

Xianhu Liu

List of Publications by Year in descending order

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205
papers

12,238
citations

20817

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207
times ranked

9636
citing authors

#	ARTICLE	IF	CITATIONS
1	Size Regulation of Polydopamine Nanoparticles by Boronic Acid and Lewis Base. <i>Macromolecular Rapid Communications</i> , 2023, 44, e2100916.	3.9	39
2	Promising commercial fabrics with radiative cooling for personal thermal management. <i>Science Bulletin</i> , 2022, 67, 229-231.	9.0	4
3	Ultrastable and high-performance seawater-based photoelectrolysis system for solar hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120883.	20.2	39
4	Constructing N-Doped graphene supported MoS ₂ @Ni ₃ S ₄ for pseudocapacitive sodium-ion storage with high rate and long life. <i>Materials Today Chemistry</i> , 2022, 23, 100713.	3.5	3
5	Interface-Confined Surface Engineering via Photoelectrochemical Etching toward Solar Neutral Water Splitting. <i>ACS Catalysis</i> , 2022, 12, 1686-1696.	11.2	42
6	Highly branched amylopectin binder for sulfur cathodes with enhanced performance and longevity. <i>Exploration</i> , 2022, 2, 20210131.	11.0	23
7	Performance Improvement of Li ₆ PS ₅ Cl Solid Electrolyte Modified by Poly(ethylene oxide)-Based Composite Polymer Electrolyte with ZSM-5 Molecular Sieves. <i>ACS Applied Energy Materials</i> , 2022, 5, 2356-2365.	5.1	9
8	Bimodal Tactile Sensor without Signal Fusion for User-Interactive Applications. <i>ACS Nano</i> , 2022, 16, 2789-2797.	14.6	54
9	NiMoO _x as a highly protective layer against photocorrosion for solar seawater splitting. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1270-1277.	10.3	20
10	Flexible, conductive, and anisotropic thermoplastic polyurethane/polydopamine/MXene foam for piezoresistive sensors and motion monitoring. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 155, 106838.	7.6	86
11	Managing Phase Orientation and Crystallinity of Printed Dionâ€Jacobson 2D Perovskite Layers via Controlling Crystallization Kinetics. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	33
12	Interfacial engineering for metal oxide/nitride nano-heterojunctions towards high-rate lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7391-7398.	10.3	18
13	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
14	Atomic Shortâ€Range Order in a Cationâ€Deficient Perovskite Anode for Fastâ€Charging and Longâ€Life Lithiumâ€Ion Batteries. <i>Advanced Materials</i> , 2022, 34, e2200914.	21.0	25
15	Oilâ€Water Separation Polypropylene Foam with Advanced Solventâ€Evaporation Induced Coexistence of Microspheres and Microporous Structure. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200177.	3.9	15
16	Microspheres Modified with Superhydrophobic Nonâ€Woven Fabric with Highâ€Efficiency Oilâ€Water Separation: Controlled Water Content in PLA Solution. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	3.6	12
17	Sustainable â€Sweet and Saltyâ€Synthesis of Hierarchical Porous Carbon for Lithiumâ€Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 4991-5001.	5.1	6
18	Atomically embedded Ag on transition metal hydroxides triggers the lattice oxygen towards sustained seawater electrolysis. <i>Nano Energy</i> , 2022, 98, 107212.	16.0	37

