List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A Multifunctional Flexible Composite Film with Excellent Multi‧ource Driven Thermal Management, Electromagnetic Interference Shielding, and Fire Safety Performance, Inspired by a "Brick–Mortar― Sandwich Structure. Advanced Functional Materials, 2022, 32, .	14.9	156
2	Mechanical and rheological properties of epoxidized soybean oil plasticized poly(lactic acid). Journal of Applied Polymer Science, 2009, 112, 3185-3191.	2.6	114
3	Preparation, characterization and properties of PLA/TiO ₂ nanocomposites based on a novel vane extruder. RSC Advances, 2015, 5, 4639-4647.	3.6	104
4	Preparation of polymer/clay nanocomposites via melt intercalation under continuous elongation flow. Composites Science and Technology, 2017, 145, 157-164.	7.8	94
5	Thermal behavior, dynamic mechanical properties and rheological properties of poly(butylene) Tj ETQq1 1 0.784	314 rgBT / 4.8	Overlock 10
6	High Thermal Conductivity and Mechanical Strength Phase Change Composite with Double Supporting Skeletons for Industrial Waste Heat Recovery. ACS Applied Materials & Interfaces, 2021, 13, 47174-47184.	8.0	79
7	Fabrication of triboelectric polymer films via repeated rheological forging for ultrahigh surface charge density. Nature Communications, 2022, 13, .	12.8	79
8	Supertoughened Poly(lactic acid)/Polyurethane Blend Material by in Situ Reactive Interfacial Compatibilization via Dynamic Vulcanization. Industrial & Engineering Chemistry Research, 2014, 53, 17386-17393.	3.7	76
9	One-Step and Solvent-Free Synthesis of Polyethylene Glycol-Based Polyurethane As Solid–Solid Phase Change Materials for Solar Thermal Energy Storage. Industrial & Engineering Chemistry Research, 2019, 58, 3024-3032.	3.7	75
10	Improving thermal conductivity of ethylene propylene diene monomer/paraffin/expanded graphite shape-stabilized phase change materials with great thermal management potential via green steam explosion. Advanced Composites and Hybrid Materials, 2021, 4, 478-491.	21.1	75
11	Efficient fabrication of lightweight polyethylene foam with robust and durable superhydrophobicity for self-cleaning and anti-icing applications. Chemical Engineering Journal, 2021, 407, 127100.	12.7	73
12	Polyvinyl alcoholâ€modified <scp>P</scp> ithecellobium <scp>C</scp> lypearia <scp>B</scp> enth herbal residue fiber/polypropylene composites. Polymer Composites, 2016, 37, 915-924.	4.6	61
13	Super-toughened poly(lactic acid)/thermoplastic poly(ether)urethane nanofiber composites with in-situ formation of aligned nanofibers prepared by an innovative eccentric rotor extruder. Composites Science and Technology, 2019, 169, 135-141.	7.8	61
14	Novel flexible polyurethane/MXene composites with sensitive solar thermal energy storage behavior. Composites Part A: Applied Science and Manufacturing, 2021, 149, 106505.	7.6	58
15	Biomass porous potatoes/MXene encapsulated PEC-based PCMs with improved photo-to-thermal conversion capability. Solar Energy Materials and Solar Cells, 2022, 237, 111559.	6.2	57
16	Costâ€Effective Fabrication of Microâ€Nanostructured Superhydrophobic Polyethylene/Graphene Foam with Selfâ€Floating, Optical Trapping, Acid…Alkali Resistance for Efficient Photothermal Deicing and Interfacial Evaporation. Small, 2022, 18, e2200175.	10.0	54
17	Enhancing Impact Toughness of Renewable Poly(lactic acid)/Thermoplastic Polyurethane Blends via Constructing Cocontinuous-like Phase Morphology Assisted by Ethylene–Methyl Acrylate–Glycidyl Methacrylate Copolymer. Industrial & Engineering Chemistry Research, 2019, 58, 10894-10907.	3.7	53
18	Solid conveying in vane extruder for polymer processing: Effects on pressure establishment. Polymer Engineering and Science. 2012. 52. 2147-2156.	3.1	52

