

Weifu Dong

List of Publications by Year in descending order

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221
papers

7,415
citations

47006

47
h-index

88630

70
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all docs

222
docs citations

222
times ranked

8088
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	High-efficiency oxidation of norfloxacin by Fe ³⁺ /H ₂ O ₂ process enhanced via vacuum ultraviolet irradiation: Role of newly formed Fe ²⁺ . <i>Chemosphere</i> , 2022, 286, 131964.	8.2	13
4	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
5	Effects of minimum quantity lubrication strategy with internal cooling tool on machining performance in turning of nickel-based superalloy GH4169. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 118, 3673-3689.	3.0	11
6	High-entropy alloy stabilized active Ir for highly efficient acidic oxygen evolution. <i>Chemical Engineering Journal</i> , 2022, 431, 133251.	12.7	100
7	Mussel-inspired cellulose-based adhesive with underwater adhesion ability. <i>Cellulose</i> , 2022, 29, 893-906.	4.9	10
8	Rigid polyurethane foams based on dextrin and glycerol. <i>Industrial Crops and Products</i> , 2022, 177, 114479.	5.2	11
9	Selective Immobilization of His-Tagged Phosphomannose Isomerase on Ni Chelated Nanoparticles with Good Reusability and Activity. <i>ChemBioChem</i> , 2022, 23, .	2.6	3
10	Ti-Dopamine Hybrid Nanoparticles with UV-Blocking and Durable Poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 382 Td (adipat	4.4	6
11	Pistachio-Inspired Bulk Graphene Oxide-Based Materials with Shapeability and Recyclability. <i>ACS Nano</i> , 2022, 16, 3394-3403.	14.6	16
12	Corrosion-Resistant Graphene-Based Magnetic Composite Foams for Efficient Electromagnetic Absorption. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8297-8310.	8.0	59
13	Effects of dicumyl peroxide on cross-linking pure poly(butylene succinate) foaming materials for high expansion and high mechanical strength. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1706-1714.	3.2	1
14	Comparative Gene Expression and Physiological Analyses Reveal Molecular Mechanisms in Wound-Induced Spore Formation in the Edible Seaweed Nori. <i>Frontiers in Plant Science</i> , 2022, 13, 840439.	3.6	5
15	Compressible and Lightweight MXene/Carbon Nanofiber Aerogel with Layer-Strut-Bracing Microscopic Architecture for Efficient Energy Storage. <i>Advanced Fiber Materials</i> , 2022, 4, 820-831.	16.1	37
16	Improved Thermal and Electromagnetic Shielding of PEEK Composites by Hydroxylating PEK-C Grafted MWCNTs. <i>Polymers</i> , 2022, 14, 1328.	4.5	2
17	Improving the toughness and flame retardancy of poly (lactic acid) with phosphorus-containing core-shell particles. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	6
18	N-doped carbon coating for stabilizing metal sulfides on carbon materials for high cycle life asymmetric supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 10928-10938.	2.2	10

