

Weifu Dong

List of Publications by Year in descending order

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221
papers

7,415
citations

47006

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88630

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all docs

222
docs citations

222
times ranked

8088
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel UV-Shielding and Transparent Polymer Film: When Bioinspired Dopamine-“Melanin Hollow Nanoparticles Join Polymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36281-36289.	8.0	206
2	Unraveling the electronegativity-dominated intermediate adsorption on high-entropy alloy electrocatalysts. <i>Nature Communications</i> , 2022, 13, 2662.	12.8	196
3	Preparation and characterization of coaxial electrospun thermoplastic polyurethane/collagen compound nanofibers for tissue engineering applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 315-325.	5.0	179
4	Long Noncoding RNA MIR17HG Promotes Colorectal Cancer Progression via miR-17-5p. <i>Cancer Research</i> , 2019, 79, 4882-4895.	0.9	157
5	Design of Supertoughened and Heat-Resistant PLLA/Elastomer Blends by Controlling the Distribution of Stereocomplex Crystallites and the Morphology. <i>Macromolecules</i> , 2019, 52, 1092-1103.	4.8	149
6	Atomic-Scale Core/Shell Structure Engineering Induces Precise Tensile Strain to Boost Hydrogen Evolution Catalysis. <i>Advanced Materials</i> , 2018, 30, e1707301.	21.0	148
7	CircPTK2 (hsa_circ_0005273) as a novel therapeutic target for metastatic colorectal cancer. <i>Molecular Cancer</i> , 2020, 19, 13.	19.2	146
8	Simultaneous Enhancements of UV-Shielding Properties and Photostability of Poly(vinyl alcohol) via Incorporation of Sepia Eumelanin. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2252-2258.	6.7	135
9	Poly(lactic acid)/lignin films with enhanced toughness and anti-oxidation performance for active food packaging. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 102-110.	7.5	119
10	Ambient PM2.5 caused depressive-like responses through Nrf2/NLRP3 signaling pathway modulating inflammation. <i>Journal of Hazardous Materials</i> , 2019, 369, 180-190.	12.4	112
11	Effect of Chain-Extenders on the Properties and Hydrolytic Degradation Behavior of the Poly(lactide)/Poly(butylene adipate-co-terephthalate) Blends. <i>International Journal of Molecular Sciences</i> , 2013, 14, 20189-20203.	4.1	108
12	Multiple organ injury in male C57BL/6J mice exposed to ambient particulate matter in a real-ambient PM exposure system in Shijiazhuang, China. <i>Environmental Pollution</i> , 2019, 248, 874-887.	7.5	108
13	Enhancement of Conductivity and Thermoelectric Property of PEDOT:PSS via Acid Doping and Single Post-treatment for Flexible Power Generator. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800085.	5.3	101
14	High-entropy alloy stabilized active Ir for highly efficient acidic oxygen evolution. <i>Chemical Engineering Journal</i> , 2022, 431, 133251.	12.7	100
15	Superior Performance of Fully Biobased Poly(lactide) via Stereocomplexation-Induced Phase Separation: Structure versus Property. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1470-1478.	6.7	91
16	Highly thermal conductive and electrically insulating polymer composites based on polydopamine-coated copper nanowire. <i>Composites Science and Technology</i> , 2018, 164, 153-159.	7.8	89
17	Artificial Nacre from Supramolecular Assembly of Graphene Oxide. <i>ACS Nano</i> , 2018, 12, 6228-6235.	14.6	85
18	The crystallization behavior of poly(lactic acid) with different types of nucleating agents. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 955-962.	7.5	84

