

# Jin-Ping Qu

## List of Publications by Citations

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132  
papers

1,921  
citations

25  
h-index

36  
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142  
ext. papers

2,516  
ext. citations

4.2  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
132	Mechanical and rheological properties of epoxidized soybean oil plasticized poly(lactic acid). <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 3185-3191	2.9	98
131	Preparation of polymer/clay nanocomposites via melt intercalation under continuous elongation flow. <i>Composites Science and Technology</i> , <b>2017</b> , 145, 157-164	8.6	76
130	Preparation, characterization and properties of PLA/TiO <sub>2</sub> nanocomposites based on a novel vane extruder. <i>RSC Advances</i> , <b>2015</b> , 5, 4639-4647	3.7	74
129	Thermal behavior, dynamic mechanical properties and rheological properties of poly(butylene succinate) composites filled with nanometer calcium carbonate. <i>Polymer Testing</i> , <b>2015</b> , 42, 160-167	4.5	65
128	Supertoughened Poly(lactic acid)/Polyurethane Blend Material by in Situ Reactive Interfacial Compatibilization via Dynamic Vulcanization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 17386-17393	3.9	64
127	Polyvinyl alcohol-modified Pithecellobium Clypearia Benth herbal residue fiber/polypropylene composites. <i>Polymer Composites</i> , <b>2016</b> , 37, 915-924	3	52
126	Solid conveying in vane extruder for polymer processing: Effects on pressure establishment. <i>Polymer Engineering and Science</i> , <b>2012</b> , 52, 2147-2156	2.3	50
125	One-Step and Solvent-Free Synthesis of Polyethylene Glycol-Based Polyurethane As Solid-Solid Phase Change Materials for Solar Thermal Energy Storage. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 3024-3032	3.9	48
124	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> , <b>2014</b> , 34, 1-9	4.5	44
123	Morphology study of immiscible polymer blends in a vane extruder. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 3576-3585	2.9	42
122	Characteristics Study of Polymer Melt Conveying Capacity in Vane Plasticization Extruder. <i>Polymer-Plastics Technology and Engineering</i> , <b>2009</b> , 48, 1269-1274		40
121	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> , <b>2019</b> , 169, 135-141	8.6	40
120	Study on the pulsating extrusion characteristics of polymer melt through round-sectioned die. <i>Polymer-Plastics Technology and Engineering</i> , <b>2002</b> , 41, 115-132		38
119	Morphology, rheology property, and crystallization behavior of PLLA/OMMT nanocomposites prepared by an innovative eccentric rotor extruder. <i>Polymers for Advanced Technologies</i> , <b>2018</b> , 29, 41-51 <sup>3-2</sup>		35
118	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 &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 10894-10907	3.9	32
117	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> , <b>2017</b> , 63, 73-83	4.5	31
116	Mechanical and thermal properties of epoxidized soybean oil plasticized polybutylene succinate blends. <i>Polymers for Advanced Technologies</i> , <b>2012</b> , 23, 632-638	3.2	30

