigid polyimide foams via thermal foaming of nadimide-end-capped polyester-amine precursor. <i>Polymer Bulletin</i> , 2020, 77, 5899-5912.	3.3	17
30	Synthesis and properties of biodegradable supramolecular polymers based on poly(lactide)- <i>block</i> -poly(γ -valerolactone)- <i>block</i> -poly(lactide) triblock copolymers. <i>Polymer International</i> , 2017, 66, 1487-1497.	3.1	16
31	Microcellular foams of glass-fiber reinforced poly(phenylene sulfide) composites generated using supercritical carbon dioxide. <i>Polymer Composites</i> , 2016, 37, 2527-2540.	4.6	15
32	MMP-2 sensitive poly(malic acid) micelles stabilized by π - π stacking enable high drug loading capacity. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8527-8535.	5.8	14
33	3D-Printed Polyurethane Tissue Engineering Scaffold with Hierarchical Microcellular Foam Structure and Antibacterial Properties. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	13
34	Fully bio-based poly(ϵ -caprolactone)/poly(lactide) alternating multiblock supramolecular polymers: Synthesis, crystallization behavior, and properties. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45575.	2.6	12
35	Poly(L-lactide)/four-armed star poly(L-lactide)-grafted multiwalled carbon nanotubes nanocomposites: Preparation, rheology, crystallization, and mechanical properties. <i>Polymer Composites</i> , 2016, 37, 2744-2755.	4.6	8
36	High thermal conductivity of liquid crystalline monomer-poly(vinyl alcohol) dispersion films containing microscopic ordered structure. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49791.	2.6	7

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37	Crystallization and Properties of Poly(lactide)/Poly(ϵ -valerolactone) Alternating Supramolecular Copolymers Adjusted by Stereocomplexation. ACS Omega, 2019, 4, 11145-11151.	3.5	5
38	Synthesis and characterization of Fe_3O_4 /poly(lactide-co-glycolide) composite and its coating effects on magnesium alloy. Polymer Composites, 2016, 37, 1369-1374.	4.6	3