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19	Selective assembly of magnetic nano-antenna for electromagnetic dissipation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10909-10915.	10.3	8
20	Vortex tuning magnetization configurations in porous Fe ₃ O ₄ nanotube with wide microwave absorption frequency. <i>Nano Research</i> , 2022, 15, 6743-6750.	10.4	31
21	Superhydrophobic polycarbonate blend monolith with micro/nano porous structure for selective oil/water separation. <i>Polymer</i> , 2022, 253, 124994.	3.8	17
22	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
23	Magnetic Interacted Interaction Effect in MXene Skeleton: Enhanced Thermal Generation for Electromagnetic Interference Shielding. <i>Small</i> , 2022, 18, .	10.0	31
24	Reduction of charge carrier recombination by Ce gradient doping and surface polarization for solar water splitting. <i>Chemical Engineering Journal</i> , 2022, 448, 137602.	12.7	22
25	Engineering polarization surface of hierarchical ZnO microspheres via spray-annealing strategy for wide-frequency electromagnetic wave absorption. <i>Journal of Materials Science and Technology</i> , 2022, 131, 231-239.	10.7	26
26	Remarkable Magnetic Exchange Coupling via Constructing Bi-Magnetic Interface for Broadband Lower-Frequency Microwave Absorption. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	82
27	In Situ Formed Protective Layer: Toward a More Stable Interface between the Lithium Metal Anode and Li ₆ PS ₅ Cl Solid Electrolyte. <i>ACS Applied Energy Materials</i> , 2022, 5, 8428-8436.	5.1	28
28	Electrospun poly(vinyl alcohol)/silica film for radiative cooling. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 1966-1975.	21.1	40
29	Morphology-Evolved Succulent-like FeCo Microarchitectures with Magnetic Configuration Regulation for Enhanced Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32369-32378.	8.0	16
30	Orientation growth modulated magnetic-carbon microspheres toward broadband electromagnetic wave absorption. <i>Carbon</i> , 2021, 172, 516-528.	10.3	85
31	The thermal management of wearable and stretchable electronics. <i>Science Bulletin</i> , 2021, 66, 301-302.	9.0	4
32	Polyphenol scaffolds in tissue engineering. <i>Materials Horizons</i> , 2021, 8, 145-167.	12.2	203
33	Cobalt (II) oxide nanosheets with rich oxygen vacancies as highly efficient bifunctional catalysts for ultra-stable rechargeable Zn-air flow battery. <i>Nano Energy</i> , 2021, 79, 105409.	16.0	74
34	Tea stain-inspired solar energy harvesting polyphenolic nanocoatings with tunable absorption spectra. <i>Nano Research</i> , 2021, 14, 969-975.	10.4	46
35	Double ligand MOF-derived pomegranate-like Ni@C microspheres as high-performance microwave absorber. <i>Applied Surface Science</i> , 2021, 538, 148051.	6.1	74
36	Advancing the open-circuit voltage of tin halide perovskites via tailoring electron transport layer. <i>Science Bulletin</i> , 2021, 66, 204-205.	9.0	0

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37	Flexible hydrophobic 2D Ti ₃ C ₂ T _x -based transparent conductive film with multifunctional self-cleaning, electromagnetic interference shielding and joule heating capacities. <i>Composites Science and Technology</i> , 2021, 201, 108531.	7.8	54
38	Interface Engineering of CoS/CoO@N-Doped Graphene Nanocomposite for High-Performance Rechargeable Zn-Air Batteries. <i>Nano-Micro Letters</i> , 2021, 13, 3.	27.0	95
39	In situ XRD and electrochemical investigation on a new intercalation-type anode for high-rate lithium ion capacitor. <i>Journal of Energy Chemistry</i> , 2021, 57, 109-117.	12.9	25
40	A simple superhydrophobic/superhydrophilic Janus-paper with enhanced biocompatibility by PDMS and candle soot coating for actuator. <i>Chemical Engineering Journal</i> , 2021, 406, 126532.	12.7	65
41	Highly Sensitive Ultrathin Flexible Thermoplastic Polyurethane/Carbon Black Fibrous Film Strain Sensor with Adjustable Scaffold Networks. <i>Nano-Micro Letters</i> , 2021, 13, 64.	27.0	189
42	PVDF-Ni/PE-CNTs Composite Foams with Co-Continuous Structure for Electromagnetic Interference Shielding and Photo-Electro-Thermal Properties. <i>Engineered Science</i> , 2021, , .	2.3	26
43	Rationally constructing a hierarchical two-dimensional NiCo metal-organic framework/graphene hybrid for highly efficient Li ⁺ ion storage. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4589-4595.	5.9	16
44	A Mussel-Inspired Polydopamine-Filled Cellulose Aerogel for Solar-Enabled Water Remediation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7617-7624.	8.0	172
45	An ultra-light, superhydrophobic and thermal insulation ultra-high molecular weight polyethylene foam. <i>Polymer</i> , 2021, 218, 123528.	3.8	33
46	Natural methionine-passivated MAPbI ₃ perovskite films for efficient and stable solar devices. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 1261-1269.	21.1	27
47	Boosting solar steam generation by photothermal enhanced polydopamine/wood composites. <i>Polymer</i> , 2021, 217, 123464.	3.8	132
48	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
49	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
50	Emergence of melanin-inspired supercapacitors. <i>Nano Today</i> , 2021, 37, 101075.	11.9	121
51	Largely improved thermal conductivity of HDPE composites by building a 3D hybrid fillers network. <i>Composites Science and Technology</i> , 2021, 206, 108666.	7.8	89
52	Flexible and thin multifunctional waterborne polyurethane/Ag film for high-efficiency electromagnetic interference shielding, electro-thermal and strain sensing performances. <i>Composites Part B: Engineering</i> , 2021, 210, 108668.	12.0	80
53	Interface-Constrained Layered Double Hydroxides for Stable Uranium Capture in Highly Acidic Industrial Wastewater. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17988-17997.	8.0	25
54	Metal-phenolic network green flame retardants. <i>Polymer</i> , 2021, 221, 123627.	3.8	40