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19	Crystallization of microbial polyhydroxyalkanoates: A review. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 330-343.	7.5	19
20	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
21	Sublayer Stable Fe Dopant in Porous Pd Metallene Boosts Oxygen Reduction Reaction. <i>ACS Nano</i> , 2022, 16, 522-532.	14.6	52
22	Multilayer cross-linking polyetherimide/ $Ti_3C_2T_x$ MXenes material with pores channel structure for electromagnetic interference shielding. <i>Journal of Applied Polymer Science</i> , 2022, 139, 52075.	2.6	3
23	A novel biodegradable poly(propylene carbonate) with enhanced thermal and mechanical properties by incorporating tannic acid. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1341-1347.	3.2	5
24	A flame retardant containing biomass-based polydopamine for high-performance rigid polyurethane foam. <i>New Journal of Chemistry</i> , 2022, 46, 11985-11993.	2.8	7
25	Photo-crosslinking ionic conductive PVA-SbQ/FeCl ₃ hydrogel sensors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129205.	4.7	15
26	Unraveling the electronegativity-dominated intermediate adsorption on high-entropy alloy electrocatalysts. <i>Nature Communications</i> , 2022, 13, 2662.	12.8	196
27	Facile route to tri-carboxyl chitin nanocrystals from di-aldehyde chitin modified by selective periodate oxidation. <i>International Journal of Biological Macromolecules</i> , 2022, 211, 281-288.	7.5	5
28	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
29	Cross-Linked, Transient Ionic Conductive Elastomer with Extreme Stretchability, Healability, and Degradability for Detecting Human Motions. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4972-4979.	4.4	13
30	Permanent Low-Toxicity Hair Dye Based on Pregrafting Melanin with Cystine. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 2858-2863.	5.2	2
31	Factors influencing treatment outcomes of tuberculosis patients attending health facilities in Galkayo Puntland, Somalia. <i>Journal of Public Health</i> , 2021, 43, 887-895.	1.8	5
32	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
33	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
34	UV resistant PBT nanocomposites by reactive compatibilization and selective distribution of tailor-made double-shelled TiO ₂ nanohybrids. <i>Composites Part B: Engineering</i> , 2021, 205, 108510.	12.0	10
35	Toughening polylactide using epoxy-functionalized core-shell starch nanoparticles. <i>Polymer Testing</i> , 2021, 93, 106926.	4.8	21
36	Visible-Light-Promoted Formation of C=C and C=P Bonds Derived from Evolution of Bromoalkynes under Additive-Free Conditions: Synthesis of 1,1-Dibromoalkynes and Alkynylphosphine Oxides. <i>Chinese Journal of Chemistry</i> , 2021, 39, 873-878.		12

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37	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
38	Microscopy Methods for Biofilm Imaging: Focus on SEM and VP-SEM Pros and Cons. <i>Biology</i> , 2021, 10, 51.	2.8	77
39	Optimizing the dynamic and thermodynamic properties of hybridization in DNA-mediated nanoparticle self-assembly. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11774-11783.	2.8	3
40	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
41	A novel synergistic confinement strategy for controlled synthesis of high-entropy alloy electrocatalysts. <i>Chemical Communications</i> , 2021, 57, 2637-2640.	4.1	31
42	Bio-Based Hotmelt Adhesives with Well-Adhesion in Water. <i>Polymers</i> , 2021, 13, 666.	4.5	4
43	High-Performance Polylactic Acid Materials Enabled by TiO ₂ "Polydopamine Hybrid Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 3999-4008.	3.7	13
44	Efficiency enhancement of p-type multi-crystalline solar cells in different efficiency grades by hydrogenation with electron injection. <i>Journal of Renewable and Sustainable Energy</i> , 2021, 13, 023501.	2.0	2
45	A comparative study on the influences of whisker and conventional carbon nanotubes on the electrical and thermal conductivity of polyether ether ketone composites. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50720.	2.6	8
46	Strikingly toughening polylactide by using novel core-shell starch-based nanoparticles with double polymer shells. <i>Materials Letters</i> , 2021, 289, 129400.	2.6	5
47	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
48	<i>Poriella subacida</i> Gen. & Comb Nov. for <i>Perenniporia subacida</i> (Peck) Donk. <i>Agronomy</i> , 2021, 11, 1308.	3.0	1
49	Multiple Response Colors of Invisible Hollow Silica Photonic Crystals Patterns for Information Encoding. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100814.	3.7	8
50	lncRNA SOX2-OT ceRNA network enhances the malignancy of long-term PM2.5-exposed human bronchial epithelia. <i>Ecotoxicology and Environmental Safety</i> , 2021, 217, 112242.	6.0	5
51	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
52	Enhanced crystallization and storage stability of mechanical properties of biosynthesized poly (3-hydroxybutyrate-co-3-hydroxyhexanate) induced by self-nucleation. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 797-803.	7.5	7
53	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
54	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

