

# Changyu Shen

## List of Publications by Year in descending order

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229  
papers

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citations

20817

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docs citations

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times ranked

10161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lightweight conductive graphene/thermoplastic polyurethane foams with ultrahigh compressibility for piezoresistive sensing. <i>Journal of Materials Chemistry C</i> , 2017, 5, 73-83.	5.5	576
2	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
3	Multifunctional Magnetic $Ti_3C_2Tx$ MXene/Graphene Aerogel with Superior Electromagnetic Wave Absorption Performance. <i>ACS Nano</i> , 2021, 15, 6622-6632.	14.6	503
4	Electrically conductive thermoplastic elastomer nanocomposites at ultralow graphene loading levels for strain sensor applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 157-166.	5.5	484
5	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
6	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
7	Ultrasensitive and Highly Compressible Piezoresistive Sensor Based on Polyurethane Sponge Coated with a Cracked Cellulose Nanofibril/Silver Nanowire Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 10922-10932.	8.0	331
8	Recent Progress on the Alloy-Based Anode for Sodium-Ion Batteries and Potassium-Ion Batteries. <i>Small</i> , 2021, 17, e1903194.	10.0	284
9	Highly Compressible and Robust Polyimide/Carbon Nanotube Composite Aerogel for High-Performance Wearable Pressure Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 42594-42606.	8.0	255
10	Significant Stretchability Enhancement of a Crack-Based Strain Sensor Combined with High Sensitivity and Superior Durability for Motion Monitoring. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 7405-7414.	8.0	243
11	Carbon Nanotubes-Adsorbed Electrospun PA66 Nanofiber Bundles with Improved Conductivity and Robust Flexibility. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14150-14159.	8.0	241
12	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
13	Comparative assessment of the strain-sensing behaviors of polylactic acid nanocomposites: reduced graphene oxide or carbon nanotubes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2318-2328.	5.5	236
14	High-Performance Flexible Freestanding Anode with Hierarchical 3D Carbon Networks/ $Fe_7S_8$ /Graphene for Applicable Sodium-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1806664.	21.0	233
15	Flexible MXene/Silver Nanowire-Based Transparent Conductive Film with Electromagnetic Interference Shielding and Electro-Photo-Thermal Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40859-40869.	8.0	231
16	Superhydrophobic Electrically Conductive Paper for Ultrasensitive Strain Sensor with Excellent Anticorrosion and Self-Cleaning Property. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21904-21914.	8.0	228
17	Flexible and Lightweight Pressure Sensor Based on Carbon Nanotube/Thermoplastic Polyurethane-Aligned Conductive Foam with Superior Compressibility and Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 42266-42277.	8.0	225
18	Organic vapor sensing behaviors of conductive thermoplastic polyurethane-graphene nanocomposites. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4459-4469.	5.5	198

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19	Superhydrophobic/Superoleophilic Polycarbonate/Carbon Nanotubes Porous Monolith for Selective Oil Adsorption from Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13747-13755.	6.7	198
20	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
21	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
22	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
23	Superhydrophobic Shish-kebab Membrane with Self-Cleaning and Oil/Water Separation Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9866-9875.	6.7	147
24	A Highly Sensitive and Stretchable Yarn Strain Sensor for Human Motion Tracking Utilizing a Wrinkle-Assisted Crack Structure. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 36052-36062.	8.0	141
25	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
26	Facile Fabrication of Superhydrophobic and Eco-Friendly Poly(lactic acid) Foam for Oil/Water Separation via Skin Peeling. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14362-14367.	8.0	132
27	Ultra-stretchable, sensitive and durable strain sensors based on polydopamine encapsulated carbon nanotubes/elastic bands. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8160-8170.	5.5	131
28	High-Performance Wearable Strain Sensor Based on Graphene/Cotton Fabric with High Durability and Low Detection Limit. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 1474-1485.	8.0	125
29	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
30	Pyrite FeS <sub>2</sub> microspheres anchoring on reduced graphene oxide aerogel as an enhanced electrode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5332-5341.	10.3	123
31	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
32	Flexible conductive polymer composites for smart wearable strain sensors. <i>SmartMat</i> , 2020, 1, e1010.	10.7	119
33	Porous Polyethylene Bundles with Enhanced Hydrophobicity and Pumping Oil-Recovery Ability via Skin-Peeling. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12580-12585.	6.7	109
34	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
35	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
36	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