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19	Poly(lactic acid)/poly(butylene succinate)/calcium sulfate whiskers biodegradable blends prepared by vane extruder: Analysis of mechanical properties, morphology, and crystallization behavior. Polymer Testing, 2014, 34, 1-9.	4.8	51
20	Constructing Bone-Mimicking High-Performance Structured Poly(lactic acid) by an Elongational Flow Field and Facile Annealing Process. ACS Applied Materials & Interfaces, 2020, 12, 13411-13420.	8.0	46
21	Morphology study of immiscible polymer blends in a vane extruder. Journal of Applied Polymer Science, 2013, 128, 3576-3585.	2.6	45
22	Characteristics Study of Polymer Melt Conveying Capacity in Vane Plasticization Extruder. Polymer-Plastics Technology and Engineering, 2009, 48, 1269-1274.	1.9	43
23	Morphology, rheology property, and crystallization behavior of PLLA/OMMT nanocomposites prepared by an innovative eccentric rotor extruder. Polymers for Advanced Technologies, 2018, 29, 41-51.	3.2	41
24	A novel bio-based polyurethane/wood powder composite as shape-stable phase change material with high relative enthalpy efficiency for solar thermal energy storage. Solar Energy Materials and Solar Cells, 2019, 200, 109987.	6.2	41
25	Study on the pulsating extrusion characteristics of polymer melt through round-sectioned die. Polymer-Plastics Technology and Engineering, 2002, 41, 115-132.	1.9	40
26	Structure and properties of Polylactide/Poly(butylene succinate)/Organically Modified Montmorillonite nanocomposites with high-efficiency intercalation and exfoliation effect manufactured via volume pulsating elongation flow. Polymer, 2019, 180, 121656.	3.8	40
27	Mechanical and thermal properties of epoxidized soybean oil plasticized polybutylene succinate blends. Polymers for Advanced Technologies, 2012, 23, 632-638.	3.2	38
28	Electrospun polyvinylidene fluoride containing nanoscale graphite platelets as electret membrane and its application in air filtration under extreme environment. Polymer, 2017, 131, 143-150.	3.8	36
29	Optimization of water absorption of starch/PVA composites. Polymer Composites, 2007, 28, 674-679.	4.6	35
30	Polypropylene/polystyrene/clay blends prepared by an innovative eccentric rotor extruder based on continuous elongational flow: Analysis of morphology, rheology property, and crystallization behavior. Polymer Testing, 2017, 63, 73-83.	4.8	35
31	Simultaneous Solarâ€driven Steam and Electricity Generation by Costâ€effective, Easy Scaleâ€up MnO ₂ â€based Flexible Membranes. Energy and Environmental Materials, 2023, 6, .	12.8	35
32	Electrospinning water harvesters inspired by spider silk and beetle. Materials Letters, 2018, 211, 28-31.	2.6	32
33	Multivariable fuzzy decoupling control of the polymer electromagnetism dynamic extrusion process. Journal of Applied Polymer Science, 2010, 116, 568-576.	2.6	29
34	Preparation and Characterization of Cross-Linked Poly(butylene succinate) by Multifunctional Toluene Diisocyanate–Trimethylolpropane Polyurethane Prepolymer. Industrial & Engineering Chemistry Research, 2013, 52, 13677-13684.	3.7	29
35	Novel Dynamic Elongational Flow Procedure for Reinforcing Strong, Tough, Thermally Stable Polypropylene/Thermoplastic Polyurethane Blends. Langmuir, 2013, 29, 13509-13517.	3.5	28

 $_{36}$ Mechanical, thermal and rheological properties and morphology of poly (lactic acid)/poly (propylene) Tj ETQq0 0 0 $_{22}$ gBT /Overlock 10 Tf

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37	The technique of electrospinning for manufacturing core-shell nanofibers. Materials and Manufacturing Processes, 2018, 33, 202-219.	4.7	28
38	Super-Toughened Poly(lactic Acid) with Poly(ε-caprolactone) and Ethylene-Methyl Acrylate-Glycidyl Methacrylate by Reactive Melt Blending. Polymers, 2019, 11, 771.	4.5	28
39	Study on the properties of nanoâ€TiO ₂ /polybutylene succinate composites prepared by vane extruder. Polymer Composites, 2014, 35, 53-59.	4.6	27