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55	Fabricating a Repairable, Recyclable, Imine-based Dynamic Covalent Thermosetting Resin with Excellent Water Resistance by Introducing Dynamic Covalent Oxime Bonds. <i>ChemSusChem</i> , 2021, 14, 4340-4348.	6.8	9
56	Wood-Derived Composites with High Performance for Thermal Management Applications. <i>Biomacromolecules</i> , 2021, 22, 4228-4236.	5.4	6
57	Polyimide Nanofiber-Reinforced $Ti_3C_2T_x$ 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
58	New Insights into Intestinal Permeability in Irritable Bowel Syndrome-Like Disorders: Histological and Ultrastructural Findings of Duodenal Biopsies. <i>Cells</i> , 2021, 10, 2593.	4.1	4
59	Skin bioinspired anti-ultraviolet melanin/TiO ₂ nanoparticles without penetration for efficient broad-spectrum sunscreen. <i>Colloid and Polymer Science</i> , 2021, 299, 1797-1805.	2.1	11
60	A Surface-Confined Gradient Conductive Network Strategy for Transparent Strain Sensors toward Full-Range Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43806-43819.	8.0	2
61	Hypoxia-Inducible Exosomes Facilitate Liver-Tropic Premetastatic Niche in Colorectal Cancer. <i>Hepatology</i> , 2021, 74, 2633-2651.	7.3	73
62	Fe ₃ O ₄ Nanoparticle-Decorated Graphene Oxide Nanosheets for Magnetic Assembly of Artificial Nacre. <i>ACS Applied Nano Materials</i> , 2021, 4, 9689-9696.	5.0	6
63	Patternable structural color prepared by using photonic crystal paints with high solid content. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127212.	4.7	7
64	Design of degradable core-shell starch nanoparticles by radical ring-opening polymerization of 2-methylene-1,3-dioxepane and their toughening of poly (lactic acid). <i>Composites Communications</i> , 2021, 27, 100808.	6.3	7
65	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
66	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
67	Flexible core-shell Cs _x WO ₃ -based films with high UV/NIR filtration efficiency and stability. <i>Nanoscale Advances</i> , 2021, 3, 3177-3183.	4.6	10
68	One-step mild preparation of tough and thermo-reversible poly(vinyl alcohol) hydrogels induced by small molecules. <i>Chemical Communications</i> , 2021, 57, 3789-3792.	4.1	11
69	Superior toughened bio-compostable Poly(glycolic acid)-based blends with enhanced melt strength via selective interfacial localization of in-situ grafted copolymers. <i>Polymer</i> , 2021, 235, 124269.	3.8	29
70	Compressible and robust PANI sponge anchored with erected MXene flakes for human motion detection. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 151, 106671.	7.6	33
71	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
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	Novel thermoplastic vulcanizates by selectively dynamic cross-linking based on PVDF/PTW blends: structure and property. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 195-203.	1.3	1
74	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
75	Thallus sectioning as an efficient monospore release method in <i>Pyropia yezoensis</i> (Bangiales, Rhodophyta). <i>Journal of Applied Phycology</i> , 2020, 26, 107-114.	2.8	28
76	Up-regulation of miR-297 mediates aluminum oxide nanoparticle-induced lung inflammation through activation of Notch pathway. <i>Environmental Pollution</i> , 2020, 259, 113839.	7.5	14
77	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
78	Photo-crosslinking Strategy Constructs Adhesive, Superabsorbent, and Tough PVA-based Hydrogel through Controlling the Balance of Cohesion and Adhesion. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900623.	3.6	27
79	Antimicrobial Waterborne Polyurethanes Based on Quaternary Ammonium Compounds. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 458-463.	3.7	31
80	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
81	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
82	Self-standing Hydrogels Composed of Conducting Polymers for All-state Supercapacitors. <i>Chemistry - A European Journal</i> , 2020, 26, 1846-1855.	3.3	28
83	Rheology-determined critical conditions for shear-induced crystallization of biosynthesized polyhydroxyalkanoates. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 1301-1308.	7.5	8
84	Modified alkaline lignin for ductile polylactide composites. <i>Composites Communications</i> , 2020, 22, 100501.	6.3	13
85	Hydrophobic, UV resistant and dielectric polyurethane-nanolignin composites with good reprocessability. <i>Materials and Design</i> , 2020, 196, 109150.	7.0	33
86	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
87	<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
88	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
89	Excellent UV Resistance of Polylactide by Interfacial Stereocomplexation with Double-Shell-Structured TiO ₂ Nanohybrids. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49090-49100.	8.0	29
90	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

