

Ying Liu

List of Publications by Year in descending order

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69
papers

1,402
citations

331670

21
h-index

345221

36
g-index

70
all docs

70
docs citations

70
times ranked

1596
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of organic pollutants in near-neutral pH solution by Fe-C micro-electrolysis system. <i>Chemical Engineering Journal</i> , 2017, 315, 403-414.	12.7	145
2	Conductive Polymer Composites from Renewable Resources: An Overview of Preparation, Properties, and Applications. <i>Polymers</i> , 2019, 11, 187.	4.5	97
3	Biomimetic Moth-eye Nanofabrication: Enhanced Antireflection with Superior Self-cleaning Characteristic. <i>Scientific Reports</i> , 2018, 8, 5438.	3.3	93
4	Recent Progress in Metal-Based Nanoparticles Mediated Photodynamic Therapy. <i>Molecules</i> , 2018, 23, 1704.	3.8	81
5	Microneedle System for Transdermal Drug and Vaccine Delivery: Devices, Safety, and Prospects. <i>Dose-Response</i> , 2019, 17, 155932581987858.	1.6	75
6	Study of the properties of molecularly imprinted polymers by computational and conformational analysis. <i>Analytica Chimica Acta</i> , 2007, 581, 137-146.	5.4	64
7	Investigating the influences of electrode material property on degradation behavior of organic wastewaters by iron-carbon micro-electrolysis. <i>Chemical Engineering Journal</i> , 2018, 338, 46-54.	12.7	62
8	Spatial Confining Forced Network Assembly for preparation of high-performance conductive polymeric composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 102, 88-95.	7.6	61
9	Electrically conductive and super-tough polypropylene/carbon nanotube nanocomposites prepared by melt compounding. <i>Composites Part B: Engineering</i> , 2014, 56, 384-391.	12.0	54
10	Recent Advances in Preparation, Mechanisms, and Applications of Thermally Conductive Polymer Composites: A Review. <i>Journal of Composites Science</i> , 2020, 4, 180.	3.0	53
11	Highly thermally conductive and electrically insulating polydimethylsiloxane composites prepared by ultrasonic-assisted forced infiltration for thermal management applications. <i>Composites Part B: Engineering</i> , 2021, 224, 109207.	12.0	40
12	Thermal dissipation performance of metal-polymer composite heat exchanger with V-shape microgrooves: A numerical and experimental study. <i>Applied Thermal Engineering</i> , 2017, 121, 492-500.	6.0	39
13	Improved thermal conductivity of polydimethylsiloxane/short carbon fiber composites prepared by spatial confining forced network assembly. <i>Journal of Materials Science</i> , 2018, 53, 14299-14310.	3.7	38
14	Effects of alcohol and solvent on the performance of lipase from <i>Candida</i> sp. in enantioselective esterification of racemic ibuprofen. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 56, 126-130.	1.8	36
15	Rapid fabrication of microstructure on PMMA substrate by the plate to plate Transitionâ€spanning isothermal hot embossing method nearby glass transition temperature. <i>Polymer Engineering and Science</i> , 2017, 57, 268-274.	3.1	36
16	Improved electrical conductivity of PDMS/SCF composite sheets with bolting cloth prepared by a spatial confining forced network assembly method. <i>RSC Advances</i> , 2017, 7, 14761-14768.	3.6	35
17	Highly elastic and ultrathin nanopaper-based nanocomposites with superior electric and thermal characteristics. <i>Journal of Materials Science</i> , 2019, 54, 8436-8449.	3.7	35
18	Numerical simulation and experimental study of filling process of micro prism by isothermal hot embossing in solid-like state. <i>Advances in Polymer Technology</i> , 2018, 37, 1581-1591.	1.7	30