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19	All cellulose composites based on cellulose diacetate and nanofibrillated cellulose prepared by alkali treatment. <i>Carbohydrate Polymers</i> , 2018, 179, 297-304.	10.2	80
20	Microscopy Methods for Biofilm Imaging: Focus on SEM and VP-SEM Pros and Cons. <i>Biology</i> , 2021, 10, 51.	2.8	77
21	Polyimide Nanofiber-Reinforced Ti ₃ C ₂ T _x Aerogel with "Lamella-Pillar" Microporosity for High-Performance Piezoresistive Strain Sensing and Electromagnetic Wave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47134-47146.	8.0	76
22	Superior Performance of Artificial Nacre Based on Graphene Oxide Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4215-4222.	8.0	75
23	Superior Performance of Polyurethane Based on Natural Melanin Nanoparticles. <i>Biomacromolecules</i> , 2016, 17, 3782-3789.	5.4	74
24	Multifunctional and robust polyhydroxyalkanoate nanocomposites with superior gas barrier, heat resistant and inherent antibacterial performances. <i>Chemical Engineering Journal</i> , 2020, 382, 122864.	12.7	73
25	Hypoxia-Inducible Exosomes Facilitate Liver-Tropic Premetastatic Niche in Colorectal Cancer. <i>Hepatology</i> , 2021, 74, 2633-2651.	7.3	73
26	A Bio-Based Flame-Retardant Starch Based On Phytic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10265-10274.	6.7	72
27	Highly stretchable and fatigue resistant hydrogels with low Young's modulus as transparent and flexible strain sensors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11193-11201.	5.5	70
28	Biobased Poly(lactide)/ethylene-co-vinyl Acetate Thermoplastic Vulcanizates: Morphology Evolution, Superior Properties, and Partial Degradability. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2211-2219.	6.7	68
29	Rapid Crystallization of Poly(lactic acid) by Using Tailor-Made Oxalamide Derivatives as Novel Soluble-Type Nucleating Agents. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 12888-12892.	3.7	67
30	Rapid Stereocomplexation between Enantiomeric Comb-Shaped Cellulose-g-poly(l-lactide) Nanohybrids and Poly(d-lactide) from the Melt. <i>Biomacromolecules</i> , 2015, 16, 3723-3729.	5.4	67
31	Effects of Melanin on Optical Behavior of Polymer: From Natural Pigment to Materials Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13100-13106.	8.0	64
32	Ultra-stretchable and superhydrophobic textile-based bioelectrodes for robust self-cleaning and personal health monitoring. <i>Nano Energy</i> , 2022, 97, 107160.	16.0	64
33	Interpenetrating polymer networks in polyvinyl alcohol/cellulose nanocrystals hydrogels to develop absorbent materials. <i>Carbohydrate Polymers</i> , 2018, 200, 468-476.	10.2	63
34	Fabrication of thermally conductive and electrically insulating polymer composites with isotropic thermal conductivity by constructing a three-dimensional interconnected network. <i>Nanoscale</i> , 2019, 11, 11360-11368.	5.6	63
35	A Flexible and Safe Aqueous Zinc-Air Battery with a Wide Operating Temperature Range from ~20 to 70 °C. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11501-11511.	6.7	63
36	Melt Free-Radical Grafting of Maleic Anhydride onto Biodegradable Poly(lactic acid) by Using Styrene as A Comonomer. <i>Polymers</i> , 2014, 6, 1528-1543.	4.5	60

