

Zheng-Ying Liu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8410354/zheng-ying-liu-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

124
papers

3,133
citations

32
h-index

51
g-index

125
ext. papers

3,937
ext. citations

5.6
avg, IF

5.51
L-index

#	Paper	IF	Citations
124	Hybrid graphene aerogels/phase change material composites: Thermal conductivity, shape-stabilization and light-to-thermal energy storage. <i>Carbon</i> , 2016 , 100, 693-702	10.4	263
123	An ice-templated assembly strategy to construct graphene oxide/boron nitride hybrid porous scaffolds in phase change materials with enhanced thermal conductivity and shape stability for light-thermal-electric energy conversion. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18841-18851	13	145
122	Macroporous three-dimensional MXene architectures for highly efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10446-10455	13	138
121	Novel photodriven composite phase change materials with bioinspired modification of BN for solar-thermal energy conversion and storage. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9625-9634	13	126
120	High-performance composite phase change materials for energy conversion based on macroscopically three-dimensional structural materials. <i>Materials Horizons</i> , 2019 , 6, 250-273	14.4	116
119	Flexible Anti-Biofouling MXene/Cellulose Fibrous Membrane for Sustainable Solar-Driven Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36589-36597	9.5	106
118	Multilayer structured AgNW/WPU-MXene fiber strain sensors with ultrahigh sensitivity and a wide operating range for wearable monitoring and healthcare. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15913-15927	13.2	159
117	Self-assembled core-shell polydopamine@MXene with synergistic solar absorption capability for highly efficient solar-to-vapor generation. <i>Nano Research</i> , 2020 , 13, 255-264	10	82
116	Multifunctional Thermal Management Materials with Excellent Heat Dissipation and Generation Capability for Future Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18739-18745	9.5	69
115	Photodriven Shape-Stabilized Phase Change Materials with Optimized Thermal Conductivity by Tailoring the Microstructure of Hierarchically Ordered Hybrid Porous Scaffolds. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6761-6770	8.3	62
114	Towards balanced strength and toughness improvement of isotactic polypropylene nanocomposites by surface functionalized graphene oxide. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3190-3199	13	60
113	Human Skin-Inspired Electronic Sensor Skin with Electromagnetic Interference Shielding for the Sensation and Protection of Wearable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40880-40889	9.5	59
112	Enhancing Thermomechanical Properties and Heat Distortion Resistance of Poly(l-lactide) with High Crystallinity under High Cooling Rate. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 654-661	8.3	58
111	Superhydrophobic polyurethane foam modified by graphene oxide. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 3530-3536	2.9	56
110	Electrically insulating POE/BN elastomeric composites with high through-plane thermal conductivity fabricated by two-roll milling and hot compression. <i>Advanced Composites and Hybrid Materials</i> , 2018 , 1, 160-167	8.7	56
109	Inorganic silica functionalized with PLLA chains via grafting methods to enhance the melt strength of PLLA/silica nanocomposites. <i>Polymer</i> , 2014 , 55, 5760-5772	3.9	51
108	A bridge-arched and layer-structured hollow melamine foam/reduced graphene oxide composite with an enlarged evaporation area and superior thermal insulation for high-performance solar steam generation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 2701-2711	13	49

