

Jin-Ping Qu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4216917/publications.pdf>

Version: 2024-02-01

142
papers

3,122
citations

147566

31
h-index

205818

48
g-index

142
all docs

142
docs citations

142
times ranked

2248
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multifunctional Flexible Composite Film with Excellent Multi-Source Driven Thermal Management, Electromagnetic Interference Shielding, and Fire Safety Performance, Inspired by a "Brick" Mortar-Sandwich Structure. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	156
2	Mechanical and rheological properties of epoxidized soybean oil plasticized poly(lactic acid). <i>Journal of Applied Polymer Science</i> , 2009, 112, 3185-3191.	1.3	114
3	Preparation, characterization and properties of PLA/TiO ₂ nanocomposites based on a novel vane extruder. <i>RSC Advances</i> , 2015, 5, 4639-4647.	1.7	104
4	Preparation of polymer/clay nanocomposites via melt intercalation under continuous elongation flow. <i>Composites Science and Technology</i> , 2017, 145, 157-164.	3.8	94
5	Thermal behavior, dynamic mechanical properties and rheological properties of poly(butylene) Tj ETQq1 1 0.784314 tgBT /Overlock 10 T	2.3	79
6	High Thermal Conductivity and Mechanical Strength Phase Change Composite with Double Supporting Skeletons for Industrial Waste Heat Recovery. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47174-47184.	4.0	79
7	Fabrication of triboelectric polymer films via repeated rheological forging for ultrahigh surface charge density. <i>Nature Communications</i> , 2022, 13, .	5.8	79
8	Supertoughened Poly(lactic acid)/Polyurethane Blend Material by in Situ Reactive Interfacial Compatibilization via Dynamic Vulcanization. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 17386-17393.	1.8	76
9	One-Step and Solvent-Free Synthesis of Polyethylene Glycol-Based Polyurethane As Solid-Phase Change Materials for Solar Thermal Energy Storage. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 3024-3032.	1.8	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. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 478-491.	9.9	75
11	Efficient fabrication of lightweight polyethylene foam with robust and durable superhydrophobicity for self-cleaning and anti-icing applications. <i>Chemical Engineering Journal</i> , 2021, 407, 127100.	6.6	73
12	Polyvinyl alcohol-modified P-ith cellulose C-lypearia B-enth herbal residue fiber/polypropylene composites. <i>Polymer Composites</i> , 2016, 37, 915-924.	2.3	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. <i>Composites Science and Technology</i> , 2019, 169, 135-141.	3.8	61
14	Novel flexible polyurethane/MXene composites with sensitive solar thermal energy storage behavior. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 149, 106505.	3.8	58
15	Biomass porous potatoes/MXene encapsulated PEG-based PCMs with improved photo-to-thermal conversion capability. <i>Solar Energy Materials and Solar Cells</i> , 2022, 237, 111559.	3.0	57
16	Cost-Effective Fabrication of Micro-Nanostructured Superhydrophobic Polyethylene/Graphene Foam with Self-Floating, Optical Trapping, Acid-Alkali Resistance for Efficient Photothermal Deicing and Interfacial Evaporation. <i>Small</i> , 2022, 18, e2200175.	5.2	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. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 10894-10907.	1.8	53
18	Solid conveying in vane extruder for polymer processing: Effects on pressure establishment. <i>Polymer Engineering and Science</i> , 2012, 52, 2147-2156.	1.5	52