40	Power consumption in the compacting process of polymer particulate solids in a vane extruder. Journal of Applied Polymer Science, 2013, 127, 3923-3932.	2.6	26
41	Preparation and properties of PBS/sisalâ€fiber composites. Polymer Engineering and Science, 2011, 51, 474-481.	3.1	25
42	<i>In-situ</i> thermal reduction and effective reinforcement of graphene nanosheet/poly (ethylene) Tj ETQq0 0 C) rgBT /Ove	erlock 10 Tf 5
43	β-Phase Formation of Polyvinylidene Fluoride <i>via</i> Hot Pressing under Cyclic Pulsating Pressure. Macromolecules, 2020, 53, 8494-8501.	4.8	25
44	Flammable and mechanical effects of silica on intumescent flame retardant/ethylene–octene copolymer/polypropylene composites. Journal of Thermoplastic Composite Materials, 2015, 28, 981-994.	4.2	23
45	Melt rheology of poly (lactic acid) plasticized by epoxidized soybean oil. Wuhan University Journal of Natural Sciences, 2009, 14, 349-354.	0.4	22
46	Thermoplastic polyurethane/polypropylene blends based on novel vane extruder: A study of morphology and mechanical properties. Polymer Engineering and Science, 2014, 54, 716-724.	3.1	22

47	Effects of thermoplastic polyurethane on the properties of poly(lactic acid)/organoâ€montmorillonite nanocomposites based on novel vane extruder. Polymer Engineering and Science, 2014, 54, 2292-2300.	3.1	20
48	Role of <i>In situ</i> thermalâ€reduced graphene oxide on the morphology and properties of biodegradable poly(Lactic acid)/poly(butylene succinate) blends. Polymer Composites, 2018, 39, 3057-3065.	4.6	20
49	Phase Morphology and Performance of Supertough PLA/EMA–GMA/ZrP Nanocomposites Prepared through Reactive Melt-Blending. ACS Omega, 2019, 4, 19046-19053.	3.5	20
50	Supertough, Ultrastrong, and Transparent Poly(lactic acid) via Directly Hot Pressing under Cyclic Compressing–Releasing. Macromolecules, 2021, 54, 4847-4853.	4.8	19
51	Scalable fabrication of high-enthalpy polyethylene/carbon nanotubes/paraffin wax nanocomposite with flexibility and superhydrophobicity for efficient thermal management. Composites Part A: Applied Science and Manufacturing, 2022, 159, 107006.	7.6	19
52	Mechanical properties and morphological behavior of calcium carbonate-filled polypropylene in dynamic injection molding. Polymer International, 2006, 55, 1330-1335.	3.1	18
53	Chemical structure and thermal properties of lignin modified with polyethylene glycol during steam explosion. Wood Science and Technology, 2017, 51, 135-150.	3.2	18

54Electrospinning polyvinylidene fluoride/expanded graphite composite membranes as high efficiency
and reusable water harvester. Materials Letters, 2017, 202, 78-81.2.618

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55	A synergistic photothermal and photocatalytic membrane for efficient solar-driven contaminated water treatment. Sustainable Energy and Fuels, 2021, 5, 5627-5637.	4.9	17
56	Effect of vibration parameters of electromagnetic dynamic plastics injection molding machine on mechanical properties of polypropylene samples. Journal of Applied Polymer Science, 2006, 102, 972-976.	2.6	16
57	Synergistic Effect Based on Enhanced Local Shear Forces in PVDF/TiO ₂ /CNT Ternary Composites. Industrial & Engineering Chemistry Research, 2020, 59, 18887-18897.	3.7	16
58	Efficient fabrication of flame-retarding silicone rubber/hydroxylated boron nitride nanocomposites based on volumetric extensional rheology. Chemical Engineering Journal, 2022, 435, 135154.	12.7	16
59	Influences of ethylene–butylacrylate–glycidyl methacrylate on morphology and mechanical properties of poly(butylene terephthalate)/polyolefin elastomer blends. Journal of Applied Polymer Science, 2014, 131, .	2.6	15
60	Properties of heat-treated sisal fiber/polylactide composites. Journal of Thermoplastic Composite Materials, 2015, 28, 777-790.	4.2	15