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91	Hybrid double-network hydrogels with excellent mechanical properties. <i>New Journal of Chemistry</i> , 2020, 44, 16569-16576.	2.8	11
92	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
93	Numerical study on the ceramic tool abrasion in machining superalloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 111, 2601-2614.	3.0	7
94	MAGI2 polymorphism contributes to colorectal cancer risk through altering the binding affinity of the transcription factor GR to the MAGI2 promoter. <i>Journal of Clinical Laboratory Analysis</i> , 2020, 34, e23431.	2.1	14
95	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
96	A Bio-Based Flame-Retardant Starch Based On Phytic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10265-10274.	6.7	72
97	MicroRNA-382-5p is involved in pulmonary inflammation induced by fine particulate matter exposure. <i>Environmental Pollution</i> , 2020, 262, 114278.	7.5	20
98	Multiscale-structured superhydrophobic/superoleophilic SiO ₂ composite poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 conditions. <i>New Journal of Chemistry</i> , 2020, 44, 3824-3827.	2.8	9
99	Retrospective and Randomized Analysis of Influence and Correlation of Clinical and Molecular Prognostic Factors in a Mono-Operative Series of 122 Patients with Glioblastoma Treated with STR or GTR. <i>Brain Sciences</i> , 2020, 10, 91.	2.3	12
100	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
101	CircPTK2 (hsa_circ_0005273) as a novel therapeutic target for metastatic colorectal cancer. <i>Molecular Cancer</i> , 2020, 19, 13.	19.2	146
102	Real-Ambient Particulate Matter Exposure-Induced Cardiotoxicity in C57/B6 Mice. <i>Frontiers in Pharmacology</i> , 2020, 11, 199.	3.5	24
103	Photoprotective and multifunctional polymer film with excellent near-infrared and UV shielding properties. <i>Composites Communications</i> , 2020, 22, 100443.	6.3	22
104	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
105	A union neutron-gamma logging method for determination of uranium-radium disequilibrium coefficient. <i>Nuclear Technology and Radiation Protection</i> , 2020, 35, 103-108.	0.8	0
106	Heart Rate Detection with the Off-the-Shelf Camera: Static to Non-Static. , 2020, , .		0
107	Long Noncoding RNA MIR17HG Promotes Colorectal Cancer Progression via miR-17-5p. <i>Cancer Research</i> , 2019, 79, 4882-4895.	0.9	157
108	Clinicopathologic and epidemiological characteristics of prognostic factors in post-surgical survival of colorectal cancer patients in Jiangsu Province, China. <i>Cancer Epidemiology</i> , 2019, 62, 101565.	1.9	14