#	ARTICLE	IF	CITATIONS
19	Poly(lactic acid)/poly(butylene succinate)/calcium sulfate whiskers biodegradable blends prepared by vane extruder: Analysis of mechanical properties, morphology, and crystallization behavior. <i>Polymer Testing</i> , 2014, 34, 1-9.	2.3	51
20	Constructing Bone-Mimicking High-Performance Structured Poly(lactic acid) by an Elongational Flow Field and Facile Annealing Process. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13411-13420.	4.0	46
21	Morphology study of immiscible polymer blends in a vane extruder. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3576-3585.	1.3	45
22	Characteristics Study of Polymer Melt Conveying Capacity in Vane Plasticization Extruder. <i>Polymer-Plastics Technology and Engineering</i> , 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. <i>Polymers for Advanced Technologies</i> , 2018, 29, 41-51.	1.6	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. <i>Solar Energy Materials and Solar Cells</i> , 2019, 200, 109987.	3.0	41
25	Study on the pulsating extrusion characteristics of polymer melt through round-sectioned die. <i>Polymer-Plastics Technology and Engineering</i> , 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. <i>Polymer</i> , 2019, 180, 121656.	1.8	40
27	Mechanical and thermal properties of epoxidized soybean oil plasticized polybutylene succinate blends. <i>Polymers for Advanced Technologies</i> , 2012, 23, 632-638.	1.6	38
28	Electrospun polyvinylidene fluoride containing nanoscale graphite platelets as electret membrane and its application in air filtration under extreme environment. <i>Polymer</i> , 2017, 131, 143-150.	1.8	36
29	Optimization of water absorption of starch/PVA composites. <i>Polymer Composites</i> , 2007, 28, 674-679.	2.3	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. <i>Polymer Testing</i> , 2017, 63, 73-83.	2.3	35
31	Simultaneous Solar-driven Steam and Electricity Generation by Cost-effective, Easy Scale-up MnO ₂ -based Flexible Membranes. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	35
32	Electrospinning water harvesters inspired by spider silk and beetle. <i>Materials Letters</i> , 2018, 211, 28-31.	1.3	32
33	Multivariable fuzzy decoupling control of the polymer electromagnetism dynamic extrusion process. <i>Journal of Applied Polymer Science</i> , 2010, 116, 568-576.	1.3	29
34	Preparation and Characterization of Cross-Linked Poly(butylene succinate) by Multifunctional Toluene Diisocyanate-Trimethylolpropane Polyurethane Prepolymer. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 13677-13684.	1.8	29
35	Novel Dynamic Elongational Flow Procedure for Reinforcing Strong, Tough, Thermally Stable Polypropylene/Thermoplastic Polyurethane Blends. <i>Langmuir</i> , 2013, 29, 13509-13517.	1.6	28
36	Mechanical, thermal and rheological properties and morphology of poly (lactic acid)/poly (propylene) Tj ETQq0 0 0 ggBT/Overlock 10 Tf	1.6	28

#	ARTICLE	IF	CITATIONS
37	The technique of electrospinning for manufacturing core-shell nanofibers. <i>Materials and Manufacturing Processes</i> , 2018, 33, 202-219.	2.7	28
38	Super-Toughened Poly(lactic Acid) with Poly(μ -caprolactone) and Ethylene-Methyl Acrylate-Glycidyl Methacrylate by Reactive Melt Blending. <i>Polymers</i> , 2019, 11, 771.	2.0	28
39	Study on the properties of nano-TiO ₂ /polybutylene succinate composites prepared by vane extruder. <i>Polymer Composites</i> , 2014, 35, 53-59.	2.3	27
40	Power consumption in the compacting process of polymer particulate solids in a vane extruder. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3923-3932.	1.3	26
41	Preparation and properties of PBS/sisal fiber composites. <i>Polymer Engineering and Science</i> , 2011, 51, 474-481.	1.5	25
42	<i>In-situ</i> thermal reduction and effective reinforcement of graphene nanosheet/poly (ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	25
43	β -Phase Formation of Polyvinylidene Fluoride <i>via</i> Hot Pressing under Cyclic Pulsating Pressure. <i>Macromolecules</i> , 2020, 53, 8494-8501.	2.2	25
44	Flammable and mechanical effects of silica on intumescent flame retardant/ethylene octene copolymer/polypropylene composites. <i>Journal of Thermoplastic Composite Materials</i> , 2015, 28, 981-994.	2.6	23
45	Melt rheology of poly (lactic acid) plasticized by epoxidized soybean oil. <i>Wuhan University Journal of Natural Sciences</i> , 2009, 14, 349-354.	0.2	22
46	Thermoplastic polyurethane/polypropylene blends based on novel vane extruder: A study of morphology and mechanical properties. <i>Polymer Engineering and Science</i> , 2014, 54, 716-724.	1.5	22
47	Effects of thermoplastic polyurethane on the properties of poly(lactic acid)/organo montmorillonite nanocomposites based on novel vane extruder. <i>Polymer Engineering and Science</i> , 2014, 54, 2292-2300.	1.5	20
48	Role of <i>In situ</i> thermal reduced graphene oxide on the morphology and properties of biodegradable poly(Lactic acid)/poly(butylene succinate) blends. <i>Polymer Composites</i> , 2018, 39, 3057-3065.	2.3	20
49	Phase Morphology and Performance of Supertough PLA/EMA/GMA/ZrP Nanocomposites Prepared through Reactive Melt-Blending. <i>ACS Omega</i> , 2019, 4, 19046-19053.	1.6	20
50	Supertough, Ultrastrong, and Transparent Poly(lactic acid) via Directly Hot Pressing under Cyclic Compressing-Releasing. <i>Macromolecules</i> , 2021, 54, 4847-4853.	2.2	19
51	Scalable fabrication of high-enthalpy polyethylene/carbon nanotubes/paraffin wax nanocomposite with flexibility and superhydrophobicity for efficient thermal management. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 159, 107006.	3.8	19
52	Mechanical properties and morphological behavior of calcium carbonate-filled polypropylene in dynamic injection molding. <i>Polymer International</i> , 2006, 55, 1330-1335.	1.6	18
53	Chemical structure and thermal properties of lignin modified with polyethylene glycol during steam explosion. <i>Wood Science and Technology</i> , 2017, 51, 135-150.	1.4	18
54	Electrospinning polyvinylidene fluoride/expanded graphite composite membranes as high efficiency and reusable water harvester. <i>Materials Letters</i> , 2017, 202, 78-81.	1.3	18

