

Changyu Shen

List of Publications by Year in descending order

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229
papers

13,383
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20817

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Nonisothermal melt and cold crystallization behaviors of biodegradable poly(lactic acid)/Ti3C2Tx MXene nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 2239-2251.	3.6	10
2	Simulation of Polymer Melt Injection Molding Filling Flow Based on an Improved SPH Method with Modified Low- ϵ Dissipation Riemann Solver. <i>Macromolecular Theory and Simulations</i> , 2022, 31, 2100029.	1.4	10
3	Electromagnetic interference shielding enhancement of poly(lactic acid)-based carbonaceous nanocomposites by poly(ethylene oxide)-assisted segregated structure: a comparative study of carbon nanotubes and graphene nanoplatelets. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 209-219.	21.1	69
4	Fabrication of Polyether Ether Ketone Foams with Superior Properties and Mitigated Weld Lines by Microcellular Injection Molding. <i>Advanced Engineering Materials</i> , 2022, 24, 2100766.	3.5	5
5	Markedly improved hydrophobicity of cellulose film via a simple one-step aminosilane-assisted ball milling. <i>Carbohydrate Polymers</i> , 2022, 275, 118701.	10.2	13
6	Flexible layered cotton cellulose-based nanofibrous membranes for piezoelectric energy harvesting and self-powered sensing. <i>Carbohydrate Polymers</i> , 2022, 275, 118740.	10.2	16
7	Stretchable, Sensitive Strain Sensors with a Wide Workable Range and Low Detection Limit for Wearable Electronic Skins. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4562-4570.	8.0	35
8	Facile preparation of a cellulose derived carbon/BN composite aerogel for superior electromagnetic wave absorption. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5311-5320.	5.5	20
9	Ni Flower/MXene-Melamine Foam Derived 3D Magnetic/Conductive Networks for Ultra-Efficient Microwave Absorption and Infrared Stealth. <i>Nano-Micro Letters</i> , 2022, 14, 63.	27.0	108
10	Farming-Inspired Continuous Fabrication of Grating Flexible Transparent Film with Anisotropic Conductivity. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	4
11	Microspheres Modified with Superhydrophobic Non-Woven Fabric with High-Efficiency Oil-Water Separation: Controlled Water Content in PLA Solution. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	3.6	12
12	MXene/Poly(lactic acid) Fabric-Based Resonant Cavity for Realizing Simultaneous High-Performance Electromagnetic Interference (EMI) Shielding and Efficient Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14607-14617.	8.0	17
13	Combined effect of poly(ethylene glycol) and boron nitride nanosheets on the crystallization behavior and thermal properties of poly(lactic acid). <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 11147-11158.	3.6	2
14	Self-Reinforced Thermoplastic Polyurethane Wrinkled Foams with High Energy Absorption Realized by Gas Cooling Assisted Supercritical CO ₂ Foaming. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 4832-4841.	3.7	3
15	Environment-tolerant conductive and superhydrophobic poly(m-phenylene isophthalamide) fabric prepared via γ activation and reduced graphene oxide/nano-SiO ₂ modification. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	3
16	Hierarchical HCF@NC/Co Derived from Hollow Loofah Fiber Anchored with Metal-Organic Frameworks for Highly Efficient Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2038-2050.	8.0	44
17	é«~è',âé€ŸçŽ†çš,,è€ç»»†ç%©âŸ°â...”â©â™â”ç””â...%çf-ç”µçfè’,â’â™”. <i>Science China Materials</i> , 2022, 65, 2479-2490.	3.7	17
18	Impedance response behavior and mechanism study of axon-like ionic conductive cellulose-based hydrogel strain sensor. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 1812-1820.	21.1	50