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37	Crystallization modification of poly(lactide) by using nucleating agents and stereocomplexation. <i>E-Polymers</i> , 2016, 16, 1-13.	3.0	59
38	Soy protein-based adhesive with superior bonding strength and water resistance by designing densely crosslinking networks. <i>European Polymer Journal</i> , 2021, 142, 110128.	5.4	59
39	Corrosion-Resistant Graphene-Based Magnetic Composite Foams for Efficient Electromagnetic Absorption. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8297-8310.	8.0	59
40	Preparation of polyvinyl alcohol/chitosan hydrogel compounded with graphene oxide to enhance the adsorption properties for Cu(II) in aqueous solution. <i>Journal of Polymer Research</i> , 2015, 22, 1.	2.4	57
41	The bonding strength, water resistance and flame retardancy of soy protein-based adhesive by incorporating tailor-made core-shell nanohybrid compounds. <i>Chemical Engineering Journal</i> , 2022, 428, 132390.	12.7	57
42	Enhanced thermal stability of poly(vinyl alcohol) in presence of melanin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1661-1668.	3.6	56
43	Taurine ameliorates particulate matter-induced emphysema by switching on mitochondrial NADH dehydrogenase genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9655-E9664.	7.1	56
44	Multi-functional polydopamine coating: simultaneous enhancement of interfacial adhesion and CO ₂ separation performance of mixed matrix membranes. <i>New Journal of Chemistry</i> , 2016, 40, 9148-9159.	2.8	53
45	Polyimide-based graphene composite foams with hierarchical impedance gradient for efficient electromagnetic absorption. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2086-2094.	5.5	53
46	The Acetate/ACSS2 Switch Regulates HIF-2 Stress Signaling in the Tumor Cell Microenvironment. <i>PLoS ONE</i> , 2015, 10, e0116515.	2.5	52
47	Sublayer Stable Fe Dopant in Porous Pd Metallene Boosts Oxygen Reduction Reaction. <i>ACS Nano</i> , 2022, 16, 522-532.	14.6	52
48	Biodegradable poly (lactic acid)-poly (ε-caprolactone)-nanolignin composite films with excellent flexibility and UV barrier performance. <i>Composites Communications</i> , 2020, 22, 100497.	6.3	51
49	One-Pot Preparation of Autonomously Self-Healable Elastomeric Hydrogel from Boric Acid and Random Copolymer Bearing Hydroxyl Groups. <i>ACS Macro Letters</i> , 2017, 6, 1129-1133.	4.8	49
50	Low-Electronegativity Vanadium Substitution in Cobalt Carbide Induced Enhanced Electron Transfer for Efficient Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43261-43269.	8.0	49
51	<i>Pyropia yezoensis</i> genome reveals diverse mechanisms of carbon acquisition in the intertidal environment. <i>Nature Communications</i> , 2020, 11, 4028.	12.8	49
52	Enhancing acetone biosynthesis and acetone-butanol-ethanol fermentation performance by co-culturing <i>Clostridium acetobutylicum</i> / <i>Saccharomyces cerevisiae</i> integrated with exogenous acetate addition. <i>Bioresource Technology</i> , 2016, 200, 111-120.	9.6	48
53	Superior Mechanical Properties of Double-Network Hydrogels Reinforced by Carbon Nanotubes without Organic Modification. <i>International Journal of Molecular Sciences</i> , 2013, 14, 22380-22394.	4.1	47
54	Strong nanocomposite reinforcement effects in poly(vinyl alcohol) with melanin nanoparticles. <i>RSC Advances</i> , 2015, 5, 72691-72698.	3.6	47