61	Effects of dynamic elongational flow on the dispersion and mechanical properties of lowâ€density polyethylene/nanoprecipitated calcium carbonate composites. Polymer Composites, 2014, 35, 884-891.	4.6	14
62	Effect of continuous elongational flow on structure and properties of short glass fiber reinforced polyamide 6 composites. Advanced Industrial and Engineering Polymer Research, 2019, 2, 93-101.	4.7	14
63	Properties of compression molded ultraâ€high molecular weight polyethylene products pretreated by eccentric rotor extrusion. Polymer International, 2019, 68, 862-870.	3.1	14
64	UHMWPE/organoclay nanocomposites fabricated by melt intercalation under continuous elongational flow: Dispersion, thermal behaviors and mechanical properties. Polymer Engineering and Science, 2019, 59, 547-554.	3.1	14
65	Microstructure evolution and mechanism of PLA/PVDF hybrid dielectrics fabricated under elongational flow. Polymer, 2021, 224, 123719.	3.8	14
66	Ultrafast Fabrication of Grapheneâ€Reinforced Nanocomposites via Synergy of Steam Explosion and Alternating Convergentâ€Đivergent Flow. Small, 2021, 17, e2100017.	10.0	14
67	Controlled localizing multi-wall carbon nanotubes in polyvinylidene fluoride/acrylonitrile butadiene styrene blends to achieve balanced dielectric constant and dielectric loss. Composites Science and Technology, 2021, 212, 108874.	7.8	14
68	Manufacturing polymer/clay nanocomposites through elongational flow technique. Materials and Manufacturing Processes, 2017, 32, 1409-1415.	4.7	13
69	Superâ€Tough and Highlyâ€Ductile Poly(<scp>l</scp> â€lactic acid)/Thermoplastic Polyurethane/Epoxideâ€Containing Ethylene Copolymer Blends Prepared by Reactive Blending. Macromolecular Materials and Engineering, 2019, 304, 1900020.	3.6	13
70	Multifractal analysis on dispersion of immiscible highâ€density polyethylene/polystyrene blends processed via polymer vane plasticating extruder. Journal of Applied Polymer Science, 2013, 130, 2328-2335.	2.6	12
71	Efficient fabrication of highly exfoliated and evenly dispersed high-density polyethylene/expanded graphite nanocomposite with enhanced dielectric constant and extremely low dielectric loss. Composites Part A: Applied Science and Manufacturing, 2021, 142, 106242.	7.6	12
72	Isogeometric analysis based on geometric reconstruction models. Frontiers of Mechanical Engineering, 2021, 16, 782-797.	4.3	12

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73	Effects of the vibration parameters of a hydraulic, dynamic injectionâ€molding machine on the properties of lowâ€density polyethylene samples in a plasticating process. Journal of Applied Polymer Science, 2010, 117, 1208-1212.	2.6	11
74	Mechanical Properties of Poly(Butylene Succinate) Reinforced with Continuously Steam-Exploded Cotton Stalk Bast. Polymer-Plastics Technology and Engineering, 2011, 50, 1405-1411.	1.9	11
75	Caulis spatholobi residue fiber reinforced biodegradable poly (propylene carbonate) composites: The effect of fiber content on mechanical and morphological properties. Polymer Composites, 2014, 35, 208-216.	4.6	11
76	Shortâ€time fabrication of wellâ€mixed highâ€density polyethylene/ultrahighâ€molecularâ€weight polyethylene blends under elongational flow: morphology, mechanical properties and mechanism. Polymer International, 2019, 68, 904-914.	3.1	11
77	Effect of screw axial vibration on polymer melting process in single-screw extruders. Journal of Applied Polymer Science, 2006, 100, 3860-3876.	2.6	10
78	Effect of initial fiber length on the rheological properties of sisal fiber/polylactic acid composites. Polymer Composites, 2011, 32, 1218-1224.	4.6	10
79	Morphology, mechanical, and rheological properties of poly(lactic acid)/ethylene acrylic acid copolymer blends processing via vane extruder. Journal of Applied Polymer Science, 2014, 131, .	2.6	10
