

# Xiangzhe Zhu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Mixing Characteristics of Polymer Melt in Triple Screw Extruders with Combined Screws using Finite Element Method. IOP Conference Series: Materials Science and Engineering, 2020, 768, 022068.	0.6	1
2	3D Numerical Simulation of Reactive Extrusion Processes for Preparing PP/TiO <sub>2</sub> Nanocomposites in a Corotating Twin Screw Extruder. Materials, 2019, 12, 671.	2.9	8
3	Chaotic mixing analysis of a novel single-screw extruder with a perturbation baffle by the finite-time Lyapunov exponent method. Journal of Polymer Engineering, 2019, 39, 287-299.	1.4	3
4	Chaotic Manifold Analysis of Four-Screw Extruders Based on Lagrangian Coherent Structures. Materials, 2018, 11, 2272.	2.9	6
5	Effect of Dynamic Center Region on the Flow and Mixing Efficiency in a New Tri-Screw Extruder Using 3D Finite Element Modeling. International Journal of Rotating Machinery, 2013, 2013, 1-12.	0.8	5
6	Study of Dynamic Flow and Mixing Performances of Tri-Screw Extruders with Finite Element Method. Advances in Mechanical Engineering, 2013, 5, 236389.	1.6	4
7	Numerical Study on Temperature and Power Consumption of Intermeshing Co-rotation Triangle Arrayed Tri-screw Extruders. Polymer-Plastics Technology and Engineering, 2009, 48, 367-373.	1.9	6
8	Numerical Simulation of Extrusion Characteristics for Co-rotating Tri-Screw Extruder. Polymer-Plastics Technology and Engineering, 2007, 46, 401-407.	1.9	12