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109	Core-Shell Starch Nanoparticles Improve the Mechanical and Thermal Properties of Poly(propylene) Tj ETQq1 1 0,784314 rgBT /Overl 6.7	6.7	18
110	Preparation and characterisation of nickel-plated carbon fibre/polyether ether ketone composites with high electromagnetic shielding and high thermal conductivity. Colloid and Polymer Science, 2019, 297, 967-977.	2.1	20
111	Low-Electronegativity Vanadium Substitution in Cobalt Carbide Induced Enhanced Electron Transfer for Efficient Overall Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 43261-43269.	8.0	49
112	Photothermal-Responsive Graphene Oxide Membrane with Smart Gates for Water Purification. ACS Applied Materials & Interfaces, 2019, 11, 44886-44893.	8.0	31
113	A PCB Image Self-adaption Threshold Segmentation Method Fusing Color Information and OTSU Theory. , 2019, , .		1
114	Design of Supertoughened and Heat-Resistant PLLA/Elastomer Blends by Controlling the Distribution of Stereocomplex Crystallites and the Morphology. Macromolecules, 2019, 52, 1092-1103.	4.8	149
115	Pri-miR-34b/c rs4938723 Polymorphism is Associated with Decreased Risk and Better Prognosis for Colorectal Cancer Patients. Archives of Medical Research, 2019, 50, 55-62.	3.3	4
116	Temperature-regulated flexibility of polymer chains in rapidly self-healing hydrogels. NPG Asia Materials, 2019, 11, .	7.9	29
117	Fabrication of thermally conductive and electrically insulating polymer composites with isotropic thermal conductivity by constructing a three-dimensional interconnected network. Nanoscale, 2019, 11, 11360-11368.	5.6	63
118	Functionalization of cellulose nanocrystals with β -MPS and its effect on the adhesive behavior of acrylic pressure sensitive adhesives. Carbohydrate Polymers, 2019, 217, 168-177.	10.2	41
119	The Application of the Transient Optical Switch Based on Gradient Organic Heterojunctions. Plasmonics, 2019, 14, 1405-1410.	3.4	0
120	Multiple organ injury in male C57BL/6J mice exposed to ambient particulate matter in a real-ambient PM exposure system in Shijiazhuang, China. Environmental Pollution, 2019, 248, 874-887.	7.5	108
121	Photothermal-Triggered Shape Memory Polymer Prepared by Cross-Linking Porphyrin-Loaded Micellar Particles. Materials, 2019, 12, 496.	2.9	17
122	Ambient PM2.5 caused depressive-like responses through Nrf2/NLRP3 signaling pathway modulating inflammation. Journal of Hazardous Materials, 2019, 369, 180-190.	12.4	112
123	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
124	Preparation and Properties of Polycarbonate/Polystyrene Bead Alloy via Solvent Evaporation Method. ChemistrySelect, 2019, 4, 13755-13759.	1.5	3
125	Inhibition of ATP citrate lyase (ACLY) protects airway epithelia from PM2.5-induced epithelial-mesenchymal transition. Ecotoxicology and Environmental Safety, 2019, 167, 309-316.	6.0	25
126	DR4 mediates the progression, invasion, metastasis and survival of colorectal cancer through the Sp1/NF1 switch axis on genomic locus. International Journal of Cancer, 2018, 143, 289-297.	5.1	15

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127	Effects of Melanin on Optical Behavior of Polymer: From Natural Pigment to Materials Applications. ACS Applied Materials & Interfaces, 2018, 10, 13100-13106.	8.0	64
128	MPO Promoter Polymorphism rs2333227 Enhances Malignant Phenotypes of Colorectal Cancer by Altering the Binding Affinity of AP-2. Cancer Research, 2018, 78, 2760-2769.	0.9	15
129	Interfacial Interaction Analysis of Blends of Poly(vinylidene fluoride) and Poly(ethylene-butylacrylate-glycidyl methacrylate) Compatibilized by Poly(butylene succinate): Morphologies, Rheological Behavior, and Mechanical Properties. Polymer-Plastics Technology and Engineering, 2018, 57, 206-217.	1.9	0
130	All cellulose composites based on cellulose diacetate and nanofibrillated cellulose prepared by alkali treatment. Carbohydrate Polymers, 2018, 179, 297-304.	10.2	80
131	The crystallization behavior of poly(lactic acid) with different types of nucleating agents. International Journal of Biological Macromolecules, 2018, 106, 955-962.	7.5	84
132	Design of bio-based conductive and fast crystallizing nanocomposites with controllable distribution of multiwalled carbon nanotubes via interfacial stereocomplexation. Chemical Engineering Journal, 2018, 336, 223-232.	12.7	20
133	Highly stretchable and fatigue resistant hydrogels with low Young's modulus as transparent and flexible strain sensors. Journal of Materials Chemistry C, 2018, 6, 11193-11201.	5.5	70
134	Enhancement of Conductivity and Thermoelectric Property of PEDOT:PSS via Acid Doping and Single Post-treatment for Flexible Power Generator. Advanced Sustainable Systems, 2018, 2, 1800085.	5.3	101
135	Evaluation of correlation between PM2.5 and radon-progeny equilibrium factor in radon chamber. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	5
136	Green functionalization of cellulose nanocrystals for application in reinforced poly(methyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	10.2	27
137	Smart Design of Rapid Crystallizing and Nonleaching Antibacterial Poly(lactide) Nanocomposites by Sustainable Aminolysis Grafting and in Situ Interfacial Stereocomplexation. ACS Sustainable Chemistry and Engineering, 2018, 6, 13367-13377.	6.7	23
138	A facile method to fabricate tough hydrogel with ultra-wide adjustable stiffness, stress, and fast recoverability. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1469-1474.	2.1	6
139	Core-Shell Starch Nanoparticles and Their Toughening of Polylactide. Industrial & Engineering Chemistry Research, 2018, 57, 13048-13054.	3.7	20
140	Polydopamine functional reduced graphene oxide for enhanced mechanical and electrical properties of waterborne polyurethane nanocomposites. Journal of Coatings Technology Research, 2018, 15, 1333-1341.	2.5	36
141	Electrocatalytic Nanomaterials: Atomic-Scale Core/Shell Structure Engineering Induces Precise Tensile Strain to Boost Hydrogen Evolution Catalysis (Adv. Mater. 26/2018). Advanced Materials, 2018, 30, 1870191.	21.0	1
142	Effects of modified nanocrystalline cellulose on the hydrophilicity, crystallization and mechanical behaviors of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). New Journal of Chemistry, 2018, 42, 11972-11978.	2.8	22
143	Multi-generational effects of lindane on nematode lipid metabolism with disturbances on insulin-like signal pathway. Chemosphere, 2018, 210, 607-614.	8.2	29
144	Graphene-assisted fabrication of poly(ϵ -caprolactone)-based nanocomposites with high mechanical properties and self-healing functionality. New Journal of Chemistry, 2018, 42, 10348-10356.	2.8	13