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37	A flexible and self-formed sandwich structure strain sensor based on AgNW decorated electrospun fibrous mats with excellent sensing capability and good oxidation inhibition properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7035-7042.	5.5	100
38	A tunable strain sensor based on a carbon nanotubes/electrospun polyamide 6 conductive nanofibrous network embedded into poly(vinyl alcohol) with self-diagnosis capabilities. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4408-4418.	5.5	98
39	Electrostatic self-assembled NiFe <sub>2</sub> O <sub>4</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> 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
40	Nonisothermal melt crystallization kinetics of poly(ethylene terephthalate)/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2004, 91, 308-314.	2.6	91
41	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 &amp; Interfaces</i> , 2019, 11, 4345-4352.	8.0	91
42	Facile Thermally Impacted Water-Induced Phase Separation Approach for the Fabrication of Skin-Free Thermoplastic Polyurethane Foam and Its Recyclable Counterpart for Oil-Water Separation. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800635.	3.9	90
43	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
44	Flexible Conductive Polyimide Fiber/MXene Composite Film for Electromagnetic Interference Shielding and Joule Heating with Excellent Harsh Environment Tolerance. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50368-50380.	8.0	85
45	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
46	Ultrastretchable Multilayered Fiber with a Hollow-Monolith Structure for High-Performance Strain Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 34592-34603.	8.0	81
47	Continuously fabricated transparent conductive polycarbonate/carbon nanotube nanocomposite films for switchable thermochromic applications. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8360-8371.	5.5	79
48	CdS nanorods/organic hybrid LED array and the piezo-phototronic effect of the device for pressure mapping. <i>Nanoscale</i> , 2016, 8, 8078-8082.	5.6	78
49	Three-dimensional CuS hierarchical architectures as recyclable catalysts for dye decolorization. <i>CrystEngComm</i> , 2012, 14, 3965.	2.6	77
50	Aligned flexible conductive fibrous networks for highly sensitive, ultrastretchable and wearable strain sensors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6575-6583.	5.5	77
51	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
52	Nonisothermal crystallization kinetics of poly(lactic acid) formulations comprising talc with poly(ethylene glycol). <i>Polymer Engineering and Science</i> , 2010, 50, 2298-2305.	3.1	72
53	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
54	Tunable and Nacre-Mimetic Multifunctional Electronic Skins for Highly Stretchable Contact-Noncontact Sensing. <i>Small</i> , 2021, 17, e2100542.	10.0	69

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55	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
56	Thermal degradation mechanism and kinetics of polycarbonate/silica nanocomposites. <i>Polymer Degradation and Stability</i> , 2014, 107, 129-138.	5.8	68
57	High-efficiency electromagnetic interference shielding capability of magnetic Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene/CNT composite film. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24560-24570.	10.3	68
58	Highly Thermal Conductive Poly(vinyl alcohol) Composites with Oriented Hybrid Networks: Silver Nanowire Bridged Boron Nitride Nanoplatelets. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 32286-32294.	8.0	67
59	Heating-induced negative temperature coefficient effect in conductive graphene/polymer ternary nanocomposites with a segregated and double-percolated structure. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8233-8242.	5.5	66
60	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
61	Asymmetric Superhydrophobic Textiles for Electromagnetic Interference Shielding, Photothermal Conversion, and Solar Water Evaporation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 28996-29007.	8.0	65
62	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
63	Flexible Transparent Polypyrrole-Decorated MXene-Based Film with Excellent Photothermal Energy Conversion Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 8909-8918.	8.0	64
64	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
65	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
66	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
67	Effect of Shear Stress on Crystallization of Isotactic Polypropylene from a Structured Melt. <i>Macromolecules</i> , 2012, 45, 8933-8937.	4.8	60
68	Crystallization of poly(lactic acid) accelerated by cyclodextrin complex as nucleating agent. <i>Polymer Bulletin</i> , 2013, 70, 195-206.	3.3	59
69	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
70	Flexible Ag Microparticle/MXene-Based Film for Energy Harvesting. <i>Nano-Micro Letters</i> , 2021, 13, 201.	27.0	57
71	Bimetal Synergistic Effect Induced High Reversibility of Conversion-Type Ni@NiCo <sub>2</sub> S <sub>4</sub> as a Free-Standing Anode for Sodium Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1435-1442.	4.6	54
72	Enhanced Solid Particle Erosion Properties of Thermoplastic Polyurethane/Carbon Nanotube Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900010.	3.6	53

