

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58  
papers

1,247  
citations

17  
h-index

34  
g-index

60  
ext. papers

1,489  
ext. citations

4.6  
avg, IF

4.49  
L-index

#	Paper	IF	Citations
58	Electrically conductive and electromagnetic interference shielding of polyethylene composites with devisable carbon nanotube networks. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9369-9378	7.1	189
57	Effects of expandable graphite and ammonium polyphosphate on the flame-retardant and mechanical properties of rigid polyurethane foams. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 853-863	2.9	133
56	Enhanced mechanical and thermal properties of rigid polyurethane foam composites containing graphene nanosheets and carbon nanotubes. <i>Polymer International</i> , <b>2012</b> , 61, 1107-1114	3.3	103
55	Super-Robust Polylactide Barrier Films by Building Densely Oriented Lamellae Incorporated with Ductile in Situ Nanofibrils of Poly(butylene adipate-co-terephthalate). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8096-109	9.5	68
54	Electrical conductivity and major mechanical and thermal properties of carbon nanotube-filled polyurethane foams. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 3014-3019	2.9	63
53	Enhanced Heat Deflection Resistance via Shear Flow-Induced Stereocomplex Crystallization of Polylactide Systems. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 1692-1703	8.3	52
52	Interfacial Shish-Kebabs Lengthened by Coupling Effect of In Situ Flexible Nanofibrils and Intense Shear Flow: Achieving Hierarchy To Conquer the Conflicts between Strength and Toughness of Polylactide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 10148-10159	9.5	47
51	A Unique Double Percolated Polymer Composite for Highly Efficient Electromagnetic Interference Shielding. <i>Macromolecular Materials and Engineering</i> , <b>2016</b> , 301, 1232-1241	3.9	47
50	Improved adaptive immune genetic algorithm for optimal QoS-aware service composition selection in cloud manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 96, 4455-4465	3.2	45
49	Extensional Stress-Induced Orientation and Crystallization can Regulate the Balance of Toughness and Stiffness of Polylactide Films: Interplay of Oriented Amorphous Chains and Crystallites. <i>Macromolecules</i> , <b>2019</b> , 52, 5278-5288	5.5	33
48	Polyamide-6/Poly(lactic acid) Blends Compatibilized by the Maleic Anhydride Grafted Polyethylene-Octene Elastomer. <i>Polymer-Plastics Technology and Engineering</i> , <b>2010</b> , 49, 1241-1246		32
47	Improved performance balance of polyethylene by simultaneously forming oriented crystals and blending ultrahigh-molecular-weight polyethylene. <i>RSC Advances</i> , <b>2014</b> , 4, 1512-1520	3.7	31
46	Core-shell structure design of pulverized expandable graphite particles and their application in flame-retardant rigid polyurethane foams. <i>Polymer International</i> , <b>2014</b> , 63, 72-83	3.3	29
45	Anomalous attenuation and structural origin of positive temperature coefficient (PTC) effect in a carbon black (CB)/poly(ethylene terephthalate) (PET)/polyethylene (PE) electrically conductive microfibrillar polymer composite with a preferential CB distribution. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, E561	2.9	23
44	Study on the mode of intelligent chemical industry based on cyber-physical system and its implementation. <i>Advances in Engineering Software</i> , <b>2016</b> , 99, 18-26	3.6	22
43	Improved mechanical and barrier properties of low-density polyethylene nanocomposite films by incorporating hydrophobic graphene oxide nanosheets. <i>RSC Advances</i> , <b>2015</b> , 5, 80739-80748	3.7	21
42	Electrical Properties of an Ultralight Conductive Carbon Nanotube/Polymer Composite Foam Upon Compression. <i>Polymer-Plastics Technology and Engineering</i> , <b>2012</b> , 51, 304-306		18

41	The knowledge modeling system of ready-mixed concrete enterprise and artificial intelligence with ANN-GA for manufacturing production. <i>Journal of Intelligent Manufacturing</i> , <b>2016</b> , 27, 905-914	6.7	17
40	Baroplastics with Robust Mechanical Properties and Reserved Processability through Hydrogen-Bonded Interactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 12008-12016	9.5	16
39	Crystallization of linear low density polyethylene on an in situ oriented isotactic polypropylene substrate manipulated by an extensional flow field. <i>CrystEngComm</i> , <b>2016</b> , 18, 77-91	3.3	15
38	Morphology and non-isothermal crystallization of in-situ microfibrillar poly(ethylene terephthalate)/polyethylene blend obtained via rod die extrusion and hot stretch. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 6839-6842	4.3	14
37	Innovative enhancement of gas barrier properties of biodegradable poly(butylene succinate) nanocomposite films by introducing confined crystals. <i>RSC Advances</i> , <b>2016</b> , 6, 2530-2536	3.7	13
36	Segregated Conductive Ultrahigh-Molecular-Weight Polyethylene Composites Containing High-Density Polyethylene as Carrier Polymer of Graphene Nanosheets. <i>Polymer-Plastics Technology and Engineering</i> , <b>2012</b> , 51, 1483-1486		13
35	Non-isothermal crystallization of ethylene-vinyl acetate copolymer containing a high weight fraction of graphene nanosheets and carbon nanotubes. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2012</b> , 30, 879-892	3.5	13
34	Repeatable, room-temperature-processed baroplastic-carbon nanotube composites for electromagnetic interference shielding. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12955-12964	7.1	13
33	Realization of ultra-high barrier to water vapor by 3D-interconnection of super-hydrophobic graphene layers in polylactide films. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 14377-14386	13	11
32	Cloud manufacturing model in polymer material industry. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 84, 239-248	3.2	11
31	Robust cellulose nanocomposite films based on covalently cross-linked network with effective resistance to water permeability. <i>Carbohydrate Polymers</i> , <b>2019</b> , 211, 237-248	10.3	10
30	Robust hydrogel of regenerated cellulose by chemical crosslinking coupled with polyacrylamide network. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47811	2.9	10
29	Tailored Structure and Properties of Injection-Molded Atactic Polypropylene/Isotactic Polypropylene Blend. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 937-949	8.3	10
28	Crystallization behavior and morphology of one-step reaction compatibilized microfibrillar reinforced isotactic polypropylene/poly(ethylene terephthalate) (iPP/PET) blends. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2011</b> , 29, 540-551	3.5	10
27	Highly Efficient Composite Barrier Wall Consisting of Concentrated Graphene Oxide Nanosheets and Impermeable Crystalline Structure for Poly(lactic acid) Nanocomposite Films. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 9544-9554	3.9	9
26	Morphology and Crystallization Behavior of Compatibilized Isotactic Polypropylene/Poly(butylene terephthalate) Blends under Shear Flow. <i>Polymer-Plastics Technology and Engineering</i> , <b>2012</b> , 51, 507-513		8
25	A Surrogate-Assisted Approach for the Optimal Synthesis of Refinery Hydrogen Networks. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 16798-16812	3.9	7
24	Adaptive Modeling Strategy Integrating Feature Selection and Random Forest for Fluid Catalytic Cracking Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 11265-11274	3.9	7