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19	Mechanically robust and conductive poly(acrylamide) nanocomposite hydrogel by the synergistic effect of vinyl hybrid silica nanoparticle and polypyrrole for human motion sensing. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 2834-2846.	21.1	46
20	Graphene oxide/thermoplastic polyurethane wrinkled foams with enhanced compression performance fabricated by dynamic supercritical CO_2 foaming. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	8
21	Amino Termination of Ti_3C_2 MXene Induces its Graphene Hybridized Film with Enhanced Ordered Nanostructure and Excellent Multiperformance. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	3
22	Crystallization Behavior of Rapid-Compression-Induced Mesomorphic Isotactic Polypropylene during Uniaxial Stretching at Different Temperatures. <i>Polymer Crystallization</i> , 2022, 2022, 1-13.	0.8	0
23	Constructing nickel chain/MXene networks in melamine foam towards phase change materials for thermal energy management and absorption-dominated electromagnetic interference shielding. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 755-765.	21.1	105
24	Engineering hierarchical heterostructure material based on metal-organic frameworks and cotton fiber for high-efficient microwave absorber. <i>Nano Research</i> , 2022, 15, 6841-6850.	10.4	59
25	Multi-stimuli-responsive actuator based on bilayered thermoplastic film. <i>Soft Matter</i> , 2022, 18, 5052-5059.	2.7	8
26	Comparative study of the crystallization behavior and morphologies of carbon and glass fiber reinforced poly(ether ether ketone) composites. <i>Polymers and Polymer Composites</i> , 2021, 29, 1229-1239.	1.9	7
27	Effect of a small amount of poly(ethylene oxide) on crystal polymorphism of poly(L-lactic acid). <i>Polymer Bulletin</i> , 2021, 78, 6837-6846.	3.3	5
28	PAANA-induced ductile SEI of bare micro-sized FeS enables high sodium-ion storage performance. <i>Science China Materials</i> , 2021, 64, 105-114.	6.3	23
29	Facile Fabrication of Nylon66/Multi-Wall Carbon Nanotubes/Polyvinyl Alcohol Nanofiber Bundles for Use as Humidity Sensors. <i>Journal of Macromolecular Science - Physics</i> , 2021, 60, 368-380.	1.0	1
30	Recent Progress on the Alloy-Based Anode for Sodium-Ion Batteries and Potassium-Ion Batteries. <i>Small</i> , 2021, 17, e1903194.	10.0	284
31	An asymmetric sandwich structural cellulose-based film with self-supported MXene and AgNW layers for flexible electromagnetic interference shielding and thermal management. <i>Nanoscale</i> , 2021, 13, 2378-2388.	5.6	141
32	Improved microwave absorption performance of double helical C/Co@CNT nanocomposite with hierarchical structures. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2178-2189.	5.5	49
33	Lightweight, Superelastic, and Hydrophobic Polyimide Nanofiber /MXene Composite Aerogel for Wearable Piezoresistive Sensor and Oil/Water Separation Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2008006.	14.9	340
34	A resilient and lightweight bacterial cellulose-derived C/rGO aerogel-based electromagnetic wave absorber integrated with multiple functions. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5566-5577.	10.3	62
35	Robust and efficient UV-reflecting one-dimensional photonic crystals enabled by organic/inorganic nanocomposite thin films for photoprotection of transparent polymers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4223-4232.	5.5	5
36	Flexible Transparent Polypyrrole-Decorated MXene-Based Film with Excellent Photothermal Energy Conversion Performance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8909-8918.	8.0	64