107	Effect of temperature, crystallinity and molecular chain orientation on the thermal conductivity of polymers: a case study of PLLA. <i>Journal of Materials Science</i> , 2018 , 53, 10543-10553	4.3	45
106	Electro and Light-Active Actuators Based on Reversible Shape-Memory Polymer Composites with Segregated Conductive Networks. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30332-30340	9.5	44
105	Tuning the structure of graphene oxide and the properties of poly(vinyl alcohol)/graphene oxide nanocomposites by ultrasonication. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3163	13	44
104	Tannic acid functionalized graphene hydrogel for organic dye adsorption. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 165, 299-306	7	41
103	A high-performance temperature sensitive TPV/CB elastomeric composite with balanced electrical and mechanical properties via PF-induced dynamic vulcanization. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16989-16996	13	39
102	Effects of annealing on structure and deformation mechanism of isotactic polypropylene film with row-nucleated lamellar structure. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 1659-1666	2.9	38
101	Greatly accelerated crystallization of poly(lactic acid): cooperative effect of stereocomplex crystallites and polyethylene glycol. <i>Colloid and Polymer Science</i> , 2014 , 292, 163-172	2.4	38
100	A strain localization directed crack control strategy for designing MXene-based customizable sensitivity and sensing range strain sensors for full-range human motion monitoring. <i>Nano Energy</i> , 2020 , 74, 104814	17.1	37
99	A Facile Route to Fabricate Highly Anisotropic Thermally Conductive Elastomeric POE/NG Composites for Thermal Management. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1700946	4.6	37
98	Electrical properties and morphology of carbon black filled PP/EPDM blends: effect of selective distribution of fillers induced by dynamic vulcanization. <i>Journal of Materials Science</i> , 2013 , 48, 4942-4954	4.3	36
97	Two-step positive temperature coefficient effect with favorable reproducibility achieved by specific island-bridge electrical conductive networks in HDPE/PVDF/CNF composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 94, 21-31	8.4	35
96	High-melting-point crystals of poly(L-lactic acid) (PLLA): the most efficient nucleating agent to enhance the crystallization of PLLA. <i>CrystEngComm</i> , 2015 , 17, 2310-2320	3.3	35
95	Hierarchically Porous PVA Aerogel for Leakage-Proof Phase Change Materials with Superior Energy Storage Capacity. <i>Energy & Fuels</i> , 2020 , 34, 2471-2479	4.1	34
94	Morphology, rheology, crystallization behavior, and mechanical properties of poly(lactic acid)/poly(butylene succinate)/dicumyl peroxide reactive blends. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	33
93	Control of morphology and properties by the selective distribution of nano-silica particles with different surface characteristics in PA6/ABS blends. <i>Journal of Materials Science</i> , 2012 , 47, 4620-4631	4.3	33
92	Dopamine-induced functionalization of cellulose nanocrystals with polyethylene glycol towards poly(-lactic acid) bionanocomposites for green packaging. <i>Carbohydrate Polymers</i> , 2019 , 203, 275-284	10.3	32
91	Hierarchical unidirectional graphene aerogel/polyaniline composite for high performance supercapacitors. <i>Journal of Power Sources</i> , 2018 , 397, 189-195	8.9	30
90	Grafting polymerization of polylactic acid on the surface of nano-SiO ₂ and properties of PLA/PLA-grafted-SiO ₂ nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 3019-3027	2.9	29

89	Nanofibrillar Poly(vinyl alcohol) Ionic Organohydrogels for Smart Contact Lens and Human-Interactive Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 23514-23522	9.5	26
88	Interfacial relaxation mechanisms in polymer nanocomposites through the rheological study on polymer-grafted nanoparticles. <i>Polymer</i> , 2016 , 90, 264-275	3.9	25
87	Polymorphism of a high-molecular-weight racemic poly(L-lactide)/poly(D-lactide) blend: effect of melt blending with poly(methyl methacrylate). <i>RSC Advances</i> , 2015 , 5, 19058-19066	3.7	25
86	Crystallization and morphology of iPP/MWCNT prepared by compounding iPP melt with MWCNT aqueous suspension. <i>Colloid and Polymer Science</i> , 2009 , 287, 615-620	2.4	25
85	High actuated performance MWCNT/Ecoflex dielectric elastomer actuators based on layer-by-layer structure. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 125, 105527	8.4	24
84	Dynamic Electrical and Rheological Percolation in Isotactic Poly(propylene)/Carbon Black Composites. <i>Macromolecular Materials and Engineering</i> , 2012 , 297, 51-59	3.9	24
83	Effect of the carbon black structure on the stability and efficiency of the conductive network in polyethylene composites. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 3382-3389	2.9	24
82	Surface structure engineering for a bionic fiber-based sensor toward linear, tunable, and multifunctional sensing. <i>Materials Horizons</i> , 2020 , 7, 2450-2459	14.4	24
81	The effect of the grafted chains on the crystallization of PLLA/PLLA-grafted SiO ₂ nanocomposites. <i>Colloid and Polymer Science</i> , 2016 , 294, 801-813	2.4	23
80	Preparation of cellulose-graft-poly(lactic acid) via melt copolycondensation for use in poly(lactic acid) based composites: synthesis, characterization and properties. <i>RSC Advances</i> , 2016 , 6, 1973-1983	3.7	23
79	Unusual positive temperature coefficient effect of polyolefin/carbon fiber conductive composites. <i>Materials Letters</i> , 2016 , 164, 587-590	3.3	22
78	Tailoring Crystalline Morphology by High-Efficiency Nucleating Fiber: Toward High-Performance Poly(l-lactide) Biocomposites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20044-20054	9.5	21
77	Role of poly(lactic acid) in the phase transition of poly(vinylidene fluoride) under uniaxial stretching. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 1686-1696	2.9	20
76	Enhanced Thermal Conductivity and Balanced Mechanical Performance of PP/BN Composites with 1 vol% Finely Dispersed MWCNTs Assisted by OBC. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900081	4.6	19
75	Essential work of fracture evaluation of fracture behavior of glass bead filled linear low-density polyethylene. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 1781-1787	2.9	19
74	Enhancement effect of filler network on isotactic polypropylene/carbon black composite melts. <i>Colloid and Polymer Science</i> , 2011 , 289, 1673-1681	2.4	18
73	Supercooling-dependent morphology evolution of an organic nucleating agent in poly(L-lactide)/poly(D-lactide) blends. <i>CrystEngComm</i> , 2017 , 19, 1648-1657	3.3	17
72	Super-Toughed PLA Blown Film with Enhanced Gas Barrier Property Available for Packaging and Agricultural Applications. <i>Materials</i> , 2019 , 12,	3.5	16