115	Preparation and Characterization of Cross-Linked Poly(butylene succinate) by Multifunctional Toluene Diisocyanate/Trimethylolpropane Polyurethane Prepolymer. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 13677-13684	3.9	28
114	Optimization of water absorption of starch/PVA composites. <i>Polymer Composites</i> , <b>2007</b> , 28, 674-679	3	28
113	Efficient fabrication of lightweight polyethylene foam with robust and durable superhydrophobicity for self-cleaning and anti-icing applications. <i>Chemical Engineering Journal</i> , <b>2021</b> , 407, 127100	14.7	28
112	Electrospun polyvinylidene fluoride containing nanoscale graphite platelets as electret membrane and its application in air filtration under extreme environment. <i>Polymer</i> , <b>2017</b> , 131, 143-150	3.9	26
111	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> , <b>2019</b> , 200, 109987	6.4	26
110	Study on the properties of nano-TiO <sub>2</sub> /polybutylene succinate composites prepared by vane extruder. <i>Polymer Composites</i> , <b>2014</b> , 35, 53-59	3	26
109	Multivariable fuzzy decoupling control of the polymer electromagnetism dynamic extrusion process. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 116, 568-576	2.9	26
108	Power consumption in the compacting process of polymer particulate solids in a vane extruder. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 3923-3932	2.9	25
107	Novel dynamic elongational flow procedure for reinforcing strong, tough, thermally stable polypropylene/thermoplastic polyurethane blends. <i>Langmuir</i> , <b>2013</b> , 29, 13509-17	4	24
106	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> , <b>2021</b> , 4, 478-491	8.7	24
105	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> , <b>2019</b> , 180, 121656	3.9	23
104	In-situ thermal reduction and effective reinforcement of graphene nanosheet/poly (ethylene glycol)/poly (lactic acid) nanocomposites. <i>Polymers for Advanced Technologies</i> , <b>2014</b> , 25, 1515-1522	3.2	23
103	High Thermal Conductivity and Mechanical Strength Phase Change Composite with Double Supporting Skeletons for Industrial Waste Heat Recovery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 47174-47184	9.5	23
102	Thermoplastic polyurethane/polypropylene blends based on novel vane extruder: A study of morphology and mechanical properties. <i>Polymer Engineering and Science</i> , <b>2014</b> , 54, 716-724	2.3	22
101	Constructing Bone-Mimicking High-Performance Structured Poly(lactic acid) by an Elongational Flow Field and Facile Annealing Process. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 13411-13420	9.5	21
100	Electrospinning water harvesters inspired by spider silk and beetle. <i>Materials Letters</i> , <b>2018</b> , 211, 28-31	3.3	21
99	Mechanical, thermal and rheological properties and morphology of poly (lactic acid)/poly (propylene carbonate) blends prepared by vane extruder. <i>Polymers for Advanced Technologies</i> , <b>2016</b> , 27, 1430-1437	3.2	21
98	Preparation and properties of PBS/sisal-fiber composites. <i>Polymer Engineering and Science</i> , <b>2011</b> , 51, 474-481	2.3	20

97	The technique of electrospinning for manufacturing core-shell nanofibers. <i>Materials and Manufacturing Processes</i> , <b>2018</b> , 33, 202-219	4.1	18
96	Melt rheology of poly (lactic acid) plasticized by epoxidized soybean oil. <i>Wuhan University Journal of Natural Sciences</i> , <b>2009</b> , 14, 349-354	0.4	18
95	Novel flexible polyurethane/MXene composites with sensitive solar thermal energy storage behavior. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2021</b> , 149, 106505	8.4	16
94	Super-Toughened Poly(lactic Acid) with Poly(ε-caprolactone) and Ethylene-Methyl Acrylate-Glycidyl Methacrylate by Reactive Melt Blending. <i>Polymers</i> , <b>2019</b> , 11,	4.5	15
93	Mechanical properties and morphological behavior of calcium carbonate-filled polypropylene in dynamic injection molding. <i>Polymer International</i> , <b>2006</b> , 55, 1330-1335	3.3	15
92	Properties of heat-treated sisal fiber/polylactide composites. <i>Journal of Thermoplastic Composite Materials</i> , <b>2015</b> , 28, 777-790	1.9	14
91	Flammable and mechanical effects of silica on intumescent flame retardant/ethyleneoctene copolymer/polypropylene composites. <i>Journal of Thermoplastic Composite Materials</i> , <b>2015</b> , 28, 981-994	1.9	14
90	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> , <b>2014</b> , 54, 2292-2300	2.3	14
89	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> , <b>2020</b> , 30, 200570	15.6	14
88	Effect of vibration parameters of electromagnetic dynamic plastics injection molding machine on mechanical properties of polypropylene samples. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 972-976	2.9	13
87	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> , <b>2022</b> , e2200175	11	13
86	Electrospinning polyvinylidene fluoride/expanded graphite composite membranes as high efficiency and reusable water harvester. <i>Materials Letters</i> , <b>2017</b> , 202, 78-81	3.3	12
85	Effects of dynamic elongational flow on the dispersion and mechanical properties of low-density polyethylene/nanoprecipitated calcium carbonate composites. <i>Polymer Composites</i> , <b>2014</b> , 35, 884-891	3	12
84	Multifractal analysis on dispersion of immiscible high-density polyethylene/polystyrene blends processed via polymer vane plasticating extruder. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 2328-2333	2.9	12
83	Role of In situ thermal-reduced graphene oxide on the morphology and properties of biodegradable poly(Lactic acid)/poly(butylene succinate) blends. <i>Polymer Composites</i> , <b>2018</b> , 39, 3057-3065	3	11
82	Manufacturing polymer/clay nanocomposites through elongational flow technique. <i>Materials and Manufacturing Processes</i> , <b>2017</b> , 32, 1409-1415	4.1	11
81	Mechanical Properties of Poly(Butylene Succinate) Reinforced with Continuously Steam-Exploded Cotton Stalk Bast. <i>Polymer-Plastics Technology and Engineering</i> , <b>2011</b> , 50, 1405-1411		11
80	Caulis spatholobi residue fiber reinforced biodegradable poly (propylene carbonate) composites: The effect of fiber content on mechanical and morphological properties. <i>Polymer Composites</i> , <b>2014</b> , 35, 208-216	3	10

