

# Xuetao Shi

## List of Publications by Year in descending order

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38  
papers

1,642  
citations

377584

21  
h-index

355658

38  
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38  
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38  
docs citations

38  
times ranked

2338  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D-Printed Polyurethane Tissue-Engineering Scaffold with Hierarchical Microcellular Foam Structure and Antibacterial Properties. <i>Advanced Engineering Materials</i> , 2022, 24, .	1.6	13
2	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.	5.0	44
3	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.	1.3	7
4	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.	2.8	82
5	Flexible thermally conductive and electrically insulating silicone rubber composite films with BNNS@Al <sub>2</sub> O <sub>3</sub> fillers. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 36-50.	9.9	152
6	Nanoengineered electrospun fibers and their biomedical applications: a review. <i>Nanocomposites</i> , 2021, 7, 1-34.	2.2	35
7	MMP-2 sensitive poly(malic acid) micelles stabilized by $\pi$ - $\pi$ stacking enable high drug loading capacity. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8527-8535.	2.9	14
8	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.	2.0	20
9	Fabrication of rigid polyimide foams via thermal foaming of nadimide-end-capped polyester-amine precursor. <i>Polymer Bulletin</i> , 2020, 77, 5899-5912.	1.7	17
10	Crystallization and Properties of Poly(lactide)/Poly( $\gamma$ -valerolactone) Alternating Supramolecular Copolymers Adjusted by Stereocomplexation. <i>ACS Omega</i> , 2019, 4, 11145-11151.	1.6	5
11	Highly expansive, thermally insulating epoxy/Ag nanosheet composite foam for electromagnetic interference shielding. <i>Chemical Engineering Journal</i> , 2019, 372, 191-202.	6.6	86
12	Study on foamability and electromagnetic interference shielding effectiveness of supercritical CO <sub>2</sub> foaming epoxy/rubber/MWCNTs composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 121, 64-73.	3.8	77
13	Tissue-Engineered Trachea Consisting of Electrospun Patterned sc-PLA/GO-g-L Fibrous Membranes with Antibacterial Property and 3D-Printed Skeletons with Elasticity. <i>Biomacromolecules</i> , 2019, 20, 1765-1776.	2.6	104
14	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.	1.7	30
15	Design of a self-healing and flame-retardant cyclotriphosphazene-based epoxy vitrimer. <i>Journal of Materials Science</i> , 2018, 53, 7030-7047.	1.7	77
16	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.	1.7	50
17	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.	1.2	37
18	Origami meets electrospinning: a new strategy for 3D nanofiber scaffolds. <i>Bio-Design and Manufacturing</i> , 2018, 1, 254-264.	3.9	19

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19	Multilevel structural stereocomplex polylactic acid/collagen membranes by pattern electrospinning for tissue engineering. <i>Polymer</i> , 2018, 156, 250-260.	1.8	35
20	Effect of poly(butylenes succinate) on the microcellular foaming of polylactide using supercritical carbon dioxide. <i>Journal of Polymer Research</i> , 2018, 25, 1.	1.2	18
21	Crystallization, rheology behavior, and antibacterial application of graphene oxide-graft-poly (l) Tj ETQq1 1 0.784314 rgBT /Overlock	3.1	30
22	Assembling of electrospun meshes into three-dimensional porous scaffolds for bone repair. <i>Biofabrication</i> , 2017, 9, 015018.	3.7	18
23	Synthesis and properties of biodegradable supramolecular polymers based on polylactide- <i>block</i> -poly( <i>l</i> -valerolactone)- <i>block</i> -polylactide triblock copolymers. <i>Polymer International</i> , 2017, 66, 1487-1497.	1.6	16
24	Synthesis and properties of poly(lactide)/poly( $\mu$ -caprolactone) multiblock supramolecular polymers bonded by the self-complementary quadruple hydrogen bonding. <i>Polymer</i> , 2017, 121, 124-136.	1.8	22
25	Fully bio-based poly( $\epsilon$ -caprolactone)/poly(lactide) alternating multiblock supramolecular polymers: Synthesis, crystallization behavior, and properties. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45575.	1.3	12
26	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.	2.0	20
27	Synthesis and characterization of $\text{F}_3\text{O}_4$ /poly(lactide-co-glycolide) composite and its coating effects on magnesium alloy. <i>Polymer Composites</i> , 2016, 37, 1369-1374.	2.3	3
28	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.	1.8	48
29	Microcellular foaming of polylactide and poly(butylene adipate-co-terphthalate) blends and their $\text{CaCO}_3$ reinforced nanocomposites using supercritical carbon dioxide. <i>Polymers for Advanced Technologies</i> , 2016, 27, 550-560.	1.6	44
30	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.	2.3	8
31	Microcellular foams of glass-fiber reinforced poly(phenylene sulfide) composites generated using supercritical carbon dioxide. <i>Polymer Composites</i> , 2016, 37, 2527-2540.	2.3	15
32	Synthesis, stereocomplex crystallization and properties of poly( <i>l</i> -lactide)/four-armed star poly( <i>d</i> -lactide) functionalized carbon nanotubes nanocomposites. <i>Polymers for Advanced Technologies</i> , 2015, 26, 223-233.	1.6	20
33	Investigation of poly(lactide) stereocomplexation between linear poly( <i>L</i> -lactide) and $\text{PDLA-PEG-PDLA}$ triblock copolymer. <i>Polymer International</i> , 2015, 64, 1399-1407.	1.6	21
34	Synergistic Effects of Nucleating Agents and Plasticizers on the Crystallization Behavior of Poly(lactic acid). <i>Molecules</i> , 2015, 20, 1579-1593.	1.7	96
35	Rheology and crystallization behavior of $\text{PLLA/TiO}_2$ - $\text{g-PDLA}$ composites. <i>Polymers for Advanced Technologies</i> , 2015, 26, 528-537.	1.6	29
36	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.	5.4	213

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37	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.	2.3	21
38	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.	1.2	84