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55	Bio-based poly(lactide)/ethylene-co-vinyl acetate thermoplastic vulcanizates by dynamic crosslinking: structure vs. property. <i>RSC Advances</i> , 2015, 5, 15962-15968.	3.6	46
56	Ultralight and ordered lamellar polyimide-based graphene foams with efficient broadband electromagnetic absorption. <i>Journal of Materials Science and Technology</i> , 2022, 102, 97-104.	10.7	43
57	Hierarchical graphene@MXene composite foam modified with flower-shaped FeS for efficient and broadband electromagnetic absorption. <i>Journal of Materials Science and Technology</i> , 2023, 133, 238-248.	10.7	43
58	Influence of phthalic anhydride and bioxazoline on the mechanical and morphological properties of biodegradable poly(lactic acid)/poly[(butylene adipate)- <i>co</i> -terephthalate] blends. <i>Polymer International</i> , 2013, 62, 1783-1790.	3.1	42
59	An acetyl-L-carnitine switch on mitochondrial dysfunction and rescue in the metabolomics study on aluminum oxide nanoparticles. <i>Particle and Fibre Toxicology</i> , 2015, 13, 4.	6.2	42
60	pH-dependent and self-healing properties of mussel modified poly(vinyl alcohol) hydrogels in a metal-free environment. <i>RSC Advances</i> , 2015, 5, 82252-82258.	3.6	42
61	Understanding the Role of Nanoscale Heterointerfaces in Core/Shell Structures for Water Splitting: Covalent Bonding Interaction Boosts the Activity of Binary Transition-Metal Sulfides. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6250-6261.	8.0	42
62	Isolation of Metalloid Boron Atoms in Intermetallic Carbide Boosts the Catalytic Selectivity for Electrocatalytic N ₂ Fixation. <i>Advanced Energy Materials</i> , 2021, 11, 2102138.	19.5	42
63	Functionalization of cellulose nanocrystals with β -MPS and its effect on the adhesive behavior of acrylic pressure sensitive adhesives. <i>Carbohydrate Polymers</i> , 2019, 217, 168-177.	10.2	41
64	Xylem-Inspired Polyimide/MXene Aerogels with Radial Lamellar Architectures for Highly Sensitive Strain Detection and Efficient Solar Steam Generation. <i>Nano Letters</i> , 2022, 22, 4560-4568.	9.1	40
65	Enhancing Butanol Production under the Stress Environments of Co-Culturing <i>Clostridium acetobutylicum</i> / <i>Saccharomyces cerevisiae</i> Integrated with Exogenous Butyrate Addition. <i>PLoS ONE</i> , 2015, 10, e0141160.	2.5	39
66	Role of astrocyte activation in fine particulate matter-enhancement of existing ischemic stroke in Sprague-Dawley male rats. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016, 79, 393-401.	2.3	39
67	Thermomechanical, antioxidant and moisture behaviour of PVA films in presence of citric acid esterified cellulose nanocrystals. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 617-626.	7.5	39
68	Rheological and structural characterization of HA/PVA-SbQ composites film-forming solutions and resulting films as affected by UV irradiation time. <i>Carbohydrate Polymers</i> , 2015, 115, 422-431.	10.2	38
69	Compressible and Lightweight MXene/Carbon Nanofiber Aerogel with ϵ -Layer-Strut-Bracing Microscopic Architecture for Efficient Energy Storage. <i>Advanced Fiber Materials</i> , 2022, 4, 820-831.	16.1	37
70	Polydopamine functional reduced graphene oxide for enhanced mechanical and electrical properties of waterborne polyurethane nanocomposites. <i>Journal of Coatings Technology Research</i> , 2018, 15, 1333-1341.	2.5	36
71	Activation of NLRP3 in microglia exacerbates diesel exhaust particles-induced impairment in learning and memory in mice. <i>Environment International</i> , 2020, 136, 105487.	10.0	36
72	Design of Intrinsically Flame-Retardant Vanillin-Based Epoxy Resin for Thermal-Conductive Epoxy/Graphene Aerogel Composites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59341-59351.	8.0	35