79	Effect of screw axial vibration on polymer melting process in single-screw extruders. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 100, 3860-3876	2.9	10
78	Chemical structure and thermal properties of lignin modified with polyethylene glycol during steam explosion. <i>Wood Science and Technology</i> , <b>2017</b> , 51, 135-150	2.5	9
77	Synergistic Effect Based on Enhanced Local Shear Forces in PVDF/TiO <sub>2</sub> /CNT Ternary Composites. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 18887-18897	3.9	9
76	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> , <b>2019</b> , 2, 93-101	7.3	9
75	Influences of ethyleneButylacrylateglycidyl methacrylate on morphology and mechanical properties of poly(butylene terephthalate)/polyolefin elastomer blends. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	9
74	Effect of initial fiber length on the rheological properties of sisal fiber/polylactic acid composites. <i>Polymer Composites</i> , <b>2011</b> , 32, 1218-1224	3	9
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> , <b>2010</b> , 117, 1208-1212	2.9	9
72	Rheological behavior of a polymer melt under the impact of a vibration force field. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 106, 1152-1159	2.9	9
71	Nonaffine network structural model for molten Low-Density polyethylene and High-Density Polyethylene in oscillatory shear. <i>Journal of Shanghai University</i> , <b>2002</b> , 6, 292-296		9
70	Microstructure evolution and mechanism of PLA/PVDF hybrid dielectrics fabricated under elongational flow. <i>Polymer</i> , <b>2021</b> , 224, 123719	3.9	9
69	UHMWPE/organoclay nanocomposites fabricated by melt intercalation under continuous elongational flow: Dispersion, thermal behaviors and mechanical properties. <i>Polymer Engineering and Science</i> , <b>2019</b> , 59, 547-554	2.3	9
68	Effect of Vibrating Extrusion on the Structure and Mechanical Properties of Isotactic Polypropylene. <i>Polymer-Plastics Technology and Engineering</i> , <b>2006</b> , 45, 1065-1071		8
67	Supertough, Ultrastrong, and Transparent Poly(lactic acid) via Directly Hot Pressing under Cyclic CompressingReleasing. <i>Macromolecules</i> , <b>2021</b> , 54, 4847-4853	5.5	8
66	A promising screw-extrusion steam explosion pretreatment process: effects on the morphological and structural features of Eucalyptus woodchips. <i>RSC Advances</i> , <b>2016</b> , 6, 109657-109663	3.7	8
65	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> , <b>2018</b> , 57, 348-363	1.4	8
64	Controlled localizing multi-wall carbon nanotubes in polyvinylidene fluoride/acrylonitrile butadiene styrene blends to achieve balanced dielectric constant and dielectric loss. <i>Composites Science and Technology</i> , <b>2021</b> , 212, 108874	8.6	8
63	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> , <b>2019</b> , 68, 904-914	3.3	7
62	Non-isothermal crystallization kinetics and morphology of mica particles filled biodegradable poly(butylene succinate). <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 2544-2556	2.9	7

