

Xiu-Qin Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6552755/publications.pdf>

Version: 2024-02-01

38
papers

1,038
citations

516681

16
h-index

414395

32
g-index

38
all docs

38
docs citations

38
times ranked

1183
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Crystallization: Towards High-Performance Poly(lactic acid). <i>Advanced Materials</i> , 2014, 26, 6905-6911.	21.0	207
2	Intumescent multilayer hybrid coating for flame retardant cotton fabrics based on layer-by-layer assembly and sol-gel process. <i>RSC Advances</i> , 2015, 5, 10647-10655.	3.6	107
3	Reversible Lamellar Thickening Induced by Crystal Transition in Poly(butylene succinate). <i>Macromolecules</i> , 2012, 45, 5487-5493.	4.8	83
4	Temperature dependence of crystalline transition of highly-oriented poly(l-lactide)/poly(d-lactide) blend: In-situ synchrotron X-ray scattering study. <i>Polymer</i> , 2013, 54, 964-971.	3.8	75
5	Effect of mesophase separation and crystallization on the elastomeric behavior of olefin multi-block copolymers. <i>Polymer</i> , 2011, 52, 5221-5230.	3.8	62
6	Epitaxy-Induced Crystallization of Olefin Block Copolymers. <i>Macromolecules</i> , 2012, 45, 5979-5985.	4.8	42
7	Hydrophilic and Antibacterial Modification of Poly(lactic acid) Films by γ -ray Irradiation. <i>ACS Omega</i> , 2019, 4, 21439-21445.	3.5	37
8	Nucleation of Poly(lactide) on the Surface of Different Fibers. <i>Macromolecules</i> , 2019, 52, 6274-6284.	4.8	35
9	The inexistence of epitaxial relationship between stereocomplex and β crystal of poly(lactic acid): Direct experimental evidence. <i>Polymer</i> , 2013, 54, 1923-1929.	3.8	33
10	Effect of nucleating agents on the strain-induced crystallization of poly(l-lactide). <i>Polymer</i> , 2015, 65, 223-232.	3.8	33
11	Effect of nucleating agents on the crystallization behavior and heat resistance of poly(l-lactide). <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	28
12	Facile fabrication of hybrid PA6-decorated TiO ₂ fabrics with excellent photocatalytic, anti-bacterial, UV light-shielding, and super hydrophobic properties. <i>RSC Advances</i> , 2017, 7, 52375-52381.	3.6	20
13	Janus membrane with novel directional water transport capacity for efficient atmospheric water capture. <i>Nanoscale</i> , 2021, 13, 9354-9363.	5.6	19
14	Uniaxial and Mixed Orientations of Poly(ethylene oxide) in Nanoporous Alumina Studied by X-ray Pole Figure Analysis. <i>Macromolecules</i> , 2018, 51, 9484-9493.	4.8	18
15	Novel Janus Fibrous Membranes with Enhanced Directional Water Vapor Transmission. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3302.	2.5	18
16	Role of caged bicyclic pentaerythritol phosphate alcohol in flame retardancy of PA6 and mechanism study. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46236.	2.6	17
17	One-Pot Hydrothermal Preparation of Fe ₃ O ₄ Decorated Graphene for Microwave Absorption. <i>Materials</i> , 2020, 13, 3065.	2.9	17
18	Inkjet Printing of a Micro/Nanopatterned Surface to Serve as Microreactor Arrays. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30962-30971.	8.0	16

#	ARTICLE	IF	CITATIONS
19	Formation of stereocomplex in enantiomeric poly(lactide)s via recrystallization of homocrystals: An in-situ X-ray scattering study. <i>European Polymer Journal</i> , 2016, 82, 46-56.	5.4	14
20	Cross-Links“Entanglements Integrated Networks Contributing to Highly Resilient, Soft, and Self-Adhesive Elastomers with Low Hysteresis for Green Wearable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16631-16640.	8.0	14
21	Facile Fabrication of Multi-Structured SiO ₂ @PVDF-HFP Nanofibrous Membranes for Enhanced Copper Ions Adsorption. <i>Polymers</i> , 2018, 10, 1385.	4.5	13
22	Fabrication and properties of poly(lactide) nanofibers via blend sea-island melt spinning. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	12
23	Janus Membrane Decorated by MXene Multilayered Nanoflakes for Wet“Thermal Management. <i>ACS Applied Nano Materials</i> , 2022, 5, 7344-7356.	5.0	12
24	Deformation Mechanism of Poly(3-alkylthiophene) Studied by <i>in Situ</i> X-ray Scattering and Texture Analysis. <i>Macromolecules</i> , 2018, 51, 8306-8315.	4.8	11
25	Poly(lactic acid) based Janus membranes with asymmetric wettability for directional moisture transport with enhanced UV protective capabilities. <i>RSC Advances</i> , 2021, 12, 32-41.	3.6	11
26	Effect of stereocomplex crystal and flexible segments on the crystallization and tensile behavior of poly(lactide). <i>RSC Advances</i> , 2018, 8, 28453-28460.	3.6	10
27	Studies of FeSe ₂ Cathode Materials for Mg“Li Hybrid Batteries. <i>Energies</i> , 2020, 13, 4375.	3.1	10
28	Numerical Study on the Effect of Z-Warps on the Ballistic Responses of Para-Aramid 3D Angle-Interlock Fabrics. <i>Materials</i> , 2021, 14, 479.	2.9	9
29	Effect of the melting temperature on the crystallization behavior of a poly(lactide)/poly(d-lactide) equimolar mixture. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	8
30	Study on fracture behavior of PLLA transcrystallization: Effect of crystalline morphology. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	7
31	Structure Mediation and Properties of Poly(l-lactide)/Poly(d-lactide) Blend Fibers. <i>Polymers</i> , 2018, 10, 1353.	4.5	7
32	Radiation-induced synthesis of graphene/ferrites nanocomposites for enhanced microwave-absorbing properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16281-16289.	2.2	7
33	Stress induced reversible crystal transition in polymers. <i>Polymer International</i> , 2015, 64, 951-956.	3.1	6
34	Printing of Carbon Nanotube-Based Temperature and Bending Sensors for High-Temperature-Resistant Intelligent Textiles. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1949-1957.	4.3	6
35	Deformation investigation on iPP/SiO ₂ composites: Influence of stretching temperature and particle size on morphology evolution and crystalline structure of thin films. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013, 31, 275-284.	3.8	5
36	Simultaneously Enhancing the Fire Retardancy and Heat Resistance of Stereo-Complex-Type Poly(lactic Acid). <i>ACS Omega</i> , 2022, 7, 22149-22160.	3.5	4

#	ARTICLE	IF	CITATIONS
37	Structure mediation and ductility enhancement of poly(l-lactide) by random copolymer poly(d-lactide-co- μ -caprolactone). Journal of Polymer Engineering, 2018, 38, 819-826.	1.4	3
38	Three-dimensional crimped biodegradable poly(lactic acid) fibers prepared <i>via</i> melt spinning and controlled structural reorganization. RSC Advances, 2020, 10, 42890-42896.	3.6	2