23	Preparation and properties of carbon nanotube/binary-polymer composites with a double-segregated structure. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	7
22	In-situ synchrotron x-ray scattering study on isothermal crystallization of ethylene-vinyl acetate copolymers containing a high weight fraction of carbon nanotubes and graphene nanosheets. <i>Journal of Polymer Research</i> , <b>2012</b> , 19, 1	2.7	7
21	Deep-Learning Architecture in QSPR Modeling for the Prediction of Energy Conversion Efficiency of Solar Cells. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 18991-19000	3.9	7
20	Rapid preparation and continuous processing of polylactide stereocomplex crystallite below its melting point. <i>Polymer Bulletin</i> , <b>2019</b> , 76, 3371-3385	2.4	7
19	Quantification of pressure-induced $\beta$ crystals in isotactic polypropylene: The influence of shear and carbon nanotubes. <i>Polymer Crystallization</i> , <b>2018</b> , 1, e10002	0.9	6
18	Enhanced foamability of isotactic polypropylene composites by polypropylene-graft-carbon nanotube. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 961-968	2.9	6
17	Confined crystallization of poly(butylene succinate) intercalated into organoclays: role of surfactant polarity. <i>RSC Advances</i> , <b>2016</b> , 6, 68072-68080	3.7	5
16	Superhydrophobic, Self-Cleaning, and Robust Properties of Oriented Polylactide Imparted by Surface Structuring. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 6296-6304	8.3	5
15	Industrially Scalable Approach to Nanohybrid Shish Kebabs by In Situ Nanofibrillation of Isotactic Poly(propylene). <i>Macromolecular Chemistry and Physics</i> , <b>2015</b> , 216, 2241-2248	2.6	4
14	Online Optimization of Fluid Catalytic Cracking Process via a Hybrid Model Based on Simplified Structure-Oriented Lumping and Case-Based Reasoning. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 412-424	3.9	4
13	A Hybrid Algorithm for the Reliability Evaluation Models of Chemical Systems. <i>Quality and Reliability Engineering International</i> , <b>2017</b> , 33, 1337-1349	2.6	3
12	Simulation-Based Multiobjective Optimization of the Product Separation Process within an MTP Plant. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 12166-12178	3.9	3
11	Improved Random Forest Algorithm Based on Decision Paths for Fault Diagnosis of Chemical Process with Incomplete Data. <i>Sensors</i> , <b>2021</b> , 21,	3.8	3
10	Coal Industrial Supply Chain Network and Associated Evaluation Models. <i>Sustainability</i> , <b>2020</b> , 12, 9919	3.6	3
9	Comprehensive Machine Learning-Based Model for Predicting Compressive Strength of Ready-Mix Concrete. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
8	Integrating Feature Optimization using a Dynamic Convolutional Neural Network for Chemical Process Supervised Fault Classification. <i>Chemical Engineering Research and Design</i> , <b>2021</b> ,	5.5	3
7	A machine learning methodology for reliability evaluation of complex chemical production systems.. <i>RSC Advances</i> , <b>2020</b> , 10, 20374-20384	3.7	2
6	Coupling Effect of Mechanical and Thermal Rejuvenation for Polystyrene: Toward High Performance of Stiffness, Ductility, and Transparency. <i>Macromolecules</i> , <b>2021</b> , 54, 8875-8885	5.5	2

5	Room-temperature repeatedly processable baroplastic/boron nitride thermal management composite. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 10388-10397	7.1	2
4	Organic liquid stimuli-response behaviors of electrically conductive microfibrillar composite with a selective conductive component distribution. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 124, n/a-n/a	2.9	1
3	Strong and ductile poly(butylene adipate-co-terephthalate) biocomposites fabricated by oscillation shear injection molding. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	1
2	Adaptive Data Dimensionality Reduction for Chemical Process Modeling Based on the Information Criterion Related to Data Association and Redundancy. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2022</b> , 61, 1148-1166	3.9	0
1	Synthesis and optimization of refinery hydrogen network using surrogate models. <i>Computer Aided Chemical Engineering</i> , <b>2019</b> , 46, 655-660	0.6	