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73	Enhanced Thermal Stability and UV-Shielding Properties of Poly(vinyl alcohol) Based on Esculetin. Journal of Physical Chemistry B, 2017, 121, 1148-1157.	2.6	34
74	Role of microRNA-4516 involved autophagy associated with exposure to fine particulate matter. Oncotarget, 2016, 7, 45385-45397.	1.8	34
75	Hydrophobic, UV resistant and dielectric polyurethane-nanolignin composites with good reprocessability. Materials and Design, 2020, 196, 109150.	7.0	33
76	Compressible and robust PANI sponge anchored with erected MXene flakes for human motion detection. Composites Part A: Applied Science and Manufacturing, 2021, 151, 106671.	7.6	33
77	SOX2 inhibits metastasis in gastric cancer. Journal of Cancer Research and Clinical Oncology, 2016, 142, 1221-1230.	2.5	32
78	Interfacial modification on polyhydroxyalkanoates/starch blend by grafting α -in-situ. Carbohydrate Polymers, 2017, 174, 716-722.	10.2	31
79	Photothermal-Responsive Graphene Oxide Membrane with Smart Gates for Water Purification. ACS Applied Materials & Interfaces, 2019, 11, 44886-44893.	8.0	31
80	Antimicrobial Waterborne Polyurethanes Based on Quaternary Ammonium Compounds. Industrial & Engineering Chemistry Research, 2020, 59, 458-463.	3.7	31
81	A novel synergistic confinement strategy for controlled synthesis of high-entropy alloy electrocatalysts. Chemical Communications, 2021, 57, 2637-2640.	4.1	31
82	MicroRNA-1228* inhibit apoptosis in A549 cells exposed to fine particulate matter. Environmental Science and Pollution Research, 2016, 23, 10103-10113.	5.3	30
83	microRNA-802/Rnd3 pathway imposes on carcinogenesis and metastasis of fine particulate matter exposure. Oncotarget, 2016, 7, 35026-35043.	1.8	30
84	Multi-generational effects of lindane on nematode lipid metabolism with disturbances on insulin-like signal pathway. Chemosphere, 2018, 210, 607-614.	8.2	29
85	Temperature-regulated flexibility of polymer chains in rapidly self-healing hydrogels. NPG Asia Materials, 2019, 11, .	7.9	29
86	Excellent UV Resistance of Polylactide by Interfacial Stereocomplexation with Double-Shell-Structured TiO ₂ Nanohybrids. ACS Applied Materials & Interfaces, 2020, 12, 49090-49100.	8.0	29
87	Superior toughened bio-compostable Poly(glycolic acid)-based blends with enhanced melt strength via selective interfacial localization of in-situ grafted copolymers. Polymer, 2021, 235, 124269.	3.8	29
88	Polydopamine-functionalized graphene oxide compounded with polyvinyl alcohol/chitosan hydrogels on the recyclable adsorption of cu(II), Pb(II) and cd(II) from aqueous solution. Journal of Polymer Research, 2019, 26, 1.	2.4	28
89	Thallus sectioning as an efficient monospore release method in Pyropia yezoensis (Bangiales,) Tj ETQq1 1 0.784314, rrgBT /Overlock 10 T	2.8	28
90	Self-Standing Hydrogels Composed of Conducting Polymers for All-State Supercapacitors. Chemistry - A European Journal, 2020, 26, 1846-1855.	3.3	28

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91	Ultra-highly stretchable and anisotropic SEBS/F127 fiber films equipped with an adaptive deformable carbon nanotube layer for dual-mode strain sensing. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18294-18305.	10.3	28
92	Superoxide Dismutase (SOD) and Catalase (CAT) Activity Assay Protocols for <i>Caenorhabditis elegans</i> . <i>Bio-protocol</i> , 2017, 7, e2505.	0.4	28
93	Interpenetrated polymer networks in composites with poly(vinyl alcohol), micro- and nano-fibrillated cellulose (M/NFC) and polyHEMA to develop packaging materials. <i>Cellulose</i> , 2015, 22, 3877-3894.	4.9	27
94	Suppression of PTPN6 exacerbates aluminum oxide nanoparticle-induced COPD-like lesions in mice through activation of STAT pathway. <i>Particle and Fibre Toxicology</i> , 2017, 14, 53.	6.2	27
95	Green functionalization of cellulose nanocrystals for application in reinforced poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50)	10.2	27
96	Photo- ϵ Crosslinking Strategy Constructs Adhesive, Superabsorbent, and Tough PVA- ϵ Based Hydrogel through Controlling the Balance of Cohesion and Adhesion. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900623.	3.6	27
97	Sex-Dependent Depression-Like Behavior Induced by Respiratory Administration of Aluminum Oxide Nanoparticles. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 15692-15705.	2.6	26
98	Enhanced crystallization kinetics of poly(lactide) with oxalamide compounds as nucleators: effect of spacer length between the oxalamide moieties. <i>RSC Advances</i> , 2016, 6, 48365-48374.	3.6	26
99	Artificial Nacre Epoxy Nanomaterials Based on Janus Graphene Oxide for Thermal Management Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44273-44280.	8.0	26
100	Extraction of alumina from aluminum dross by a non-hazardous alkaline sintering process: Dissolution kinetics of alumina and silica from calcined materials. <i>Science of the Total Environment</i> , 2021, 777, 146123.	8.0	26
101	E2F1 and NF- κ B: Key Mediators of Inflammation-associated Cancers and Potential Therapeutic Targets. <i>Current Cancer Drug Targets</i> , 2016, 16, 765-772.	1.6	26
102	Biodegradable bio-based polyesters with controllable photo-crosslinkability, thermal and hydrolytic stability. <i>Journal of Polymer Research</i> , 2011, 18, 1239-1247.	2.4	25
103	Inhibition of ATP citrate lyase (ACLY) protects airway epithelia from PM2.5-induced epithelial-mesenchymal transition. <i>Ecotoxicology and Environmental Safety</i> , 2019, 167, 309-316.	6.0	25
104	Amino acid and ionic liquid modified polyhedral oligomeric silsesquioxane-based hybrid monolithic column for high-efficiency capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2018, 1572, 82-89.	3.7	24
105	Real-Ambient Particulate Matter Exposure-Induced Cardiotoxicity in C57/B6 Mice. <i>Frontiers in Pharmacology</i> , 2020, 11, 199.	3.5	24
106	HER2-specific chimeric antigen receptor-T cells for targeted therapy of metastatic colorectal cancer. <i>Cell Death and Disease</i> , 2021, 12, 1109.	6.3	24
107	Preparation and properties of thermoplastic poly(caprolactone) composites containing high amount of esterified starch without plasticizer. <i>Carbohydrate Polymers</i> , 2016, 139, 28-34.	10.2	23
108	Smart Design of Rapid Crystallizing and Nonleaching Antibacterial Poly(lactide) Nanocomposites by Sustainable Aminolysis Grafting and in Situ Interfacial Stereocomplexation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13367-13377.	6.7	23