80	Preparation and characterization of carbon fiber/polylactic acid/thermoplastic polyurethane (CF/PLA/TPU) composites prepared by a vane mixer. Journal of Polymer Engineering, 2017, 37, 355-364.	1.4	10
81	Electrospun poly(vinylidene fluoride) membranes functioning as static charge storage device with controlled crystalline phase by inclusions of nanoscale graphite platelets. Journal of Materials Science, 2018, 53, 3038-3048.	3.7	10
82	Formation of polypropylene/functional graphene oxide nanocomposites with Different FGs loading in elongation flow condition. Polymer Engineering and Science, 2019, 59, 830-837.	3.1	10
83	Fabrication of iron oxide nanoparticle decorated boron nitride nanosheet for flame-retarding silicone rubber. Materials Letters, 2021, 283, 128712.	2.6	10
84	Nonaffine network structural model for molten Low-Density polyethylene and High-Density Polyethylene in oscillatory shear. Journal of Shanghai University, 2002, 6, 292-296.	0.1	9
85	Rheological behavior of a polymer melt under the impact of a vibration force field. Journal of Applied Polymer Science, 2007, 106, 1152-1159.	2.6	9
86	A promising screw-extrusion steam explosion pretreatment process: effects on the morphological and structural features of Eucalyptus woodchips. RSC Advances, 2016, 6, 109657-109663.	3.6	9
87	Investigation on Properties of Polypropylene/Multi-walled Carbon Nanotubes Nanocomposites Prepared by a Novel Eccentric Rotor Extruder Based on Elongational Rheology. Journal of Macromolecular Science - Physics, 2018, 57, 348-363.	1.0	9
88	Manufacturing High-Performance Polylactide by Constructing 3D Network Crystalline Structure with Adding Self-Assembly Nucleator. Industrial & Engineering Chemistry Research, 2022, 61, 4567-4578.	3.7	9
89	Effect of Vibrating Extrusion on the Structure and Mechanical Properties of Isotactic Polypropylene. Polymer-Plastics Technology and Engineering, 2006, 45, 1065-1071.	1.9	8
90	Preparation of poly(L-lactide)/poly(ethylene glycol)/organo-modified montmorillonite nanocomposites via melt intercalation under continuous elongation flow. Journal of Polymer Engineering, 2018, 38, 449-460.	1.4	8

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91	Mechanical and thermal properties of polybutylene terephthalate/ethylene-vinyl acetate blends using vane extruder. E-Polymers, 2018, 18, 67-73.	3.0	8
92	Dimensional impact of nanofillers on the micromorphology and rheology of PP/PS composites under continuous elongation flow. Polymers for Advanced Technologies, 2018, 29, 2952-2962.	3.2	8
93	Nonâ€isothermal crystallization kinetics and morphology of mica particles filled biodegradable poly(butylene succinate). Journal of Applied Polymer Science, 2013, 130, 2544-2556.	2.6	7
94	Study on the properties of polyethylene/montmorillonite nanocomposites prepared by a novel vane mixer. Journal of Applied Polymer Science, 2015, 132, .	2.6	7
95	Effect of vibration parameters in plasticizing process on properties of polypropylene by dynamic injection molding. Journal of Thermoplastic Composite Materials, 2015, 28, 806-817.	4.2	7
96	Improved heat shrinkage and mechanical performances of polyethylene trilayer blown film prepared via novel multilayer coextrusion method. Packaging Technology and Science, 2019, 32, 309-321.	2.8	7
97	Toward high dielectric constant and low dielectric loss nanocomposite via kinetical migration. Composites Science and Technology, 2022, 221, 109310.	7.8	7
98	Poly(lactic acid)/polypropylene and compatibilized poly(lactic acid)/polypropylene blends prepared by a vane extruder: analysis of the mechanical properties, morphology and thermal behavior. Journal of Polymer Engineering, 2015, 35, 753-764.	1.4	6
99	Electric field-induced alignment of MWCNTs during the processing of PP/MWCNT composites: effects on electrical, dielectric, and rheological properties. Journal of Polymer Engineering, 2018, 38, 881-889.	1.4	6