#	ARTICLE	IF	CITATIONS
145	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
146	Interpenetrating polymer networks in polyvinyl alcohol/cellulose nanocrystals hydrogels to develop absorbent materials. <i>Carbohydrate Polymers</i> , 2018, 200, 468-476.	10.2	63
147	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
148	DN strategy constructed photo-crosslinked PVA/CNC/P(NIPAm-co-AA) hydrogels with temperature-sensitive and pH-sensitive properties. <i>New Journal of Chemistry</i> , 2018, 42, 13453-13460.	2.8	16
149	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
150	Structure and thermal behaviors of poly(vinyl alcohol)/surfactant composites: Investigation of molecular interaction and mechanism. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2224-2229.	3.2	6
151	Artificial Nacre from Supramolecular Assembly of Graphene Oxide. <i>ACS Nano</i> , 2018, 12, 6228-6235.	14.6	85
152	Superior Performance of Artificial Nacre Based on Graphene Oxide Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4215-4222.	8.0	75
153	Enhanced Thermal Stability and UV-Shielding Properties of Poly(vinyl alcohol) Based on Esculetin. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1148-1157.	2.6	34
154	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
155	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
156	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
157	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
158	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
159	Interfacial modification on polyhydroxyalkanoates/starch blend by grafting <i>in-situ</i> . <i>Carbohydrate Polymers</i> , 2017, 174, 716-722.	10.2	31
160	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
161	Design of polyurethane acrylic antimicrobial films via one-step UV curing. <i>New Journal of Chemistry</i> , 2017, 41, 9762-9768.	2.8	13
162	A self-supported electrochemical sensor for simultaneous sensitive detection of trace heavy metal ions based on PtAu alloy/carbon nanofibers. <i>Analytical Methods</i> , 2017, 9, 6801-6807.	2.7	13

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	XRCC1 mediated the development of cervical cancer through a novel Sp1/Krox-20 switch. <i>Oncotarget</i> , 2017, 8, 86217-86226.	1.8	12
166	Superoxide Dismutase (SOD) and Catalase (CAT) Activity Assay Protocols for <i>Caenorhabditis elegans</i> . <i>Bio-protocol</i> , 2017, 7, e2505.	0.4	28
167	The Effect of Thermal History on the Fast Crystallization of Poly(l-Lactide) with Soluble-Type Nucleators and Shear Flow. <i>Polymers</i> , 2016, 8, 431.	4.5	4
168	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
169	High-performance poly(lactide) composites by construction of network-like shish-kebab crystals. <i>RSC Advances</i> , 2016, 6, 71046-71051.	3.6	10
170	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
171	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
172	PSCA rs2294008 polymorphism contributes to the decreased risk for cervical cancer in a Chinese population. <i>Scientific Reports</i> , 2016, 6, 23465.	3.3	14
173	Preparation and characterization of innovative cellulose diacetate/epoxy resin blends modified by isophorone diamine. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	7
174	Superior Performance of Polyurethane Based on Natural Melanin Nanoparticles. <i>Biomacromolecules</i> , 2016, 17, 3782-3789.	5.4	74
175	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
176	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
177	MicroRNA-1228* inhibit apoptosis in A549 cells exposed to fine particulate matter. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10103-10113.	5.3	30
178	SOX2 inhibits metastasis in gastric cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2016, 142, 1221-1230.	2.5	32
179	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
180	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