#	ARTICLE	IF	CITATIONS
55	A synergistic photothermal and photocatalytic membrane for efficient solar-driven contaminated water treatment. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5627-5637.	2.5	17
56	Effect of vibration parameters of electromagnetic dynamic plastics injection molding machine on mechanical properties of polypropylene samples. <i>Journal of Applied Polymer Science</i> , 2006, 102, 972-976.	1.3	16
57	Synergistic Effect Based on Enhanced Local Shear Forces in PVDF/TiO ₂ /CNT Ternary Composites. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 18887-18897.	1.8	16
58	Efficient fabrication of flame-retarding silicone rubber/hydroxylated boron nitride nanocomposites based on volumetric extensional rheology. <i>Chemical Engineering Journal</i> , 2022, 435, 135154.	6.6	16
59	Influences of ethylene-butylacrylate-glycidyl methacrylate on morphology and mechanical properties of poly(butylene terephthalate)/polyolefin elastomer blends. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	15
60	Properties of heat-treated sisal fiber/poly(lactide) composites. <i>Journal of Thermoplastic Composite Materials</i> , 2015, 28, 777-790.	2.6	15
61	Effects of dynamic elongational flow on the dispersion and mechanical properties of low-density polyethylene/nanoprecipitated calcium carbonate composites. <i>Polymer Composites</i> , 2014, 35, 884-891.	2.3	14
62	Effect of continuous elongational flow on structure and properties of short glass fiber reinforced polyamide 6 composites. <i>Advanced Industrial and Engineering Polymer Research</i> , 2019, 2, 93-101.	2.7	14
63	Properties of compression molded ultra-high molecular weight polyethylene products pretreated by eccentric rotor extrusion. <i>Polymer International</i> , 2019, 68, 862-870.	1.6	14
64	UHMWPE/organoclay nanocomposites fabricated by melt intercalation under continuous elongational flow: Dispersion, thermal behaviors and mechanical properties. <i>Polymer Engineering and Science</i> , 2019, 59, 547-554.	1.5	14
65	Microstructure evolution and mechanism of PLA/PVDF hybrid dielectrics fabricated under elongational flow. <i>Polymer</i> , 2021, 224, 123719.	1.8	14
66	Ultrafast Fabrication of Graphene-Reinforced Nanocomposites via Synergy of Steam Explosion and Alternating Convergent-Divergent Flow. <i>Small</i> , 2021, 17, e2100017.	5.2	14
67	Controlled localizing multi-wall carbon nanotubes in poly(vinylidene fluoride/acrylonitrile butadiene styrene) blends to achieve balanced dielectric constant and dielectric loss. <i>Composites Science and Technology</i> , 2021, 212, 108874.	3.8	14
68	Manufacturing polymer/clay nanocomposites through elongational flow technique. <i>Materials and Manufacturing Processes</i> , 2017, 32, 1409-1415.	2.7	13
69	Super-Tough and Highly-Ductile Poly(l-lactide)/Thermoplastic Polyurethane/Epoxy-Containing Ethylene Copolymer Blends Prepared by Reactive Blending. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900020.	1.7	13
70	Multifractal analysis on dispersion of immiscible high-density polyethylene/polystyrene blends processed via polymer vane plasticating extruder. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2328-2335.	1.3	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. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 142, 106242.	3.8	12
72	Isogeometric analysis based on geometric reconstruction models. <i>Frontiers of Mechanical Engineering</i> , 2021, 16, 782-797.	2.5	12