61	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> , <b>2017</b> , 37, 355-364	1.4	7
60	Formation of polypropylene/functional graphene oxide nanocomposites with Different FGs loading in elongation flow condition. <i>Polymer Engineering and Science</i> , <b>2019</b> , 59, 830-837	2.3	7
59	Effect of vibration parameters in plasticizing process on properties of polypropylene by dynamic injection molding. <i>Journal of Thermoplastic Composite Materials</i> , <b>2015</b> , 28, 806-817	1.9	6
58	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> , <b>2018</b> , 38, 449-460	1.4	6
57	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> , <b>2018</b> , 53, 3038-3048	4.3	6
56	Dimensional impact of nanofillers on the micromorphology and rheology of PP/PS composites under continuous elongation flow. <i>Polymers for Advanced Technologies</i> , <b>2018</b> , 29, 2952-2962	3.2	6
55	Study on the properties of polyethylene/montmorillonite nanocomposites prepared by a novel vane mixer. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	6
54	Biomass porous potatoes/MXene encapsulated PEG-based PCMs with improved photo-to-thermal conversion capability. <i>Solar Energy Materials and Solar Cells</i> , <b>2022</b> , 237, 111559	6.4	6
53	Phase Formation of Polyvinylidene Fluoride via Hot Pressing under Cyclic Pulsating Pressure. <i>Macromolecules</i> , <b>2020</b> , 53, 8494-8501	5.5	6
52	Ultrafast Fabrication of Graphene-Reinforced Nanocomposites via Synergy of Steam Explosion and Alternating Convergent-Divergent Flow. <i>Small</i> , <b>2021</b> , 17, e2100017	11	6
51	Phase Morphology and Performance of Supertough PLA/EMA-GMA/ZrP Nanocomposites Prepared through Reactive Melt-Blending. <i>ACS Omega</i> , <b>2019</b> , 4, 19046-19053	3.9	6
50	Properties of compression molded ultra-high molecular weight polyethylene products pretreated by eccentric rotor extrusion. <i>Polymer International</i> , <b>2019</b> , 68, 862-870	3.3	5
49	Super-Tough and Highly-Ductile Poly(l-lactic acid)/Thermoplastic Polyurethane/Epoxide-Containing Ethylene Copolymer Blends Prepared by Reactive Blending. <i>Macromolecular Materials and Engineering</i> , <b>2019</b> , 304, 1900020	3.9	5
48	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> , <b>2018</b> , 57, 418-436	1.4	5
47	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> , <b>2014</b> , 131, n/a-n/a	2.9	5
46	Solids conveying in the solids compaction zone of vane extruder. <i>Polymer Engineering and Science</i> , <b>2015</b> , 55, 719-728	2.3	5
45	The Preparation of Polypropylene/Wollastonite Composites with Tri-screw Dynamic Compounding Extruder. <i>Polymer-Plastics Technology and Engineering</i> , <b>2009</b> , 48, 260-264		5
44	Melting process and mechanism for vibration induced single-screw extruder. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 2504-2514	2.9	5

43	Influence of Vibration on Density of Polymer Solid Granules in Single Screw Extruder. <i>Polymer-Plastics Technology and Engineering</i> , <b>2007</b> , 46, 233-237		5
42	Fabrication of iron oxide nanoparticle decorated boron nitride nanosheet for flame-retarding silicone rubber. <i>Materials Letters</i> , <b>2021</b> , 283, 128712	3.3	5
41	Preparation and properties of biodegradable poly (lactic acid)/ethylene butyl acrylate glycidyl methacrylate blends via novel vane extruder. <i>Plastics, Rubber and Composites</i> , <b>2019</b> , 48, 364-373	1.5	4
40	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> , <b>2015</b> , 54, 1-16	1.4	4
39	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> , <b>2015</b> , 35, 753-764	1.4	4
38	Self-reinforced polyethylene enabled by cyclic pulsating pressure. <i>Polymer</i> , <b>2020</b> , 202, 122665	3.9	4
37	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> , <b>2018</b> , 38, 427-435	1.4	4
36	Mechanical and thermal properties of polybutylene terephthalate/ethylene-vinyl acetate blends using vane extruder. <i>E-Polymers</i> , <b>2018</b> , 18, 67-73	2.7	4
35	Phase morphology control of immiscible polymer blends under vibration force field. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 2299-2307	2.9	4
34	Effect of the axial vibration of screw on residence time distribution in single-screw extruders. <i>Polymer Engineering and Science</i> , <b>2006</b> , 46, 198-204	2.3	4
33	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> , <b>2021</b> , 32, 505-513	3.2	4
32	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> , <b>2021</b> , 142, 106242	8.4	4
31	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> , <b>2018</b> , 38, 881-889	1.4	4
30	Effect of continuous elongational flow on structure and properties of poly(L-lactic acid)/poly(ethylene glycol) blend and its organo-modified montmorillonite nanocomposites. <i>Polymer Composites</i> , <b>2019</b> , 40, E617	3	3
29	A single step fabrication of bio-inspired high efficiency and durable water harvester made of polymer membranes. <i>Polymer</i> , <b>2019</b> , 183, 121843	3.9	3
28	Effects of eccentricity, temperature, velocity, and polymer properties on solids compressibility in vane extruder. <i>Polymer Engineering and Science</i> , <b>2014</b> , 54, 1403-1411	2.3	3
27	Influences of dicumyl peroxide on morphology and mechanical properties of polypropylene/poly(styrene-b-butadiene-b-styrene) blends via vane-extruder. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 132, n/a-n/a	2.9	3
26	Numerical Simulation of Mixing Characteristics in a Vane Extruder. <i>Journal of Macromolecular Science - Physics</i> , <b>2014</b> , 53, 358-369	1.4	3