71	Effect of cross-linking degree of EPDM phase on the electrical properties and formation of dual networks of thermoplastic vulcanizate composites based on isotactic polypropylene (iPP)/ethylene-propylene-diene rubber (EPDM) blends. <i>RSC Advances</i> , 2016 , 6, 74567-74574	3.7	16
70	Distinct positive temperature coefficient effect of polymer-carbon fiber composites evaluated in terms of polymer absorption on fiber surface. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 8081-7	3.6	16
69	Enantiomeric poly(D-lactide) with a higher melting point served as a significant nucleating agent for poly(L-lactide). <i>CrystEngComm</i> , 2015 , 17, 4334-4342	3.3	16
68	Formation and evolution of the carbon black network in polyethylene/carbon black composites: Rheology and conductivity properties. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	15
67	Balanced strength and ductility improvement of in situ crosslinked polylactide/poly(ethylene terephthalate glycol) blends. <i>RSC Advances</i> , 2015 , 5, 34821-34830	3.7	14
66	Preparing iPP/HDPE/CB functionally gradient materials: influence factors of components and processing. <i>Polymers for Advanced Technologies</i> , 2012 , 23, 695-701	3.2	14
65	Direct modification of polyketone resin for anion exchange membrane of alkaline fuel cells. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 420-431	9.3	13
64	Composition, Morphology and Properties of Poly(lactic acid) and Poly(butylene succinate) Copolymer System via Coupling Reaction. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013 , 50, 861-870	2.2	13
63	Effect of compounding procedure on morphology and crystallization behavior of isotactic polypropylene/high-density polyethylene/carbon black ternary composites. <i>Polymers for Advanced Technologies</i> , 2012 , 23, 1112-1120	3.2	13
62	Compatibilization of the poly(lactic acid)/poly(propylene carbonate) blends through in situ formation of poly(lactic acid)-b-poly(propylene carbonate) copolymer. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46009	2.9	13
61	A highly-deformable piezoresistive film composed of a network of carbon blacks and highly oriented lamellae of high-density polyethylene. <i>RSC Advances</i> , 2015 , 5, 31074-31080	3.7	12
60	Progress in polyketone materials: blends and composites. <i>Polymer International</i> , 2018 , 67, 1478-1487	3.3	12
59	Enhancing crystallization rate and melt strength of PLLA with four-arm PLLA grafted silica: The effect of molecular weight of the grafting PLLA chains. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45675	2.9	11
58	Strong shear-driven large scale formation of hybrid shish-kebab in carbon nanofiber reinforced polyethylene composites during the melt second flow. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 30452-30461	3.6	11
57	Improved dielectric properties of polymer-based composites with carboxylic functionalized multiwalled carbon nanotubes. <i>Journal of Thermoplastic Composite Materials</i> , 2019 , 32, 473-486	1.9	11
56	Shear field in the mold cavity of multimelt multi-injection molding revealed by the morphology distribution of a model polymer blend. <i>Polymer Engineering and Science</i> , 2014 , 54, 2345-2353	2.3	10
55	Insight into the nucleating and reinforcing efficiencies of carbon nanofillers in poly(vinylidene fluoride): a comparison between carbon nanotubes and carbon black. <i>Journal of Materials Science</i> , 2013 , 48, 8509-8519	4.3	10
54	Effect of Processing Method on Morphological and Rheological Properties of PC/CaCO ₃ Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2009 , 48, 788-793		10