#	ARTICLE	IF	CITATIONS
181	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
182	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
183	Crystallization modification of poly(lactide) by using nucleating agents and stereocomplexation. <i>E-Polymers</i> , 2016, 16, 1-13.	3.0	59
184	Examining brain structures associated with the motive to achieve success and the motive to avoid failure: A voxel-based morphometry study. <i>Social Neuroscience</i> , 2016, 11, 38-48.	1.3	8
185	microRNA-802/Rnd3 pathway imposes on carcinogenesis and metastasis of fine particulate matter exposure. <i>Oncotarget</i> , 2016, 7, 35026-35043.	1.8	30
186	Role of microRNA-4516 involved autophagy associated with exposure to fine particulate matter. <i>Oncotarget</i> , 2016, 7, 45385-45397.	1.8	34
187	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
188	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
189	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
190	The Acetate/ACSS2 Switch Regulates HIF-2 Stress Signaling in the Tumor Cell Microenvironment. <i>PLoS ONE</i> , 2015, 10, e0116515.	2.5	52
191	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
192	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
193	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
194	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
195	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
196	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
197	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
198	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

#	ARTICLE	IF	CITATIONS
199	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
200	Strong nanocomposite reinforcement effects in poly(vinyl alcohol) with melanin nanoparticles. <i>RSC Advances</i> , 2015, 5, 72691-72698.	3.6	47
201	Biobased Poly(lactide)/ethylene-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
202	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
203	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
204	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
205	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
206	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
207	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
208	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
209	Influence of phthalic anhydride and bioazoline on the mechanical and morphological properties of biodegradable poly(lactic acid)/poly[(butylene adipate)-co-terephthalate] blends. <i>Polymer International</i> , 2013, 62, 1783-1790.	3.1	42
210	Structure/Property Relationships of Partially Crosslinked Poly(butylene succinate). <i>Macromolecular Materials and Engineering</i> , 2013, 298, 910-918.	3.6	21
211	Studies on photoreactive and biodegradable copolymers composed of poly(ϵ -caprolactone) and 4-hydroxycinnamic acid. <i>Polymer Journal</i> , 2012, 44, 1123-1130.	2.7	6
212	Synthesis and Properties of Degradable Copolymers Composed of Poly(ϵ -caprolactone) and 3,4-dihydroxycinnamic Acid. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2445-2452.	4.9	4
213	Synthesis and characterization of biodegradable polymers composed of 3,4-dihydroxycinnamic acid and poly(ethylene glycol). <i>Journal of Applied Polymer Science</i> , 2012, 125, 1657-1662.	2.6	2
214	Synthesis and biocompatibility of phosphoryl polymer and relationship between biocompatibility and water structure. <i>Polymer Science - Series B</i> , 2012, 54, 335-341.	0.8	4
215	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
216	Synthesis and Characterization of NiO/Mesoporous Silica Nanocomposite. <i>Integrated Ferroelectrics</i> , 2011, 128, 135-141.	0.7	2

#	ARTICLE	IF	CITATIONS
217	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
218	The influence of the growth temperature on the doping characteristics of P-GaP layers in AlGaInP red LED. , 2010, , .		0
219	UWRR: A Novel Scheduling Algorithm for Self-Similar Multi-Services in Optical Packet Switching Network. , 2010, , .		1
220	Nitrogen-doped carbon boosting Fe ₂ O ₃ anode performance for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , 1.	2.2	4
221	Dehydroepiandrosterone alleviates hypoxia-induced learning and memory dysfunction by maintaining synaptic homeostasis. <i>CNS Neuroscience and Therapeutics</i> , 0, , .	3.9	3