25	Orientation Kinetics of Screw-Axial Vibration on Glass Fiber Reinforced Polypropylene Composites. <i>Polymer-Plastics Technology and Engineering</i> , <b>2008</b> , 47, 186-198		3
24	Experimental Studies and Mathematical Modeling of Melt-Pulsed Conveying in Screw Extruders. <i>Polymer-Plastics Technology and Engineering</i> , <b>2006</b> , 45, 1137-1142		3
23	Polyethylene-Based Single Polymer Composites Prepared under Elongational Flow for High-Voltage Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 18607-18615	3.9	3
22	A novel method for industrial manufacturing of thermoplastic multilayer films: Processing, microstructure, and properties. <i>Polymer Engineering and Science</i> , <b>2019</b> , 59, E339-E349	2.3	3
21	A synergistic photothermal and photocatalytic membrane for efficient solar-driven contaminated water treatment. <i>Sustainable Energy and Fuels</i> ,	5.8	3
20	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> , <b>2022</b> , 107006	8.4	3
19	Improved heat shrinkage and mechanical performances of polyethylene trilayer blown film prepared via novel multilayer coextrusion method. <i>Packaging Technology and Science</i> , <b>2019</b> , 32, 309-321	2.3	2
18	Preparation and characterization of poly(lactic acid)/sisal fiber bio-composites under continuous elongation flow. <i>Journal of Polymer Engineering</i> , <b>2018</b> , 39, 76-84	1.4	2
17	Total Strain of Newtonian Fluids in a Vane Extruder. <i>Journal of Macromolecular Science - Physics</i> , <b>2014</b> , 53, 800-812	1.4	2
16	Modeling of coat-hanger die under vibrational extrusion. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 107, 1006-1019	2.9	2
15	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> , <b>2008</b> , 108, 3917-3926	2.9	2
14	Study on Energy Ratio Model for Phase Morphology of Immiscible Polymer Blends. <i>Polymer-Plastics Technology and Engineering</i> , <b>2006</b> , 45, 971-977		2
13	Efficient fabrication of flame-retarding silicone rubber/hydroxylated boron nitride nanocomposites based on volumetric extensional rheology. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 135154	14.7	2
12	Isogeometric analysis based on geometric reconstruction models. <i>Frontiers of Mechanical Engineering</i> , 1	3.3	2
11	The Effects of Temperature and Roll Pressing on the Properties of iPP Sheets. <i>Polymer-Plastics Technology and Engineering</i> , <b>2010</b> , 49, 1108-1113		1
10	Predictability of apparent viscosity in a vibratory shearing flow field. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 1560-1565	2.9	1
9	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> , <b>2009</b> , 62, 345-354	2.4	1
8	Simulation of nonisothermal flow of melt during melting process of vibration-induced polymer extruder. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 5825-5840	2.9	1



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| 7 | 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> , <b>2022</b> , 111, 107610 | 4.5 | 1 |
| 6 | Toward high dielectric constant and low dielectric loss nanocomposite via kinetical migration. <i>Composites Science and Technology</i> , <b>2022</b> , 221, 109310  | 8.6 | 0 |
| 5 | Manufacturing High-Performance Polylactide by Constructing 3D Network Crystalline Structure with Adding Self-Assembly Nucleator. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2022</b> , 61, 4567-4578  | 3.8 | 0 |
| 4 | Theoretical and experimental study of the melting process of high-density polyethylene for multidimensional vibration equipment. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 2912-2920  | 2.9 |   |
| 3 | Extrusion Characteristics of Round-Section Dies with VFF. <i>Polymer-Plastics Technology and Engineering</i> , <b>2008</b> , 47, 203-208   |     |   |
| 2 | 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> , <b>2007</b> , 46, 795-799   |     |   |
| 1 | Experimental Study on the Influence of Pulsatile Injection Pressure on Filling Pressure and Filling Time. <i>Polymer-Plastics Technology and Engineering</i> , <b>2007</b> , 46, 709-712   |     |   |