#	ARTICLE	IF	CITATIONS
73	Effects of the vibration parameters of a hydraulic, dynamic injection molding machine on the properties of low-density polyethylene samples in a plasticating process. <i>Journal of Applied Polymer Science</i> , 2010, 117, 1208-1212.	1.3	11
74	Mechanical Properties of Poly(Butylene Succinate) Reinforced with Continuously Steam-Exploded Cotton Stalk Bast. <i>Polymer-Plastics Technology and Engineering</i> , 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. <i>Polymer Composites</i> , 2014, 35, 208-216.	2.3	11
76	Short-time fabrication of well-mixed high-density polyethylene/ultrahigh-molecular-weight polyethylene blends under elongational flow: morphology, mechanical properties and mechanism. <i>Polymer International</i> , 2019, 68, 904-914.	1.6	11
77	Effect of screw axial vibration on polymer melting process in single-screw extruders. <i>Journal of Applied Polymer Science</i> , 2006, 100, 3860-3876.	1.3	10
78	Effect of initial fiber length on the rheological properties of sisal fiber/poly(lactic acid) composites. <i>Polymer Composites</i> , 2011, 32, 1218-1224.	2.3	10
79	Morphology, mechanical, and rheological properties of poly(lactic acid)/ethylene acrylic acid copolymer blends processing via vane extruder. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	10
80	Preparation and characterization of carbon fiber/poly(lactic acid)/thermoplastic polyurethane (CF/PLA/TPU) composites prepared by a vane mixer. <i>Journal of Polymer Engineering</i> , 2017, 37, 355-364.	0.6	10
81	Electrospun poly(vinylidene fluoride) membranes functioning as static charge storage device with controlled crystalline phase by inclusions of nanoscale graphite platelets. <i>Journal of Materials Science</i> , 2018, 53, 3038-3048.	1.7	10
82	Formation of polypropylene/functional graphene oxide nanocomposites with Different FGs loading in elongation flow condition. <i>Polymer Engineering and Science</i> , 2019, 59, 830-837.	1.5	10
83	Fabrication of iron oxide nanoparticle decorated boron nitride nanosheet for flame-retarding silicone rubber. <i>Materials Letters</i> , 2021, 283, 128712.	1.3	10
84	Nonaffine network structural model for molten Low-Density polyethylene and High-Density Polyethylene in oscillatory shear. <i>Journal of Shanghai University</i> , 2002, 6, 292-296.	0.1	9
85	Rheological behavior of a polymer melt under the impact of a vibration force field. <i>Journal of Applied Polymer Science</i> , 2007, 106, 1152-1159.	1.3	9
86	A promising screw-extrusion steam explosion pretreatment process: effects on the morphological and structural features of Eucalyptus woodchips. <i>RSC Advances</i> , 2016, 6, 109657-109663.	1.7	9
87	Investigation on Properties of Polypropylene/Multi-walled Carbon Nanotubes Nanocomposites Prepared by a Novel Eccentric Rotor Extruder Based on Elongational Rheology. <i>Journal of Macromolecular Science - Physics</i> , 2018, 57, 348-363.	0.4	9
88	Manufacturing High-Performance Polylactide by Constructing 3D Network Crystalline Structure with Adding Self-Assembly Nucleator. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 4567-4578.	1.8	9
89	Effect of Vibrating Extrusion on the Structure and Mechanical Properties of Isotactic Polypropylene. <i>Polymer-Plastics Technology and Engineering</i> , 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. <i>Journal of Polymer Engineering</i> , 2018, 38, 449-460.	0.6	8