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55	Spin-polarized oxygen evolution reaction under magnetic field. <i>Nature Communications</i> , 2021, 12, 2608.	12.8	242
56	Water-endurable intercalated graphene oxide adsorbent with highly efficient uranium capture from acidic wastewater. <i>Separation and Purification Technology</i> , 2021, 263, 118364.	7.9	41
57	Flexible Polydopamine Bioelectronics. <i>Advanced Functional Materials</i> , 2021, 31, 2103391.	14.9	102
58	Photo-driven Oxygen Vacancies Extends Charge Carrier Lifetime for Efficient Solar Water Splitting. <i>Angewandte Chemie</i> , 2021, 133, 17742-17748.	2.0	6
59	Asymmetric Superhydrophobic Textiles for Electromagnetic Interference Shielding, Photothermal Conversion, and Solar Water Evaporation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28996-29007.	8.0	65
60	A general strategy towards transition metal nitrides (TMNs)/rGO nanocomposites for superior lithium ion storage. <i>Journal of Alloys and Compounds</i> , 2021, 865, 158968.	5.5	9
61	MoS ₂ Nanosheets uniformly grown on polyphosphazene-derived carbon nanospheres for lithium-ion batteries. <i>Surfaces and Interfaces</i> , 2021, 24, 101034.	3.0	5
62	Interfacial Strain Engineering in Wide-Bandgap GeS Thin Films for Photovoltaics. <i>Journal of the American Chemical Society</i> , 2021, 143, 9664-9671.	13.7	36
63	Photo-driven Oxygen Vacancies Extends Charge Carrier Lifetime for Efficient Solar Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17601-17607.	13.8	67
64	Green Nanoparticle Scavengers against Oxidative Stress. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39126-39134.	8.0	30
65	Multifunctional and superhydrophobic cellulose composite paper for electromagnetic shielding, hydraulic triboelectric nanogenerator and Joule heating applications. <i>Chemical Engineering Journal</i> , 2021, 420, 129864.	12.7	79
66	Mechanoluminescent hybrids from a natural resource for energy-related applications. <i>Informa Materials</i> , 2021, 3, 1272-1284.	17.3	53
67	Functional additives for solid polymer electrolytes in flexible and high-energy-density solid-state lithium-ion batteries. , 2021, 3, 929-956.		63
68	In situ construction of hybrid Co(OH) ₂ nanowires for promoting long-term water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120063.	20.2	58
69	Flexible Ag Microparticle/MXene-Based Film for Energy Harvesting. <i>Nano-Micro Letters</i> , 2021, 13, 201.	27.0	57
70	Wide-bandgap perovskites for indoor photovoltaics. <i>Science Bulletin</i> , 2021, 66, 2047-2049.	9.0	4
71	Steering electron transfer using interface engineering on front-illuminated robust BiVO ₄ photoanodes. <i>Nano Energy</i> , 2021, 89, 106360.	16.0	53
72	Tungsten induced defects control on BiVO ₄ photoanodes for enhanced solar water splitting performance and photocorrosion resistance. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120610.	20.2	32