53	A novel approach in preparing polymer/nano-CaCO ₃ composites. <i>Frontiers of Chemical Engineering in China</i> , 2008 , 2, 115-122		10
52	Effect of β and β nucleating agents on the fracture behavior of polypropylene-co-ethylene. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 591-597	2.9	10
51	Recent Advances in Multiresponsive Flexible Sensors towards E-skin: A Delicate Design for Versatile Sensing. <i>Small</i> , 2021 , e2103734	11	10
50	Electrolyte permeation and ion diffusion enhanced architectures for high performance all-solid-state flexible supercapacitors. <i>Journal of Power Sources</i> , 2021 , 482, 228996	8.9	10
49	An unusual transition from point-like to fibrillar crystals in injection-molded polyethylene articles induced by lightly cross-linking and melt penetration. <i>RSC Advances</i> , 2015 , 5, 21640-21650	3.7	9
48	Gelation of attractive particles in polymer melt. <i>Polymer</i> , 2012 , 53, 4293-4299	3.9	9
47	Preparation of carbon black/polypropylene nanocomposite with low percolation threshold using mild blending method. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 2629-2634	2.9	9
46	Scalable fabrication of flexible piezoresistive pressure sensors based on occluded microstructures for subtle pressure and force waveform detection. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16774-16783 ¹	7.1	9
45	Tunable wrinkle structure formed on surface of polydimethylsiloxane microspheres. <i>European Polymer Journal</i> , 2018 , 104, 99-105	5.2	8
44	An enhancement on the dielectric performance of poly(vinylidene fluoride)-based composite with graphene oxide-BaTiO ₃ hybrid. <i>Nanocomposites</i> , 2019 , 5, 61-66	3.4	8
43	Effect of Injection Parameters and Addition of Nanoscale Materials on the Shrinkage of Polypropylene Copolymer. <i>Journal of Macromolecular Science - Physics</i> , 2009 , 48, 573-586	1.4	8
42	Hierarchical crystalline structures induced by temperature profile in HDPE bars during melt penetration process. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 108-122	3.5	7
41	High Efficiency Conversion of Regenerated Cellulose Hydrogel Directly to Functionalized Cellulose Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700409	4.8	7
40	Factors influencing the resistivity-temperature behavior of carbon black filled isotactic polypropylene/high density polyethylene composites. <i>Polymer Bulletin</i> , 2014 , 71, 1403-1419	2.4	7
39	A dynamic study on nonlinear viscoelastic behavior of isotactic polypropylene/carbon black composite melts. <i>Colloid and Polymer Science</i> , 2011 , 289, 1927-1931	2.4	7
38	Photo-Driven Self-Healing of Arbitrary Nondestructive Damage in Polyethylene-Based Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1650-1657	9.5	7
37	Effect of aspect ratio of multi-wall carbon nanotubes on the dispersion in ethylene-octene block copolymer and the properties of the Nanocomposites. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	7
36	Preparation of functionalized cellulose nanoparticles and their effect on the crystallization behaviors of poly(L-lactide) based nanocomposites. <i>Polymer International</i> , 2018 , 67, 1535-1544	3.3	6

35	Morphological Evolution of Polystyrene/Polyethylene Blend Induced by Strong Second Melt Penetration. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 714-724	3.9	6
34	Mechanochemical preparation of thermoplastic cellulose oleate by ball milling. <i>Green Chemistry</i> , 2021 , 23, 2069-2078	10	6
33	New insights into the elasticity and multi-level relaxation of filler network with studies on the rheology of isotactic polypropylene/carbon black nanocomposite. <i>RSC Advances</i> , 2015 , 5, 65874-65883	3.7	5
32	A facile strategy towards heterogeneous preparation of thermoplastic cellulose grafted polyurethane from amorphous regenerated cellulose paste. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 177-186	7.9	5
31	Hierarchical crystalline morphologies induced by a distinctly different melt penetrating process. <i>RSC Advances</i> , 2015 , 5, 98299-98308	3.7	5
30	Phase morphology control and the selective localization of MWCNT for suppressing dielectric loss and enhancing the dielectric constant of HDPE/PA11/MWCNT composites. <i>RSC Advances</i> , 2016 , 6, 73056-73062	3.7	5
29	Synthesis of Inorganic Silica Grafted Three-arm PLLA and Their Behaviors for PLA Matrix. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019 , 37, 216-226	3.5	5
28	Imidazole-functionalized polyketone-based polyelectrolytes with efficient ionic channels and superwettability for alkaline polyelectrolyte fuel cells and multiple liquid purification. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14827-14840	13	5
27	Enhanced Rheological Properties of PLLA with a Purpose-Designed PDLA-PEG-PDLA Triblock Copolymer and the Application in the Film Blowing Process to Acquire Biodegradable PLLA Films. <i>ACS Omega</i> , 2019 , 4, 13295-13302	3.9	4
26	Study of the morphology and temperature-resistivity effect of injection-molded iPP/HDPE/CB composites. <i>Polymer Bulletin</i> , 2014 , 71, 1711-1725	2.4	4
25	Enhanced dielectric properties of polyamide 11/multi-walled carbon nanotubes composites. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	4
24	A new understanding concerning the influence of structural changes on the thermal behavior of cellulose. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	4
23	Highly anisotropic functional conductors fabricated by multi-melt multi-injection molding (M3IM): A synergetic role of multiple melt flows and confined interface. <i>Composites Science and Technology</i> , 2019 , 171, 127-134	8.6	4
22	Leakage-Proof and Malleable Polyethylene Wax Vitrimer Phase Change Materials for Thermal Interface Management. <i>ACS Applied Energy Materials</i> ,	6.1	4
21	Role of Controlled Diameter of Polyamide 6 (PA6) Fibers on the Formation of Interfacial Hybrid Crystal Morphology in HDPE/PA6 Microfibril Blend. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 9056-9064	3.9	3
20	Morphologies, interfacial interaction and mechanical performance of super-tough nanostructured PK/PA6 blends. <i>Polymer Testing</i> , 2020 , 91, 106777	4.5	3
19	Synthesis of thermoplastic cellulose grafted polyurethane from regenerated cellulose. <i>Cellulose</i> , 2020 , 27, 8667-8679	5.5	3
18	A Facile and Rapid Approach to Lotus-Seedpod-Structured Electronic Skin for Monitoring Diverse Physical Stimuli. <i>Advanced Materials Technologies</i> , 2021 , 6, 2001084	6.8	3