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37	Biodegradable PLA/CNTs/Ti ₃ C ₂ T _x MXene nanocomposites for efficient electromagnetic interference shielding. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 25952-25962.	2.2	10
38	Flexible multilayered MXene/thermoplastic polyurethane films with excellent electromagnetic interference shielding, thermal conductivity, and management performances. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 274-285.	21.1	237
39	Multifunctional Magnetic Ti ₃ C ₂ T _x MXene/Graphene Aerogel with Superior Electromagnetic Wave Absorption Performance. <i>ACS Nano</i> , 2021, 15, 6622-6632.	14.6	503
40	Ultra-High Initial Coulombic Efficiency Induced by Interface Engineering Enables Rapid, Stable Sodium Storage. <i>Angewandte Chemie</i> , 2021, 133, 11582-11587.	2.0	17
41	Environment Tolerant Conductive Nanocomposite Organohydrogels as Flexible Strain Sensors and Power Sources for Sustainable Electronics. <i>Advanced Functional Materials</i> , 2021, 31, 2101696.	14.9	179
42	Ultrathin flexible poly(vinylidene fluoride)/MXene/silver nanowire film with outstanding specific EMI shielding and high heat dissipation. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 505-513.	21.1	190
43	Microribbon Structured Polyvinylidene Fluoride with High-Performance Piezoelectricity for Sensing Application. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2411-2419.	4.4	15
44	Ultra-High Initial Coulombic Efficiency Induced by Interface Engineering Enables Rapid, Stable Sodium Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11481-11486.	13.8	124
45	Superhydrophobic cellulose acetate/multiwalled carbon nanotube monolith with fiber cluster network for selective oil/water separation. <i>Carbohydrate Polymers</i> , 2021, 259, 117750.	10.2	33
46	Simultaneously improved solid particle erosion resistant and strength of graphene nanoplates/carbon nanotube enhanced thermoplastic polyurethane films. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50924.	2.6	2
47	Versatile Janus Composite Nonwoven Solar Absorbers with Salt Resistance for Efficient Wastewater Purification and Desalination. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24945-24956.	8.0	49
48	Electrostatic self-assembled NiFe ₂ O ₄ /Ti ₃ C ₂ T _x MXene nanocomposites for efficient electromagnetic wave absorption at ultralow loading level. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 602-613.	21.1	97
49	Asymmetric Superhydrophobic Textiles for Electromagnetic Interference Shielding, Photothermal Conversion, and Solar Water Evaporation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28996-29007.	8.0	65
50	Tunable and Nacre-Mimetic Multifunctional Electronic Skins for Highly Stretchable Contact/Noncontact Sensing. <i>Small</i> , 2021, 17, e2100542.	10.0	69
51	Highly Thermal Conductive Poly(vinyl alcohol) Composites with Oriented Hybrid Networks: Silver Nanowire Bridged Boron Nitride Nanoplatelets. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32286-32294.	8.0	67
52	Simple Approach to Fabricate an Anisotropic Wetting Surface with High Adhesive Force toward Droplet Transfer. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4470-4477.	4.4	1
53	Synergistic Effect of Pressurization Rate and I ² -Form Nucleating Agent on the Multi-Phase Crystallization of iPP. <i>Polymers</i> , 2021, 13, 2984.	4.5	2
54	Bioinspired Multifunctional Photonic-Electronic Smart Skin for Ultrasensitive Health Monitoring, for Visual and Self-Powered Sensing. <i>Advanced Materials</i> , 2021, 33, e2102332.	21.0	107

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55	Constructing dual thermal conductive networks in electrospun polyimide membranes with highly thermally conductivity but electrical insulation properties. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 1102-1112.	21.1	47
56	Flexible Ag Microparticle/MXene-Based Film for Energy Harvesting. <i>Nano-Micro Letters</i> , 2021, 13, 201.	27.0	57
57	Ultra-stretchable and multifunctional wearable electronics for superior electromagnetic interference shielding, electrical therapy and biomotion monitoring. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7238-7247.	10.3	65
58	Fire/heat-resistant, anti-corrosion and folding Ti ₂ C ₃ T _x /MXene/single-walled carbon nanotube films for extreme-environmental EMI shielding and solar-thermal conversion applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10425-10434.	5.5	45
59	Crystallization behavior of poly(lactic acid) and its blends. <i>Polymer Crystallization</i> , 2021, 4, e10171.	0.8	7
60	High-efficiency electromagnetic interference shielding capability of magnetic Ti ₃ C ₂ T _x /MXene/CNT composite film. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24560-24570.	10.3	68
61	Flexible Conductive Polyimide Fiber/MXene Composite Film for Electromagnetic Interference Shielding and Joule Heating with Excellent Harsh Environment Tolerance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50368-50380.	8.0	85
62	The Synergistic Effect of Rare-Earth Complex Nucleating Agent and Graphene Oxide on the Non-isothermal Crystallization Behavior of iPP Originating From the Diverse Self-Assembly Morphology. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000357.	2.2	6
63	Influence of crystal orientation on stretching induced void formation in poly(4-methylpentene) investigated by in-situ small-angle and wide-angle X-ray scattering. <i>Polymer Crystallization</i> , 2021, 4, e10215.	0.8	0
64	FeCo alloy nanoparticle decorated cellulose based carbon aerogel as a low-cost and efficient electromagnetic microwave absorber. <i>Journal of Materials Chemistry C</i> , 2021, 10, 126-134.	5.5	30
65	Self-Nucleation of β -Form Isotactic Polypropylene Lamellar Crystals in Thin Films. <i>Macromolecules</i> , 2021, 54, 11404-11411.	4.8	16
66	Highly Tunable Piezoelectricity of Flexible Nanogenerators Based on 3D Porously Architected Membranes for Versatile Energy Harvesting and Self-Powered Multistimulus Sensing. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 17128-17141.	6.7	15
67	Bimetal Synergistic Effect Induced High Reversibility of Conversion-Type Ni@NiCo ₂ S ₄ as a Free-Standing Anode for Sodium Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1435-1442.	4.6	54
68	Transparent Conductive Flexible Trilayer Films for a Deicing Window and Self-Recover Bending Sensor Based on a Single-Walled Carbon Nanotube/Polyvinyl Butyral Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1454-1464.	8.0	27
69	Selective dispersion of carbon nanotubes and nanoclay in biodegradable poly(μ -caprolactone)/poly(lactic acid) blends with improved toughness, strength and thermal stability. <i>International Journal of Biological Macromolecules</i> , 2020, 153, 1272-1280.	7.5	40
70	High-Performance Wearable Strain Sensor Based on Graphene/Cotton Fabric with High Durability and Low Detection Limit. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1474-1485.	8.0	125
71	Simultaneously reinforcing and toughening poly(lactic acid) by incorporating reactive melt-functionalized silica nanoparticles. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48834.	2.6	7
72	Temperature-dependent orientation of poly(ether ether ketone) under uniaxial tensile and its correlation with mechanical properties. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 1361-1369.	3.6	11