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19	Synergistic enhanced thermal conductivity of polydimethylsiloxane composites via introducing SCF and hetero-structured GB@rGO hybrid fillers. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 1756-1768.	21.1	29
20	Simple and Affordable Way To Achieve Polymeric Superhydrophobic Surfaces with Biomimetic Hierarchical Roughness. <i>ACS Omega</i> , 2019, 4, 2750-2757.	3.5	24
21	A mathematical model for predicting conductivity of polymer composites with a forced assembly network obtained by SCFNA method. <i>Polymer Composites</i> , 2019, 40, 1819-1827.	4.6	23
22	Multi-factor analysis on thermal conductive property of metal-polymer composite microstructure heat exchanger. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 27-35.	21.1	21
23	Enhanced thermal conduction of hybrid filler/polydimethylsiloxane composites via a continuous spatial confining process. <i>Composites Science and Technology</i> , 2022, 226, 109536.	7.8	20
24	Preparation and characterization of epoxy resin modified with alkoxy silane- ϵ -functionalized poly(urethane- ϵ -imide) by the sol-gel process. <i>Polymer International</i> , 2011, 60, 1594-1599.	3.1	19
25	Mechanically Enhanced Electrical Conductivity of Polydimethylsiloxane-Based Composites by a Hot Embossing Process. <i>Polymers</i> , 2019, 11, 56.	4.5	19
26	Cyclic resolution of racemic ibuprofen via coupled efficient lipase and acid-base catalysis. <i>Chirality</i> , 2009, 21, 349-353.	2.6	18
27	Optimal scaling analysis of polymeric microneedle length and its effect on transdermal insulin delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 56, 101547.	3.0	18
28	Optimal analysis for thermal conductivity variation of EVA/SCF composites prepared by spatial confining forced network assembly. <i>Materials Today Communications</i> , 2020, 25, 101206.	1.9	17
29	Rational Design and Study on Recognition Property of Paracetamol-Imprinted Polymer. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 328-342.	2.9	16
30	Preparation of superhydrophobic surface via one-step photopolymerization. <i>Materials Letters</i> , 2017, 190, 48-51.	2.6	12
31	Treatment of azo dye (Acid Orange λ) wastewater by pulsed high-voltage hybrid gas-liquid discharge. <i>RSC Advances</i> , 2015, 5, 71973-71979.	3.6	10
32	Multivariate time delay analysis based local KPCA fault prognosis approach for nonlinear processes. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 1413-1422.	3.5	10
33	Experimental investigation of the rheological behaviors of polypropylene in a capillary flow. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	9
34	Intensification of degradation of Sunset Yellow using packed bed in a pulsed high-voltage hybrid gas-liquid discharge system: Optimization of operating parameters, degradation mechanism and pathways. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 115, 23-33.	3.6	8
35	Efficient preparation of PDMS-based conductive composites using self-designed automatic equipment and an application example. <i>Journal of Polymer Engineering</i> , 2019, 39, 892-901.	1.4	8
36	A continuous spatial confining process towards high electrical conductivity of elastomer composites with a low percolation threshold. <i>Composites Science and Technology</i> , 2022, 218, 109155.	7.8	7

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37	An anchoring array assembly method for enhancing the electrical conductivity of composites of polypropylene and hybrid fillers. <i>Composites Science and Technology</i> , 2021, 211, 108846.	7.8	6
38	Influence of rigid particles on thermal conductivity enhancement of polydimethylsiloxane composite during spatial confining forced network assembly. <i>Journal of Applied Polymer Science</i> , 0, , 51679.	2.6	6
39	Correlation of Cooperatively Localized Rearrangement on the "Fluidized Domain" of Polymers to Their Nonexponentially Viscoelastic Behaviors at Double Aging Processes (I): A Set of Reduced Universal Equations on the Stress Relaxation Modulus and Creep Compliance with K-W-W Stretched Exponential Function. <i>Chinese Journal of Chemical Physics</i> , 2010, 23, 45-64.	1.3	4
40	Formation of hydrogen peroxide and treatment of Sunset Yellow wastewater using pulsed high-voltage discharge system. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 290-296.	1.7	4
41	Synthesis of a Fe/AC Fenton-like catalyst and heterogeneous catalysis in decolorization of Sunset Yellow by pulsed high-voltage discharge. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1970-1979.	3.2	4
42	Injection-Compression-Compression Process for Preparation of High-Performance Conductive Polymeric Composites. <i>Applied Composite Materials</i> , 2019, 26, 1139-1150.	2.5	4
43	Geometry dependence of the elongation behavior of a polypropylene melt through a micro die. <i>Polymer Testing</i> , 2017, 59, 185-192.	4.8	3
44	Research on the Key Technology in Ultra-Precision Machining of Optical Micro V-Groove Mold Roller. <i>Advanced Materials Research</i> , 0, 712-715, 1563-1567.	0.3	2
45	Secondary embossing method for the capsulation of high-sensitive flexible piezoresistive sensors. <i>Sensors and Actuators A: Physical</i> , 2022, 335, 113356.	4.1	2
46	Effect of the Light Diffuser Plate of Micro V-Cut Prism Structure on the Optical Property of LED Daylight Lamp. <i>Advanced Materials Research</i> , 2013, 712-715, 1279-1283.	0.3	1
47	Light Distribution Design on Different LED Lamp. <i>Advanced Materials Research</i> , 2013, 739, 394-399.	0.3	1
48	A facile approach to fabricate flexible capacitance sensor based on Spatial Confining Forced Network Assembly method for detecting and analyzing large deformation of damping rubber. <i>Journal of Applied Polymer Science</i> , 0, , 52220.	2.6	1
49	Utilization of Melt Fracture Phenomenon for the Preparation of Shark Skin Structured Hydrophobic Film. <i>Polymers</i> , 2021, 13, 4299.	4.5	1
50	Effects of Metering Configuration of Injection Molding Screws on Pressure-Developing Capability. <i>Advanced Materials Research</i> , 2012, 562-564, 591-594.	0.3	0
51	Study of the Orientation Detection of PVC-O Pipe by Rayleigh Waves. <i>Advanced Materials Research</i> , 0, 550-553, 3400-3405.	0.3	0
52	Evaluation of Injection Molding Screw Performance by Melt Viscosity Homogeneity. <i>Advanced Materials Research</i> , 2012, 562-564, 599-602.	0.3	0
53	Experimental Study of Rheological Characteristics of Polymer Melts in the Micro-Die. <i>Advanced Materials Research</i> , 2012, 550-553, 716-723.	0.3	0
54	Study on the Reflecting Properties of PET Composites with TiO ₂ , Glass Beads and Fluorescent Brightener. <i>Applied Mechanics and Materials</i> , 0, 229-231, 44-50.	0.2	0

