Yang Feng

List of Publications by Year
in descending order

23 papers	413 citations	759233 12 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	233 citing authors

#	Article	IF	Citations
1	Low-Cost Mass Manufacturing Technique for the Shutdown-Functionalized Lithium-Ion Battery Separator Based on Al₂O₃ Coating Online Construction during the Î²-iPP Cavitation Process. ACS Applied Materials & Interfaces, 2022, 14, 6714-6728.	8.0	26
2	Low-Cost and Large-Scale Fabricating Technology for High-Performance Lithium-Ion Battery Composite Separators with Connected Nano-Al₂O₃ Coating. ACS Applied Energy Materials, 2022, 5, 615-626.	5.1	12
3	Facile Preparation of a Trilayer Separator with a Shutdown Function Based on the Compounding of Î²-Crystal Polypropylene and Hydrogenated Petroleum Resin. Industrial & Engineering Chemistry Research, 2022, 61, 9015-9024.	3.7	0
4	Structural evolution of Î²-iPP with different supermolecular structures during the simultaneous biaxial stretching process. Polymer Journal, 2021, 53, 331-344.	2.7	7
5	The unusual delamination phenomenon of three kinds of lithiumâ€ion battery separators. Polymer International, 2021, 70, 288-297.	3.1	3
6	Preparation of highly oriented Î² polypropylene and its pore formation mechanism during stretching. Polymer Crystallization, 2021, 4, e10183.	0.8	9
7	Development of Multilayer Polypropylene Separators for Lithium-Ion Batteries via an Industrial Process. Industrial & Engineering Chemistry Research, 2021, 60, 11611-11620.	3.7	5
8	Investigation on cavitation behavior of ultrahigh molecular weight polyethylene during stretching in wet process and dry process. Polymer, 2021, 230, 124081.	3.8	19
9	Facile Preparation of a Lithium-Ion Battery Separator with Thermal Shutdown Function Based on Polypropylene/Polyethylene Microsphere Composites. Industrial & Engineering Chemistry Research, 2021, 60, 18530-18539.	3.7	11
10	Effect of annealing on the microvoid formation and evolution during biaxial stretching of Î² nucleated isotactic polypropylene. Polymer-Plastics Technology and Materials, 2020, 59, 1595-1607.	1.3	0
11	Three-dimensional crystal structure evolution and micropore formation of Î²-iPP during biaxial stretching. Polymer, 2020, 196, 122471.	3.8	14
12	The Influence of Multiple Stimulations on the Unusual Delamination Phenomenon of a Li-Ion Battery Separator Prepared by a Wet Process. Industrial & Engineering Chemistry Research, 2020, 59, 4568-4579.	3.7	11
13	The compression behavior, microstructure evolution and properties variation of three kinds of commercial battery separators under compression load. Journal of Power Sources, 2020, 451, 227819.	7.8	37
14	Pore formation and evolution mechanism during biaxial stretching of Î²-iPP used for lithium-ion batteries separator. Materials and Design, 2019, 179, 107880.	7.0	37
15	Deformation and pore formation mechanism of Î² nucleated polypropylene with different supermolecular structures. European Polymer Journal, 2017, 91, 134-148.	5.4	26
16	Investigation of deformation and pore formation in isotactic polypropylene containing active nano-CaCO₃. Polymer International, 2017, 66, 1498-1509.	3.1	9
17	Influence of oriented Î²â€lamellae on deformation and pore formation in Î²â€nucleated polypropylene. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1745-1759.	2.1	15
18	Influence of lamellar structure on the stressâ€“strain behavior of Î² nucleated polypropylene under tensile loading at elevated temperatures. RSC Advances, 2015, 5, 43496-43507.	3.6	18

#	Article	IF	Citations
19	Carbamate end-capped poly(oxymethylene) copolymer with enhanced thermal stability prepared by reactive extrusion. Polymer Degradation and Stability, 2015, 111, 131-141.	5.8	3
20	Investigation on double yielding behavior under tensile loading in isotactic polypropylene. Materials & Design, 2014, 60, 153-163.	5.1	26
21	Pore formation mechanism of Î² nucleated polypropylene stretched membranes. RSC Advances, 2014, 4, 36689-36701.	3.6	69
22	Influence of lamellar structure on double yield behavior and pore size distribution in Î² nucleated polypropylene stretched membranes. RSC Advances, 2014, 4, 43012-43023.	3.6	44
23	Degradation and Stabilization of Co-POM. Polymer-Plastics Technology and Engineering, 2009, 48, 530-534.	1.9	12