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73	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
74	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
75	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
76	Versatile Janus Composite Nonwoven Solar Absorbers with Salt Resistance for Efficient Wastewater Purification and Desalination. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 24945-24956.	8.0	49
77	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
78	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
79	Fire/heat-resistant, anti-corrosion and folding Ti <sub>2</sub> C <sub>3</sub> T <sub>x</sub> /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
80	Mechanical, Thermal, and Rheological Properties of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /MXene/Thermoplastic Polyurethane Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000343.	3.6	44
81	Hierarchical HCF@NC/Co Derived from Hollow Loofah Fiber Anchored with Metal-Organic Frameworks for Highly Efficient Microwave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 2038-2050.	8.0	44
82	Superelastic and Durable Hierarchical Porous Thermoplastic Polyurethane Monolith with Excellent Hydrophobicity for Highly Efficient Oil/Water Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 20291-20299.	3.7	40
83	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
84	Selective dispersion of carbon nanotubes and nanoclay in biodegradable poly( $\mu$ -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
85	Morphological comparison of isotactic polypropylene molded by water-assisted and conventional injection molding. <i>Journal of Materials Science</i> , 2011, 46, 7830-7838.	3.7	39
86	Annealing Induced Mechanical Reinforcement of Injection Molded iPP Parts. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1468-1472.	3.6	38
87	Crystallization behavior of poly(lactic acid) with a self-assembly aryl amide nucleating agent probed by real-time infrared spectroscopy and X-ray diffraction. <i>Polymer Testing</i> , 2017, 64, 12-19.	4.8	38
88	Wide distribution of shish-kebab structure and tensile property of micro-injection-molded isotactic polypropylene microparts: a comparative study with injection-molded macroparts. <i>Journal of Materials Science</i> , 2014, 49, 1041-1048.	3.7	36
89	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
90	Stretchable, Sensitive Strain Sensors with a Wide Workable Range and Low Detection Limit for Wearable Electronic Skins. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4562-4570.	8.0	35

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91	Investigation of the Effect of Molding Variables on Sink Marks of Plastic Injection Molded Parts Using Taguchi DOE Technique. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 219-225.	1.9	34
92	Hydrophobic polycarbonate monolith with mesoporous nest-like structure: an effective oil sorbent. <i>Materials Letters</i> , 2017, 188, 201-204.	2.6	34
93	An Alternating Skin-Core Structure in Melt Multi-Injected Polyethylene. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700465.	3.6	34
94	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
95	Crystal modifications and multiple melting behavior of poly(L-lactic acid). <i>Journal of Applied Polymer Science</i> , 2017, 121, 409-413.	2.1	32
96	Nonisothermal Crystallization Kinetics of Poly(lactic acid) Nucleated with a Multiamide Nucleating Agent. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 1680-1694.	1.0	31
97	Positive Temperature Coefficient (PTC) Evolution of Segregated Structural Conductive Polypropylene Nanocomposites with Visually Traceable Carbon Black Conductive Network. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700265.	3.7	30
98	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
99	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
100	Large-scale stereoscopic structured heazlewoodite microrod arrays and scale-like microsheets for lithium-ion battery applications. <i>RSC Advances</i> , 2012, 2, 6817.	3.6	29
101	Organic vapor sensing behaviors of carbon black/poly (lactic acid) conductive biopolymer composite. <i>Colloid and Polymer Science</i> , 2013, 291, 2871-2878.	2.1	28
102	Crystallization of poly(lactic acid) enhanced by phthalhydrazide as nucleating agent. <i>Polymer Bulletin</i> , 2013, 70, 2911-2922.	3.3	27
103	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 &amp; Interfaces</i> , 2020, 12, 1454-1464.	8.0	27
104	Systematic Control of Self-Seeding Crystallization Patterns of Poly(ethylene oxide) in Thin Films. <i>Macromolecules</i> , 2018, 51, 1626-1635.	4.8	26
105	Overview of the Experimental Trends in Water-Assisted Injection Molding. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800035.	3.6	26
106	New insight into lamellar branching of $\hat{I}^2$ -nucleated isotactic polypropylene upon melt-stretching: WAXD and SAXS study. <i>Journal of Materials Science</i> , 2015, 50, 599-604.	3.7	25
107	Morphological Changes of Isotactic Polypropylene Crystals Grown in Thin Films. <i>Macromolecules</i> , 2017, 50, 6210-6217.	4.8	25
108	Shear-Induced Skin-Core Structure of Molten Isotactic Polypropylene and the Formation of $\hat{I}^2$ -Crystal. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800083.	3.6	25