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109	Tough and Antifreezing Organohydrogel Electrolyte for Flexible Supercapacitors with Wide Temperature Stability. <i>ACS Applied Energy Materials</i> , 2021, 4, 9353-9361.	5.1	23
110	Cellulose-g-poly(d-lactide) nanohybrids induced significant low melt viscosity and fast crystallization of fully bio-based nanocomposites. <i>Carbohydrate Polymers</i> , 2017, 155, 498-506.	10.2	22
111	Effects of modified nanocrystalline cellulose on the hydrophilicity, crystallization and mechanical behaviors of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). <i>New Journal of Chemistry</i> , 2018, 42, 11972-11978.	2.8	22
112	The compatibilization of poly (propylene carbonate)/poly (lactic acid) blends in presence of core-shell starch nanoparticles. <i>Carbohydrate Polymers</i> , 2021, 254, 117321.	10.2	22
113	Preferred zinc-modified melamine phytate for the flame retardant polylactide with limited smoke release. <i>New Journal of Chemistry</i> , 2021, 45, 13329-13339.	2.8	22
114	Surface modification of BNNS bridged by graphene oxide and Ag nanoparticles: A strategy to get balance between thermal conductivity and mechanical property. <i>Composites Communications</i> , 2021, 27, 100851.	6.3	22
115	Photoprotective and multifunctional polymer film with excellent near-infrared and UV shielding properties. <i>Composites Communications</i> , 2020, 22, 100443.	6.3	22
116	Structure/Property Relationships of Partially Crosslinked Poly(butylene succinate). <i>Macromolecular Materials and Engineering</i> , 2013, 298, 910-918.	3.6	21
117	FAS rs2234767 and rs1800682 polymorphisms jointly contributed to risk of colorectal cancer by affecting SP1/STAT1 complex recruitment to chromatin. <i>Scientific Reports</i> , 2016, 6, 19229.	3.3	21
118	Epigenetic Modification of the CCL5/CCR1/ERK Axis Enhances Glioma Targeting in Dedifferentiation-Reprogrammed BMSCs. <i>Stem Cell Reports</i> , 2017, 8, 743-757.	4.8	21
119	Retrospective study on melanosis coli as risk factor of colorectal neoplasm: a 3-year colonoscopic finding in Zhuhai Hospital, China. <i>International Journal of Colorectal Disease</i> , 2020, 35, 213-222.	2.2	21
120	Toughening polylactide using epoxy-functionalized core-shell starch nanoparticles. <i>Polymer Testing</i> , 2021, 93, 106926.	4.8	21
121	Crystallization behaviours of bacterially synthesized poly(hydroxyalkanoate)s in the presence of oxalamide compounds with different configurations. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 624-630.	7.5	20
122	Design of bio-based conductive and fast crystallizing nanocomposites with controllable distribution of multiwalled carbon nanotubes via interfacial stereocomplexation. <i>Chemical Engineering Journal</i> , 2018, 336, 223-232.	12.7	20
123	Core-Shell Starch Nanoparticles and Their Toughening of Polylactide. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 13048-13054.	3.7	20
124	Preparation and characterisation of nickel-plated carbon fibre/polyether ether ketone composites with high electromagnetic shielding and high thermal conductivity. <i>Colloid and Polymer Science</i> , 2019, 297, 967-977.	2.1	20
125	MicroRNA-382-5p is involved in pulmonary inflammation induced by fine particulate matter exposure. <i>Environmental Pollution</i> , 2020, 262, 114278.	7.5	20
126	Integrative functional transcriptomic analyses implicate specific molecular pathways in pulmonary toxicity from exposure to aluminum oxide nanoparticles. <i>Nanotoxicology</i> , 2016, 10, 957-969.	3.0	19