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73	Nucleation Mechanism for Form II to I Polymorphic Transformation in Polybutene-1. <i>Macromolecules</i> , 2020, 53, 6476-6485.	4.8	21
74	Fabrication of hierarchically porous superhydrophilic polycaprolactone monolith based on nonsolvent-thermally induced phase separation. <i>RSC Advances</i> , 2020, 10, 26319-26325.	3.6	13
75	An analytical model for temperature and crystalline evolution analysis of carbon fiber reinforced polymer composites during cooling. <i>Polymer Composites</i> , 2020, 41, 4074-4083.	4.6	1
76	Ultrafast printing of continuous fiber-reinforced thermoplastic composites with ultrahigh mechanical performance by ultrasonic-assisted laminated object manufacturing. <i>Polymer Composites</i> , 2020, 41, 4706-4715.	4.6	23
77	Mechanical, Thermal, and Rheological Properties of Ti ₃ C ₂ T _x MXene/Thermoplastic Polyurethane Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000343.	3.6	44
78	Dewetting-Induced Alignment and Ordering of Cylindrical Mesophases in Thin Block Copolymer Films. <i>Macromolecules</i> , 2020, 53, 9631-9640.	4.8	6
79	Foaming Behaviors and Mechanical Properties of Injection-Molded Polylactide/Cotton-Fiber Composites. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 17885-17893.	3.7	9
80	Flexible conductive MXene/cellulose nanocrystal coated nonwoven fabrics for tunable wearable strain/pressure sensors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21131-21141.	10.3	176
81	Flexible MXene/Silver Nanowire-Based Transparent Conductive Film with Electromagnetic Interference Shielding and Electro-Photo-Thermal Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40859-40869.	8.0	231
82	Shish-Kebab-Structured UHMWPE Coating for Efficient and Cost-Effective Oil-Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 58252-58262.	8.0	18
83	Flexible conductive polymer composites for smart wearable strain sensors. <i>SmartMat</i> , 2020, 1, e1010.	10.7	119
84	Effects of Hydrothermal Aging of Carbon Fiber Reinforced Polycarbonate Composites on Mechanical Performance and Sand Erosion Resistance. <i>Polymers</i> , 2020, 12, 2453.	4.5	18
85	Cellulose acetate monolith with hierarchical micro/nano-porous structure showing superior hydrophobicity for oil/water separation. <i>Carbohydrate Polymers</i> , 2020, 241, 116361.	10.2	35
86	Effect of shear on nucleation of carbon fiber reinforced polymer composites: Experiments and modeling. <i>Polymer Engineering and Science</i> , 2020, 60, 2314-2323.	3.1	2
87	Achieving enhanced electromagnetic shielding and absorption capacity of cellulose-derived carbon aerogels via tuning the carbonization temperature. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5191-5201.	5.5	51
88	Biodegradable poly(lactic acid) nanocomposites reinforced and toughened by carbon nanotubes/clay hybrids. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 628-634.	7.5	66
89	Later Stage Melting of Isotactic Polypropylene. <i>Macromolecules</i> , 2020, 53, 2136-2144.	4.8	23
90	Ultrastable and Durable Silicone Coating on Polycarbonate Surface Realized by Nanoscale Interfacial Engineering. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13296-13304.	8.0	17