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73	A bridging coordination of urea tailoring metal hydroxides oxygen evolution catalysts promotes stable solar water splitting. <i>Chemical Engineering Journal</i> , 2021, 426, 131062.	12.7	21
74	L-Arginine/nanofish bone nanocomplex enhances bone regeneration via antioxidant activities and osteoimmunomodulatory properties. <i>Chinese Chemical Letters</i> , 2021, 32, 234-238.	9.0	14
75	Boosting the stability of BiVO ₄ photoanodes: <i>in situ</i> cocatalyst passivation and immobilization by functional fluorine anions. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6298-6305.	10.3	28
76	Polydopamine antibacterial materials. <i>Materials Horizons</i> , 2021, 8, 1618-1633.	12.2	246
77	Natural polyphenol fluorescent polymer dots. <i>Green Chemistry</i> , 2021, 23, 1834-1839.	9.0	44
78	Ni nanoparticles/V ₄ C ₃ T _x MXene heterostructures for electrocatalytic nitrogen fixation. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2338-2346.	5.9	38
79	Active Phase on SrCo _{1-x} Fe _x O _{3-δ} (0 ≤ x ≤ 0.5) Perovskite for Water Oxidation: Reconstructed Surface versus Remaining Bulk. <i>Jacs Au</i> , 2021, 1, 108-115.	7.9	47
80	Pt-Induced Defects Curing on BiVO ₄ Photoanodes for Near-Threshold Charge Separation. <i>Advanced Energy Materials</i> , 2021, 11, 2102384.	19.5	76
81	Electrospun PVDF/PAN membrane for pressure sensor and sodium-ion battery separator. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 1215-1225.	21.1	99
82	Synthetic melanin facilitates MnO supercapacitors with high specific capacitance and wide operation potential window. <i>Polymer</i> , 2021, 235, 124276.	3.8	43
83	Zero-strain Ca _{0.4} Ce _{0.6} VO ₄ anode material for high capacity and long-life Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25663-25671.	10.3	4
84	Phosphate glass fibers facilitate proliferation and osteogenesis through Runx2 transcription in murine osteoblastic cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 316-326.	4.0	11
85	Simple fabrication of superhydrophobic PLA with honeycomb-like structures for high-efficiency oil-water separation. <i>Chinese Chemical Letters</i> , 2020, 31, 365-368.	9.0	84
86	Polyfluorene Copolymers as High-Performance Hole-Transport Materials for Inverted Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900384.	5.8	21
87	Spiro-Linked Molecular Hole-Transport Materials for Highly Efficient Inverted Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900389.	5.8	28
88	Recent developments in polydopamine fluorescent nanomaterials. <i>Materials Horizons</i> , 2020, 7, 746-761.	12.2	171
89	Promoting the hydrogen evolution reaction through oxygen vacancies and phase transformation engineering on layered double hydroxide nanosheets. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2490-2497.	10.3	159
90	Synergistic effect of polypyrrole functionalized graphene oxide and zinc phosphate for enhanced anticorrosion performance of epoxy coatings. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 130, 105752.	7.6	52

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91	Porous Fe_2O_3 nanoparticles encapsulated within reduced graphene oxide as superior anode for lithium-ion battery. <i>Nanotechnology</i> , 2020, 31, 145404.	2.6	21
92	Epoxy coating with in-situ synthesis of polypyrrole functionalized graphene oxide for enhanced anticorrosive performance. <i>Progress in Organic Coatings</i> , 2020, 140, 105488.	3.9	48
93	Fabrication of bimodal open-porous poly (butylene succinate)/cellulose nanocrystals composite scaffolds for tissue engineering application. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 1164-1173.	7.5	52
94	Novel highly active and self-healing $\text{Co}(\text{CO}_3)_x\text{OH}_y$ cocatalysts on BiVO_4 photoanodes for effective solar water oxidation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2563-2570.	10.3	40
95	Roselle-like $\text{Zn}_2\text{Ti}_3\text{O}_8/\text{rGO}$ nanocomposite as anode for lithium ion capacitor. <i>Chemical Engineering Journal</i> , 2020, 385, 123881.	12.7	31
96	Heteroatoms-doped 3D carbon nanosphere cages embedded with MoS_2 for lithium-ion battery. <i>Electrochimica Acta</i> , 2020, 332, 135490.	5.2	25
97	MOF-Derived $\text{Ni}_x\text{Co}_x@$ Carbon with Tunable Nano-“Microstructure as Lightweight and Highly Efficient Electromagnetic Wave Absorber. <i>Nano-Micro Letters</i> , 2020, 12, 150.	27.0	222
98	Antioxidant shape amphiphiles for accelerated wound healing. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7018-7023.	5.8	40
99	Pb/C Composite with Spherical Pb Nanoparticles Encapsulated in Carbon Microspheres as a High-Performance Anode for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 7416-7426.	5.1	13
100	Manganese-based oxygen evolution catalysts boosting stable solar-driven water splitting: MnSe as an intermetallic phase. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25298-25305.	10.3	28
101	Mechanical, Thermal, and Rheological Properties of $\text{Ti}_3\text{C}_2\text{T}_x$ MXene/Thermoplastic Polyurethane Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000343.	3.6	44
102	Simple water tunable polyurethane microsphere for super-hydrophobic dip-coating and oil-water separation. <i>Polymer</i> , 2020, 204, 122833.	3.8	35
103	Metal ion-promoted fabrication of melanin-like poly(L-DOPA) nanoparticles for photothermal actuation. <i>Science China Chemistry</i> , 2020, 63, 1295-1305.	8.2	50
104	Polydopamine free radical scavengers. <i>Biomaterials Science</i> , 2020, 8, 4940-4950.	5.4	180
105	High-strength, flexible and cycling-stable piezo-resistive polymeric foams derived from thermoplastic polyurethane and multi-wall carbon nanotubes. <i>Composites Part B: Engineering</i> , 2020, 199, 108279.	12.0	68
106	Yttrium-Induced Regulation of Electron Density in NiFe Layered Double Hydroxides Yields Stable Solar Water Splitting. <i>ACS Catalysis</i> , 2020, 10, 10570-10576.	11.2	66
107	Encapsulation of Sulfur into N-Doped Porous Carbon Cages by a Facile, Template-Free Method for Stable Lithium-Sulfur Cathode. <i>Small</i> , 2020, 16, e2001027.	10.0	43
108	Recent Progress in Optoelectronic Synapses for Artificial Visual Perception System. <i>Small Structures</i> , 2020, 1, 2000029.	12.0	90