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127	Crystallization of microbial polyhydroxyalkanoates: A review. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 330-343.	7.5	19
128	Nanocomposite hydrogel consisting of N-montmorillonite with enhanced mechanical properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1020-1026.	2.1	18
129	Simulation of the Dendrite Morphology and Microsegregation in Solidification of Al-Cu-Mg Aluminum Alloys. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 173-181.	2.9	18
130	Stereocomplexation kinetics of enantiomeric poly(L-lactide)/poly(D-lactide) blends seeded by nanocrystalline cellulose. <i>RSC Advances</i> , 2015, 5, 71115-71119.	3.6	18
131	Long-chain branching hydrogel with ultrahigh tensibility and high strength by grafting via photo-induced polymerization. <i>New Journal of Chemistry</i> , 2016, 40, 8650-8657.	2.8	18
132	Core-Shell Starch Nanoparticles Improve the Mechanical and Thermal Properties of Poly(propylene) Tj ETQqO O 0 rgBT /Overlock 10 T	6.7	18
133	Use of Quadruple Hydrogen Bonding as the Switching Phase in Thermo- and Light-Responsive Shape Memory Hydrogel. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2884-2888.	4.4	18
134	Photothermal-Triggered Shape Memory Polymer Prepared by Cross-Linking Porphyrin-Loaded Micellar Particles. <i>Materials</i> , 2019, 12, 496.	2.9	17
135	Hierarchical structural double network hydrogel with high strength, toughness, and good recoverability. <i>New Journal of Chemistry</i> , 2017, 41, 14397-14402.	2.8	16
136	DN strategy constructed photo-crosslinked PVA/CNC/P(NIPPAm-co-AA) hydrogels with temperature-sensitive and pH-sensitive properties. <i>New Journal of Chemistry</i> , 2018, 42, 13453-13460.	2.8	16
137	Superhydrophobic Composite Cotton Generated from Raspberry-like Nanoparticles and Their Applications in Oil/Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 16305-16311.	3.7	16
138	Super-toughened Heat-resistant Poly(lactic acid) Alloys By Tailoring the Phase Morphology and the Crystallization Behaviors. <i>Journal of Polymer Science</i> , 2020, 58, 500-509.	3.8	16
139	Pistachio-Inspired Bulk Graphene Oxide-Based Materials with Shapeability and Recyclability. <i>ACS Nano</i> , 2022, 16, 3394-3403.	14.6	16
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