17	Electrospun Modified Polyketone-Based Anion Exchange Membranes with High Ionic Conductivity and Robust Mechanical Properties. <i>ACS Applied Energy Materials</i> , 2021 , 4, 5187-5200	6.1	3
16	Motion mode of poly(lactic acid) chains in film during strain-induced crystallization. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	3
15	Enhanced performance of porous silicone-based dielectric elastomeric composites by low filler content of Ag@SiO ₂ Core-Shell nanoparticles. <i>Nanocomposites</i> , 2018 , 4, 238-243	3.4	3
14	Construction of dual conductive network in paper-based composites towards flexible degradable dual-mode sensor. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 151, 106649	8.4	3
13	Scalable Flexible Phase Change Materials with a Swollen Polymer Network Structure for Thermal Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	3
12	The molecular weight dependence of the crystallization behavior of four-arm poly(L-lactide). <i>Colloid and Polymer Science</i> , 2016 , 294, 1865-1870	2.4	2
11	Preparation and characterization of isotactic polypropylene/high-density polyethylene/carbon black conductive films with strain-sensing behavior. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	2
10	Enhancing the conductivity of isotactic polypropylene/polyethylene/carbon black composites by oscillatory shear. <i>Colloid and Polymer Science</i> , 2013 , 291, 3005-3011	2.4	2
9	In-situ construction of high-modulus nanospheres on elastomer fibers for linearity-tunable strain sensing. <i>Chemical Engineering Journal</i> , 2021 , 431, 133488	14.7	2
8	Excellent mechanical performance and enhanced dielectric properties of OBC/SiO ₂ elastomeric nanocomposites: effect of dispersion of the SiO ₂ nanoparticles. <i>RSC Advances</i> , 2017 , 7, 46297-46305	3.7	1
7	Isothermal-Treatment-Induced Network Formation of Carbon Black in Isotactic Polypropylene/Carbon Black Composites. <i>Journal of Macromolecular Science - Physics</i> , 2013 , 52, 762-772	1.4	1
6	Vitrimers of polyolefin elastomer with physically cross-linked network. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	1
5	Study on the improved electromechanical properties of composited dielectric elastomer by tailoring three-dimensional segregated multi-walled carbon nanotube (MWCNT) network. <i>Composites Science and Technology</i> , 2022 , 223, 109424	8.6	1
4	Polyaniline/Small-Sized MXene/Carbon Cloth Electrodes with 3D Hierarchical Porous Structure for All-Solid-State Flexible Supercapacitors. <i>Energy Technology</i> , 2200145	3.5	1
3	New understanding for the formation of conductive network in the nanocomposites during the crystallization of matrix. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	0
2	Hierarchical crystalline structures induced by temperature profile in HDPE bars during melt penetration process. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016 , 1	3.5	
1	Construction of Core-Shell Structure for improved thermal conductivity and mechanical properties of polyamide 6 composites. <i>Polymer Bulletin</i> , 2021 , 78, 2791-2803	2.4	