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91	Modeling of Shear Rheological Behavior of Uncured Rubber Melt. <i>Applied Rheology</i> , 2020, 30, 130-137.	5.2	0
92	Crystallization behavior and mechanical properties of poly(lactic acid)/poly(ethylene oxide) blends nucleated by a self-assembly nucleator. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 3107-3114.	3.6	22
93	Structure and Mechanical Properties of Multi-Walled Carbon Nanotubes-Filled Isotactic Polypropylene Composites Treated by Pressurization at Different Rates. <i>Polymers</i> , 2019, 11, 1294.	4.5	6
94	Effect of different sterilization methods on the properties of commercial biodegradable polyesters for single-use, disposable medical devices. <i>Materials Science and Engineering C</i> , 2019, 105, 110041.	7.3	61
95	Relation Between Charge Transport and the Number of Interconnected Lamellar Poly(3-Hexylthiophene) Crystals. <i>Macromolecules</i> , 2019, 52, 6088-6096.	4.8	13
96	Ultra-stretchable Porous Fiber-shaped Strain Sensor with Exponential Response in Full Sensing Range and Excellent Anti-interference Ability toward Buckling, Torsion, Temperature, and Humidity. <i>Advanced Electronic Materials</i> , 2019, 5, 1900538.	5.1	63
97	Facile and scalable synthesis of low-cost FeS@C as long-cycle anodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19709-19718.	10.3	86
98	Highly Stretchable, Transparent, and Bio-friendly Strain Sensor Based on Self-Recovery Ionic-Covalent Hydrogels for Human Motion Monitoring. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900227.	3.6	71
99	Poly(ethylene oxide)-promoted dispersion of graphene nanoplatelets and its effect on the properties of poly(lactic acid)/poly(butylene adipate-co-terephthalate) based nanocomposites. <i>Materials Letters</i> , 2019, 253, 34-37.	2.6	19
100	Highly Compressible and Robust Polyimide/Carbon Nanotube Composite Aerogel for High-Performance Wearable Pressure Sensor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42594-42606.	8.0	255
101	Superelastic and Durable Hierarchical Porous Thermoplastic Polyurethane Monolith with Excellent Hydrophobicity for Highly Efficient Oil/Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 20291-20299.	3.7	40
102	Ultrathin, flexible transparent Joule heater with fast response time based on single-walled carbon nanotubes/poly(vinyl alcohol) film. <i>Composites Science and Technology</i> , 2019, 183, 107796.	7.8	77
103	A Highly Sensitive and Stretchable Yarn Strain Sensor for Human Motion Tracking Utilizing a Wrinkle-Assisted Crack Structure. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36052-36062.	8.0	141
104	Dynamic viscoelasticity and molecular orientation in uniaxially drawn PC/PET blends. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47514.	2.6	4
105	Significant Stretchability Enhancement of a Crack-Based Strain Sensor Combined with High Sensitivity and Superior Durability for Motion Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7405-7414.	8.0	243
106	Superhydrophobic Electrically Conductive Paper for Ultrasensitive Strain Sensor with Excellent Anticorrosion and Self-Cleaning Property. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21904-21914.	8.0	228
107	Anisotropic Conductive Polymer Composites Based on High Density Polyethylene/Carbon Nanotube/Polyoxyethylene Mixtures for Microcircuits Interconnection and Organic Vapor Sensor. <i>ACS Applied Nano Materials</i> , 2019, 2, 3636-3647.	5.0	30
108	Phase transitions of the rapid-compression-induced mesomorphic isotactic polypropylene under high-pressure annealing. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 651-661.	2.1	9

