# Xiu-Qin Zhang

List of Publications by Year
in descending order



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|---|---|---|---|
| 38 papers | 1,038 citations | 516710 16 h-index | 414414 32 g-index |
| 38 all docs | 38 docs citations | 38 times ranked | 1183 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tailoring Crystallization: Towards Highâ€Performance Poly(lactic acid). Advanced Materials, 2014, 26, 6905-6911. | 21.0 | 207 |
| 2 | Intumescent multilayer hybrid coating for flame retardant cotton fabrics based on layer-by-layer assembly and solâ€“gel process. RSC Advances, 2015, 5, 10647-10655. | 3.6 | 107 |
| 3 | Reversible Lamellar Thickening Induced by Crystal Transition in Poly(butylene succinate). Macromolecules, 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. Polymer, 2013, 54, 964-971. | 3.8 | 75 |
| 5 | Effect of mesophase separation and crystallization on the elastomeric behavior of olefin multi-block copolymers. Polymer, 2011, 52, 5221-5230. | 3.8 | 62 |
| 6 | Epitaxy-Induced Crystallization of Olefin Block Copolymers. Macromolecules, 2012, 45, 5979-5985. | 4.8 | 42 |
| 7 | Hydrophilic and Antibacterial Modification of Poly(lactic acid) Films by Î³-ray Irradiation. ACS Omega, 2019, 4, 21439-21445. | 3.5 | 37 |
| 8 | Nucleation of Poly(lactide) on the Surface of Different Fibers. Macromolecules, 2019, 52, 6274-6284. | 4.8 | 35 |
| 9 | The inexistence of epitaxial relationship between stereocomplex and Î± crystal of poly(lactic acid): Direct experimental evidence. Polymer, 2013, 54, 1923-1929. | 3.8 | 33 |
| 10 | Effect of nucleating agents on the strain-induced crystallization of poly(l-lactide). Polymer, 2015, 65, 223-232. | 3.8 | 33 |
| 11 | Effect of nucleating agents on the crystallization behavior and heat resistance of poly(<scp>l</scp>â€lactide). Journal of Applied Polymer Science, 2016, 133, . | 2.6 | 28 |
| 12 | Facile fabrication of hybrid PA6-decorated TiO2 fabrics with excellent photocatalytic, anti-bacterial, UV light-shielding, and super hydrophobic properties. RSC Advances, 2017, 7, 52375-52381. | 3.6 | 20 |
| 13 | Janus membrane with novel directional water transport capacity for efficient atmospheric water capture. Nanoscale, 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. Macromolecules, 2018, 51, 9484-9493. | 4.8 | 18 |
| 15 | Novel Janus Fibrous Membranes with Enhanced Directional Water Vapor Transmission. Applied Sciences (Switzerland), 2019, 9, 3302. | 2.5 | 18 |
| 16 | Role of caged bicyclic pentaerythritol phosphate alcohol in flame retardancy of PA6 and mechanism study. Journal of Applied Polymer Science, 2018, 135, 46236. | 2.6 | 17 |
| 17 | One-Pot Hydrothermal Preparation of Fe3O4 Decorated Graphene for Microwave Absorption. Materials, 2020, 13, 3065. | 2.9 | 17 |
| 18 | Inkjet Printing of a Micro/Nanopatterned Surface to Serve as Microreactor Arrays. ACS Applied Materials & Interfaces, 2020, 12, 30962-30971. | 8.0 | 16 |

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|---|---|---|---|
| 19 | Formation of stereocomplex in enantiomeric poly(lactide)s via recrystallization of homocrystals: An in-situ X-ray scattering study. European Polymer Journal, 2016, 82, 46-56. | 5.4 | 14 |
| 20 | Cross-Linksâ€"Entanglements Integrated Networks Contributing to Highly Resilient, Soft, and Self-Adhesive Elastomers with Low Hysteresis for Green Wearable Electronics. ACS Applied Materials & Interfaces, 2022, 14, 16631-16640. | 8.0 | 14 |
| 21 | Facile Fabrication of Multi-Structured SiO2@PVDF-HFP Nanofibrous Membranes for Enhanced Copper Ions Adsorption. Polymers, 2018, 10, 1385. | 4.5 | 13 |
| 22 | Fabrication and properties of poly(<scp>l</scp>â€lactide) nanofibers via blend seaâ€island melt spinning. Journal of Applied Polymer Science, 2015, 132, . | 2.6 | 12 |
| 23 | Janus Membrane Decorated by MXene Multilayered Nanoflakes for Wetâ€"Thermal Management. ACS Applied Nano Materials, 2022, 5, 7344-7356. | 5.0 | 12 |
| 24 | Deformation Mechanism of Poly(3-alkylthiophene) Studied by in Situ X-ray Scattering and Texture Analysis. Macromolecules, 2018, 51, 8306-8315. | 4.8 | 11 |
| 25 | Polylactic acid based Janus membranes with asymmetric wettability for directional moisture transport with enhanced UV protective capabilities. RSC Advances, 2021, 12, 32-41. | 3.6 | 11 |
| 26 | Effect of stereocomplex crystal and flexible segments on the crystallization and tensile behavior of poly(<scp>l</scp>-lactide). RSC Advances, 2018, 8, 28453-28460. | 3.6 | 10 |
| 27 | Studies of FeSe2 Cathode Materials for Mgâ€"Li Hybrid Batteries. Energies, 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. Materials, 2021, 14, 479. | 2.9 | 9 |
| 29 | Effect of the melting temperature on the crystallization behavior of a poly(<scp>l</scp>â€lactide)/poly(<scp>d</scp>â€lactide) equimolar mixture. Journal of Applied Polymer Science, 2016, 133, . | 2.6 | 8 |
| 30 | Study on fracture behavior of PLLA transcrystallization: Effect of crystalline morphology. Journal of Applied Polymer Science, 2015, 132, . | 2.6 | 7 |
| 31 | Structure Mediation and Properties of Poly(l-lactide)/Poly(d-lactide) Blend Fibers. Polymers, 2018, 10, 1353. | 4.5 | 7 |
| 32 | Radiation-induced synthesis of graphene/ferrites nanocomposites for enhanced microwave-absorbing properties. Journal of Materials Science: Materials in Electronics, 2020, 31, 16281-16289. | 2.2 | 7 |
| 33 | Stress induced reversible crystal transition in polymers. Polymer International, 2015, 64, 951-956. | 3.1 | 6 |
| 34 | Printing of Carbon Nanotube-Based Temperature and Bending Sensors for High-Temperature-Resistant Intelligent Textiles. ACS Applied Electronic Materials, 2022, 4, 1949-1957. | 4.3 | 6 |
| 35 | Deformation investigation on iPP/SiO2 composites: Influence of stretching temperature and particle size on morphology evolution and crystalline structure of thin films. Chinese Journal of Polymer Science (English Edition), 2013, 31, 275-284. | 3.8 | 5 |
| 36 | Simultaneously Enhancing the Fire Retardancy and Heat Resistance of Stereo-Complex-Type Polylactic Acid. ACS Omega, 2022, 7, 22149-22160. | 3.5 | 4 |

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