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55	The Mechanism of Quasi-Dynamic Expansion Method and the Design of the Equipment for Manufacturing Biaxial Oriented PVC Pipes. Applied Mechanics and Materials, 0, 248, 387-390.	0.2	0
56	The Research on Structure Design of LED Fluorescent Lamp Microstructures Diffuser and the Effect on the Optical Properties. Advanced Materials Research, 0, 712-715, 1274-1278.	0.3	0
57	Design of Diffuse Reflection Composites and Study on Reflectivity Properties. Advanced Materials Research, 2013, 750-752, 885-889.	0.3	0
58	Influence of Light Scattering Particles on Optical Properties of Polymer Diffusion Plate. Key Engineering Materials, 0, 562-565, 984-990.	0.4	0
59	Analysis of the Influence of Bar-Defects to Warping of PMMA Products. Applied Mechanics and Materials, 2013, 275-277, 2166-2170.	0.2	0
60	The Mechanism of Quasi-Dynamic Expansion Method and the Design of the Equipment for Manufacturing Biaxial Oriented PVC Pipes. Applied Mechanics and Materials, 2013, 372, 410-415.	0.2	0
61	Preparation and Testing of the Microstructure Diffuse Reflection Plate Based on the Continuous Extrusion. Applied Mechanics and Materials, 2013, 372, 454-458.	0.2	0
62	Design of the Diffuse Reflector Cup with Microstructure and the Research on the Optical Performance. Applied Mechanics and Materials, 0, 372, 41-44.	0.2	0
63	The Experiment Measuring Method of Polymer Melt Bulk Modulus by PVT Principle. Key Engineering Materials, 0, 561, 75-79.	0.4	0
64	Study on the Reflecting Properties of HFHIPS. Advanced Materials Research, 0, 815, 154-158.	0.3	0
65	Microstructure and Wear Properties of TiC/Fe-Based Composite Coating Prepared by PTA Weld-Surfacing Process. Advanced Materials Research, 0, 652-654, 1780-1786.	0.3	0
66	The Design of the Polymer Diffuse Material with Microstructure and the Research of the Reflection Properties of Materials. Advanced Materials Research, 2013, 750-752, 903-907.	0.3	0
67	Preparation and Mechanical Properties of Layered Double Hydroxides/ Polystyrene Nanocomposites Prepared by an in-situ Bubble Stretching Method. Medziagotyra, 2014, 20, .	0.2	0
68	Research and Application of Improved Auto-associative Hierarchical Neural Network with Time Delay Estimation for Fault Diagnosis of Process. IFAC-PapersOnLine, 2015, 48, 877-882.	0.9	0
69	Comparisons of the rheological behaviors of polypropylene and polymethyl methacrylate in a capillary die. Journal of Applied Polymer Science, 2017, 134, .	2.6	0