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	Pore formation mechanism of Î² nucleated polypropylene stretched membranes. RSC Advances, 2014, 4, 36689-36701.	3.6	69
2	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
3	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
4	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
5	Investigation on double yielding behavior under tensile loading in isotactic polypropylene. Materials & Design, 2014, 60, 153-163.	5.1	26
6	Deformation and pore formation mechanism of Î² nucleated polypropylene with different supermolecular structures. European Polymer Journal, 2017, 91, 134-148.	5.4	26
7	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
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	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
10	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
11	Three-dimensional crystal structure evolution and micropore formation of Î²-iPP during biaxial stretching. Polymer, 2020, 196, 122471.	3.8	14
12	Degradation and Stabilization of Co-POM. Polymer-Plastics Technology and Engineering, 2009, 48, 530-534.	1.9	12
13	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
14	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
15	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
16	Investigation of deformation and pore formation in isotactic polypropylene containing active nano-CaCO₃. Polymer International, 2017, 66, 1498-1509.	3.1	9
17	Preparation of highly oriented Î² polypropylene and its pore formation mechanism during stretching. Polymer Crystallization, 2021, 4, e10183.	0.8	9
18	Structural evolution of Î²-iPP with different supermolecular structures during the simultaneous biaxial stretching process. Polymer Journal, 2021, 53, 331-344.	2.7	7

#	Article	IF	Citations
19	Development of Multilayer Polypropylene Separators for Lithium-Ion Batteries via an Industrial Process. Industrial & Engineering Chemistry Research, 2021, 60, 11611-11620.	3.7	5
20	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
21	The unusual delamination phenomenon of three kinds of lithiumâ€ion battery separators. Polymer International, 2021, 70, 288-297.	3.1	3
22	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
23	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