#	ARTICLE	IF	CITATIONS
91	Mechanical and thermal properties of polybutylene terephthalate/ethylene-vinyl acetate blends using vane extruder. <i>E-Polymers</i> , 2018, 18, 67-73.	1.3	8
92	Dimensional impact of nanofillers on the micromorphology and rheology of PP/PS composites under continuous elongation flow. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2952-2962.	1.6	8
93	Non-isothermal crystallization kinetics and morphology of mica particles filled biodegradable poly(butylene succinate). <i>Journal of Applied Polymer Science</i> , 2013, 130, 2544-2556.	1.3	7
94	Study on the properties of polyethylene/montmorillonite nanocomposites prepared by a novel vane mixer. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	7
95	Effect of vibration parameters in plasticizing process on properties of polypropylene by dynamic injection molding. <i>Journal of Thermoplastic Composite Materials</i> , 2015, 28, 806-817.	2.6	7
96	Improved heat shrinkage and mechanical performances of polyethylene trilayer blown film prepared via novel multilayer coextrusion method. <i>Packaging Technology and Science</i> , 2019, 32, 309-321.	1.3	7
97	Toward high dielectric constant and low dielectric loss nanocomposite via kinetical migration. <i>Composites Science and Technology</i> , 2022, 221, 109310.	3.8	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. <i>Journal of Polymer Engineering</i> , 2015, 35, 753-764.	0.6	6
99	Electric field-induced alignment of MWCNTs during the processing of PP/MWCNT composites: effects on electrical, dielectric, and rheological properties. <i>Journal of Polymer Engineering</i> , 2018, 38, 881-889.	0.6	6
100	Properties and Morphology of Poly(Lactic Acid)/Calcium Carbonate Whiskers Composites Prepared by a Vane Mixer based on an Extensional Flow Field. <i>Journal of Macromolecular Science - Physics</i> , 2018, 57, 418-436.	0.4	6
101	A single step fabrication of bio-inspired high efficiency and durable water harvester made of polymer membranes. <i>Polymer</i> , 2019, 183, 121843.	1.8	6
102	Preparation and properties of biodegradable poly (lactic acid)/ethylene butyl acrylate glycidyl methacrylate blends via novel vane extruder. <i>Plastics, Rubber and Composites</i> , 2019, 48, 364-373.	0.9	6
103	Self-reinforced polyethylene enabled by cyclic pulsating pressure. <i>Polymer</i> , 2020, 202, 122665.	1.8	6
104	Effect of series explosion effects on the fiber length, fiber dispersion and structure properties in glass fiber reinforced polyamide 66. <i>Polymers for Advanced Technologies</i> , 2021, 32, 505-513.	1.6	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. <i>Soft Matter</i> , 2022, 18, 3412-3421.	1.2	6
106	Actuation Mechanisms of a Semicrystalline Elastomer-Based Polymer Artificial Muscle with High Actuation Strain. <i>Macromolecules</i> , 2022, 55, 3986-3999.	2.2	6
107	Dynamically vulcanized poly (lactic acid)/polyurethane/MXene nanocomposites with balanced stiffness and toughness. <i>Polymer</i> , 2022, 255, 125165.	1.8	6
108	Phase morphology control of immiscible polymer blends under vibration force field. <i>Journal of Applied Polymer Science</i> , 2006, 102, 2299-2307.	1.3	5