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109	Enhanced Solid Particle Erosion Properties of Thermoplastic Polyurethane/Carbon Nanotube Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900010.	3.6	53
110	High-pressure induced formation of isotactic polypropylene mesophase: Synergistic effect of pressure and pressurization rate. <i>Polymer Engineering and Science</i> , 2019, 59, 439-446.	3.1	9
111	Facile Fabrication of Superhydrophobic and Eco-Friendly Poly(lactic acid) Foam for Oil/Water Separation via Skin Peeling. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14362-14367.	8.0	132
112	Ultrasensitive and Highly Compressible Piezoresistive Sensor Based on Polyurethane Sponge Coated with a Cracked Cellulose Nanofibril/Silver Nanowire Layer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10922-10932.	8.0	331
113	Melting temperature, concentration and cooling rate-dependent nucleating ability of a self-assembly aryl amide nucleator on poly(lactic acid) crystallization. <i>Polymer</i> , 2019, 168, 77-85.	3.8	40
114	3D Viscoelastic Simulation of Jetting in Injection Molding. <i>Polymer Engineering and Science</i> , 2019, 59, E397.	3.1	4
115	Melt-Processed Poly(Ether Ether Ketone)/Carbon Nanotubes/Montmorillonite Nanocomposites with Enhanced Mechanical and Thermomechanical Properties. <i>Materials</i> , 2019, 12, 525.	2.9	22
116	Thermal Degradation Behavior and Kinetics of 3D Porous Polycarbonate Monoliths. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800667.	3.6	10
117	High-performance Flexible Freestanding Anode with Hierarchical 3D Carbon Networks/Fe ₇ S ₈ /Graphene for Applicable Sodium-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1806664.	21.0	233
118	Design of Helically Double-Leveled Gaps for Stretchable Fiber Strain Sensor with Ultralow Detection Limit, Broad Sensing Range, and High Repeatability. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4345-4352.	8.0	91
119	Tunable temperature-resistivity behaviors of carbon black/polyamide 6 /high-density polyethylene composites with conductive electrospun PA6 fibrous network. <i>Journal of Composite Materials</i> , 2019, 53, 1897-1906.	2.4	8
120	A novel crystallization kinetics model of transcrystalline used for crystallization behavior simulation of short carbon fiber-reinforced polymer composites. <i>Polymer Engineering and Science</i> , 2019, 59, 854-862.	3.1	2
121	Competition effect of shear-induced nuclei and multiwalled carbon nanotubes (MWCNT) on isotactic polypropylene (iPP) formation in preshear injection-molded PP/MWCNT nanocomposites. <i>Polymer Composites</i> , 2018, 39, E1149.	4.6	6
122	The Cooperative Effect of Both Molecular and Supramolecular Chirality on Cell Adhesion. <i>Angewandte Chemie</i> , 2018, 130, 6585-6589.	2.0	17
123	The Cooperative Effect of Both Molecular and Supramolecular Chirality on Cell Adhesion. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6475-6479.	13.8	82
124	Systematic Control of Self-Seeding Crystallization Patterns of Poly(ethylene oxide) in Thin Films. <i>Macromolecules</i> , 2018, 51, 1626-1635.	4.8	26
125	An Alternating Skin-Core Structure in Melt Multi-Injection-Molded Polyethylene. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700465.	3.6	34
126	Superhydrophobic and superoleophilic porous reduced graphene oxide/polycarbonate monoliths for high-efficiency oil/water separation. <i>Journal of Hazardous Materials</i> , 2018, 344, 849-856.	12.4	122

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127	Continuously prepared highly conductive and stretchable SWNT/MWNT synergistically composited electrospun thermoplastic polyurethane yarns for wearable sensing. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2258-2269.	5.5	376
128	Electrically conductive polymer composites for smart flexible strain sensors: a critical review. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12121-12141.	5.5	522
129	Bioinspired Concentric-Cylindrical Multilayered Scaffolds with Controllable Architectures: Facile Preparation and Biological Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43512-43522.	8.0	20
130	Generating Nanoscopic Patterns in Conductivity within a Poly(3-hexylthiophene) Crystal via Bias-Controlled Scanning Probe Nanolithography. <i>Macromolecules</i> , 2018, 51, 7692-7698.	4.8	7
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