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109	One-pot synthesis and the electrochemical properties of nano-structured nickel selenide materials with hierarchical structure. <i>CrystEngComm</i> , 2013, 15, 2624.	2.6	24
110	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
111	Later Stage Melting of Isotactic Polypropylene. <i>Macromolecules</i> , 2020, 53, 2136-2144.	4.8	23
112	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
113	Enhanced orientation of the water-assisted injection-molded ipp in the presence of nucleating agent. <i>Polymer Engineering and Science</i> , 2012, 52, 725-732.	3.1	22
114	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
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	Unexpected molecular weight dependence of shish kebab in water-assisted injection molded HDPE. <i>Polymers for Advanced Technologies</i> , 2013, 24, 270-272.	3.2	21
117	Nucleation Mechanism for Form II to I Polymorphic Transformation in Polybutene-1. <i>Macromolecules</i> , 2020, 53, 6476-6485.	4.8	21
118	Bioinspired Concentric-Cylindrical Multilayered Scaffolds with Controllable Architectures: Facile Preparation and Biological Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 43512-43522.	8.0	20
119	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
120	The hierarchical structure of water-assisted injection molded high density polyethylene: Small angle X-ray scattering study. <i>Journal of Applied Polymer Science</i> , 2012, 125, 2297-2303.	2.6	19
121	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
122	Crystal morphology and structure of the $\beta$ -form of isotactic polypropylene under supercooled extrusion. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3255-3264.	2.6	18
123	The strain-sensing behaviors of carbon black/polypropylene and carbon nanotubes/polypropylene conductive composites prepared by the vacuum-assisted hot compression. <i>Colloid and Polymer Science</i> , 2014, 292, 945-951.	2.1	18
124	Shish-Kebab-Structured UHMWPE Coating for Efficient and Cost-Effective Oil-Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 58252-58262.	8.0	18
125	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
126	Nonisothermal Cold Crystallization Kinetics of Poly(ethylene terephthalate)/Clay Nanocomposite. <i>Polymer Journal</i> , 2003, 35, 884-889.	2.7	17



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127	Computing flow-induced stresses of injection molding based on the Phan-Thien-Tanner model. <i>Archive of Applied Mechanics</i> , 2008, 78, 363-377.	2.2	17
128	Oriented structure in stretched isotactic polypropylene melt and its unexpected recrystallization: optical and X-ray studies. <i>Polymer International</i> , 2011, 60, 1434-1441.	3.1	17
129	Preparation and characterization of microbial biodegradable poly(3-hydroxybutyrate-co-4-hydroxybutyrate)/organoclay nanocomposites. <i>Polymer Composites</i> , 2012, 33, 838-842.	4.6	17
130	The Cooperative Effect of Both Molecular and Supramolecular Chirality on Cell Adhesion. <i>Angewandte Chemie</i> , 2018, 130, 6585-6589.	2.0	17
131	Ultrastable and Durable Silicone Coating on Polycarbonate Surface Realized by Nanoscale Interfacial Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 13296-13304.	8.0	17
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