#	ARTICLE	IF	CITATIONS
109	Influence of Vibration on Density of Polymer Solid Granules in Single Screw Extruder. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 233-237.	1.9	5
110	Melting process and mechanism for vibration induced single-screw extruder. <i>Journal of Applied Polymer Science</i> , 2007, 104, 2504-2514.	1.3	5
111	The Preparation of Polypropylene/Wollastonite Composites with Tri-screw Dynamic Compounding Extruder. <i>Polymer-Plastics Technology and Engineering</i> , 2009, 48, 260-264.	1.9	5
112	Influences of dicumyl peroxide on morphology and mechanical properties of polypropylene/poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) blends via vane extruder. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	5
113	Solids conveying in the solids compaction zone of vane extruder. <i>Polymer Engineering and Science</i> , 2015, 55, 719-728.	1.5	5
114	Structure-property relationships in polypropylene/poly(ethylene-co-octene)/multiwalled carbon nanotube nanocomposites prepared via a novel eccentric rotor extruder. <i>Journal of Polymer Engineering</i> , 2018, 38, 427-435.	0.6	5
115	Preparation and characterization of poly(lactic acid)/sisal fiber bio-composites under continuous elongation flow. <i>Journal of Polymer Engineering</i> , 2018, 39, 76-84.	0.6	5
116	Effect of continuous elongational flow on structure and properties of poly(L-lactic acid)/poly(ethylene terephthalate) composites. <i>Polymer Engineering and Science</i> , 2019, 40, E617.	2.3	5
117	A novel method for industrial manufacturing of thermoplastic multilayer films: Processing, microstructure, and properties. <i>Polymer Engineering and Science</i> , 2019, 59, E339.	1.5	5
118	Polyethylene-Based Single Polymer Composites Prepared under Elongational Flow for High-Voltage Applications. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 18607-18615.	1.8	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. <i>Polymer Testing</i> , 2022, 111, 107610.	2.3	5
120	Scalable and cost-effective fabrication of self-floating three-dimensional interconnected polyethylene/multiwall carbon nanotubes composite foam for high evaporation performance. <i>Composites Part B: Engineering</i> , 2022, 243, 110111.	5.9	5
121	Effect of the axial vibration of screw on residence time distribution in single-screw extruders. <i>Polymer Engineering and Science</i> , 2006, 46, 198-204.	1.5	4
122	Numerical Simulation of Mixing Characteristics in a Vane Extruder. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 358-369.	0.4	4
123	Effects of eccentricity, temperature, velocity, and polymer properties on solids compressibility in vane extruder. <i>Polymer Engineering and Science</i> , 2014, 54, 1403-1411.	1.5	4
124	Pithecellobium Clypearia Benth Fiber/Recycled Acrylonitrile-Butadiene-Styrene (ABS) Composites Prepared in a Vane Extruder: Analysis of Mechanical Properties and Morphology. <i>Journal of Macromolecular Science - Physics</i> , 2015, 54, 1-16.	0.4	4
125	A novel PLA/P(3HB-co-4HB)/MWCNT composite featuring enhanced mechanical properties and excellent thermal stability based on elongational rheology. <i>Polymer Testing</i> , 2022, 114, 107700.	2.3	4
126	Experimental Studies and Mathematical Modeling of Melt-Pulsed Conveying in Screw Extruders. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 1137-1142.	1.9	3

#	ARTICLE	IF	CITATIONS
127	Orientation Kinetics of Screw-Axial Vibration on Glass Fiber Reinforced Polypropylene Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 186-198.	1.9	3
128	Study on Energy Ratio Model for Phase Morphology of Immiscible Polymer Blends. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 971-977.	1.9	2
129	Modeling of coat-changer die under vibrational extrusion. <i>Journal of Applied Polymer Science</i> , 2008, 107, 1006-1019.	1.3	2
130	Effect of the axial vibration of screw on total shear strain distribution of melt in single-screw extruders. <i>Journal of Applied Polymer Science</i> , 2008, 108, 3917-3926.	1.3	2
131	Total Strain of Newtonian Fluids in a Vane Extruder. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 800-812.	0.4	2
132	Crystallization, microstructure and mechanical properties of directionally oriented films prepared using a novel blowing-film process. <i>Polymer International</i> , 2022, 71, 1184-1192.	1.6	2
133	Simulation of nonisothermal flow of melt during melting process of vibration-induced polymer extruder. <i>Journal of Applied Polymer Science</i> , 2006, 102, 5825-5840.	1.3	1
134	Predictability of apparent viscosity in a vibratory shearing flow field. <i>Journal of Applied Polymer Science</i> , 2009, 113, 1560-1565.	1.3	1
135	Computer-aided experiment of using real-time small angle light scattering image processing technique for visual characterization flow field of polymer melts. <i>Polymer Bulletin</i> , 2009, 62, 345-354.	1.7	1
136	The Effects of Temperature and Roll Pressing on the Properties of iPP Sheets. <i>Polymer-Plastics Technology and Engineering</i> , 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. <i>Polymers</i> , 2021, 13, 2192.	2.0	1
138	The Effect of Vibration on Mechanical Properties of Blends of EPDM/PP in a Tri-screw Dynamic Mixing Extruder. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 795-799.	1.9	0
139	Experimental Study on the Influence of Pulsatile Injection Pressure on Filling Pressure and Filling Time. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 709-712.	1.9	0
140	Extrusion Characteristics of Round-Section Dies with VFF. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 203-208.	1.9	0
141	Theoretical and experimental study of the melting process of high-density polyethylene for multidimensional vibration equipment. <i>Journal of Applied Polymer Science</i> , 2011, 120, 2912-2920.	1.3	0
142	A Novel Mandrel-Free Blown Film Die with Ultrashort Flow Distance and Uniform Discharge: Theoretical Modeling and Simulation. <i>Industrial & Engineering Chemistry Research</i> , 0, , .	1.8	0