100	Properties and Morphology of Poly(Lactic Acid)/Calcium Carbonate Whiskers Composites Prepared by a Vane Mixer based on an Extensional Flow Field. Journal of Macromolecular Science - Physics, 2018, 57, 418-436.	1.0	6
101	A single step fabrication of bio-inspired high efficiency and durable water harvester made of polymer membranes. Polymer, 2019, 183, 121843.	3.8	6
102	Preparation and properties of biodegradable poly (lactic acid)/ethylene butyl acrylate glycidyl methacrylate blends via novel vane extruder. Plastics, Rubber and Composites, 2019, 48, 364-373.	2.0	6
103	Self-reinforced polyethylene enabled by cyclic pulsating pressure. Polymer, 2020, 202, 122665.	3.8	6
104	Effect of series explosion effects on the fiber length, fiber dispersion and structure properties in glass fiber reinforced polyamide 66. Polymers for Advanced Technologies, 2021, 32, 505-513.	3.2	6
105	One-step laser etching of a bionic hierarchical structure on a silicone rubber surface with thermal and acid/alkali resistance and tunable wettability. Soft Matter, 2022, 18, 3412-3421.	2.7	6
106	Actuation Mechanisms of a Semicrystalline Elastomer-Based Polymer Artificial Muscle with High Actuation Strain. Macromolecules, 2022, 55, 3986-3999.	4.8	6
107	Dynamically vulcanized poly (lactic acid)/polyurethane/MXene nanocomposites with balanced stiffness and toughness. Polymer, 2022, 255, 125165.	3.8	6
108	Phase morphology control of immiscible polymer blends under vibration force field. Journal of Applied Polymer Science, 2006, 102, 2299-2307.	2.6	5

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109	Influence of Vibration on Density of Polymer Solid Granules in Single Screw Extruder. Polymer-Plastics Technology and Engineering, 2007, 46, 233-237.	1.9	5
110	Melting process and mechanism for vibration induced single-screw extruder. Journal of Applied Polymer Science, 2007, 104, 2504-2514.	2.6	5
111	The Preparation of Polypropylene/Wollastonite Composites with Tri-screw Dynamic Compounding Extruder. Polymer-Plastics Technology and Engineering, 2009, 48, 260-264.	1.9	5
112	Influences of dicumyl peroxide on morphology and mechanical properties of polypropylene/poly(styreneâ€ <i>b</i> â€butadieneâ€ <i>b</i> â€styrene) blends via vaneâ€extruder. Journal of Applied Polymer Science, 2015, 132, .	2.6	5
113	Solids conveying in the solids compaction zone of vane extruder. Polymer Engineering and Science, 2015, 55, 719-728.	3.1	5
114	Structure-property relationships in polypropylene/poly(ethylene-co-octene)/multiwalled carbon nanotube nanocomposites prepared via a novel eccentric rotor extruder. Journal of Polymer Engineering, 2018, 38, 427-435.	1.4	5
115	Preparation and characterization of poly(lactic acid)/sisal fiber bio-composites under continuous elongation flow. Journal of Polymer Engineering, 2018, 39, 76-84.	1.4	5
116	Effect of continuous elongational flow on structure and properties of poly(Lâ€lactic) Tj ETQq0 0 0 rgBT /Overlock Composites, 2019, 40, E617.	10 Tf 50 4.6	467 Td (acic 5
117	A novel method for industrial manufacturing of thermoplastic multilayer films: Processing, microstructure, and properties. Polymer Engineering and Science, 2019, 59, E339.	3.1	5
118	Polyethylene-Based Single Polymer Composites Prepared under Elongational Flow for High-Voltage Applications. Industrial & Engineering Chemistry Research, 2020, 59, 18607-18615.	3.7	5
119	Poly (ethylene-butylacrylate-glycidyl methacrylate) reaction compatibilized poly (lactic acid)/poly (3-hydroxybutyrate-4-hydroxybutyrate) blends with enhanced mechanical property, biodegradability and thermal stability. Polymer Testing, 2022, 111, 107610.	4.8	5
120	Scalable and cost-effective fabrication of self-floating three-dimensional interconnected polyethylene/multiwall carbon nanotubes composite foam for high evaporation performance. Composites Part B: Engineering, 2022, 243, 110111.	12.0	5
121	Effect of the axial vibration of screw on residence time distribution in single-screw extruders. Polymer Engineering and Science, 2006, 46, 198-204.	3.1	4
122	Numerical Simulation of Mixing Characteristics in a Vane Extruder. Journal of Macromolecular Science - Physics, 2014, 53, 358-369.	1.0	4
123	Effects of eccentricity, temperature, velocity, and polymer properties on solids compressibility in vane extruder. Polymer Engineering and Science, 2014, 54, 1403-1411.	3.1	4
124	Pithecellobium Clypearia Benth Fiber/Recycled Acrylonitrile-Butadiene-Styrene (ABS) Composites Prepared in a Vane Extruder: Analysis of Mechanical Properties and Morphology. Journal of Macromolecular Science - Physics, 2015, 54, 1-16.	1.0	4
125	A novel PLA/P(3HB-co-4HB)/MWCNT composite featuring enhanced mechanical properties and excellent thermal stability based on elongational rheology. Polymer Testing, 2022, 114, 107700.	4.8	4
126	Experimental Studies and Mathematical Modeling of Melt-Pulsed Conveying in Screw Extruders. Polymer-Plastics Technology and Engineering, 2006, 45, 1137-1142.	1.9	3

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127	Orientation Kinetics of Screw-Axial Vibration on Glass Fiber Reinforced Polypropylene Composites. Polymer-Plastics Technology and Engineering, 2008, 47, 186-198.	1.9	3
128	Study on Energy Ratio Model for Phase Morphology of Immiscible Polymer Blends. Polymer-Plastics Technology and Engineering, 2006, 45, 971-977.	1.9	2
129	Modeling of coatâ€hanger die under vibrational extrusion. Journal of Applied Polymer Science, 2008, 107, 1006-1019.	2.6	2
130	Effect of the axial vibration of screw on total shear strain distribution of melt in singleâ€screw extruders. Journal of Applied Polymer Science, 2008, 108, 3917-3926.	2.6	2
131	Total Strain of Newtonian Fluids in a Vane Extruder. Journal of Macromolecular Science - Physics, 2014, 53, 800-812.	1.0	2
132	Crystallization, microstructure and mechanical properties of directionally oriented films prepared using a novel blowingâ€film process. Polymer International, 2022, 71, 1184-1192.	3.1	2
133	Simulation of nonisothermal flow of melt during melting process of vibration-induced polymer extruder. Journal of Applied Polymer Science, 2006, 102, 5825-5840.	2.6	1
134	Predictability of apparent viscosity in a vibratory shearing flow field. Journal of Applied Polymer Science, 2009, 113, 1560-1565.	2.6	1
135	Computer-aided experiment of using real-time small angle light scattering image processing technique for visual characterization flow field of polymer melts. Polymer Bulletin, 2009, 62, 345-354.	3.3	1
136	The Effects of Temperature and Roll Pressing on the Properties of iPP Sheets. Polymer-Plastics Technology and Engineering, 2010, 49, 1108-1113.	1.9	1
137	Enhancing Chain Mobility of Ultrahigh Molecular Weight Polyethylene by Regulating Residence Time under a Consecutive Elongational Flow for Improved Processability. Polymers, 2021, 13, 2192.	4.5	1
138	The Effect of Vibration on Mechanical Properties of Blends of EPDM/PP in a Tri-screw Dynamic Mixing Extruder. Polymer-Plastics Technology and Engineering, 2007, 46, 795-799.	1.9	0
139	Experimental Study on the Influence of Pulsatile Injection Pressure on Filling Pressure and Filling Time. Polymer-Plastics Technology and Engineering, 2007, 46, 709-712.	1.9	Ο
140	Extrusion Characteristics of Round-Section Dies with VFF. Polymer-Plastics Technology and Engineering, 2008, 47, 203-208.	1.9	0
141	Theoretical and experimental study of the melting process of high-density polyethylene for multidimensional vibration equipment. Journal of Applied Polymer Science, 2011, 120, 2912-2920.	2.6	0
142	A Novel Mandrel-Free Blown Film Die with Ultrashort Flow Distance and Uniform Discharge: Theoretical Modeling and Simulation. Industrial & Engineering Chemistry Research, 0, , .	3.7	0