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109	Ultrasml Nanoparticle ROS Scavengers Based on Polyhedral Oligomeric Silsesquioxanes. Chinese Journal of Polymer Science (English Edition), 2020, 38, 1149-1156.	3.8	49
110	Biomass-derived nonprecious metal catalysts for oxygen reduction reaction: The demand-oriented engineering of active sites and structures. , 2020, 2, 561-581.		83
111	Domino Effect of Thickness Fluctuation on Subband Structure and Electron Transport within Semiconductor Cascade Structures. ACS Applied Materials & Interfaces, 2020, 12, 41950-41959.	8.0	7
112	Integrated POSS-dendrimer nanohybrid materials: current status and future perspective. Nanoscale, 2020, 12, 11395-11415.	5.6	55
113	Identifying the Crystalline Orientation of Mechanically Exfoliated Anisotropic Layered Materials through Their Morphologies. Advanced Materials Interfaces, 2020, 7, 2000612.	3.7	5
114	ROS Scavenging Biopolymers for Anti-inflammatory Diseases: Classification and Formulation. Advanced Materials Interfaces, 2020, 7, 2000632.	3.7	92
115	Oxygen-Defective TiNb ₂ O ₇ Nanochains with Enlarged Lattice Spacing for High-Rate Lithium Ion Capacitor. Advanced Materials Interfaces, 2020, 7, 2000705.	3.7	25
116	Improved microwave absorption performance of a multi-dimensional Fe ₂ O ₃ /CNTCM@CN assembly achieved by enhanced dielectric relaxation. Journal of Materials Chemistry C, 2020, 8, 5715-5726.	5.5	28
117	Magnetized MXene Microspheres with Multiscale Magnetic Coupling and Enhanced Polarized Interfaces for Distinct Microwave Absorption via a Spray-Drying Method. ACS Applied Materials & Interfaces, 2020, 12, 18138-18147.	8.0	108
118	Vertically Aligned 2D/3D Pb-Sn Perovskites with Enhanced Charge Extraction and Suppressed Phase Segregation for Efficient Printable Solar Cells. ACS Energy Letters, 2020, 5, 1386-1395.	17.4	111
119	Spontaneously Self-Assembly of a 2D/3D Heterostructure Enhances the Efficiency and Stability in Printed Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 2000173.	19.5	126
120	Efficient and Stable Planar n-p Sb ₂ Se ₃ Solar Cells Enabled by Oriented 1D Trigonal Selenium Structures. Advanced Science, 2020, 7, 2001013.	11.2	67
121	Effect of small amount of multi-walled carbon nanotubes on crystallization and thermal-mechanical properties of overflow microinjection molded isotactic polypropylene. Composites Communications, 2020, 21, 100381.	6.3	13
122	Flexible and Robust Polyaniline Composites for Highly Efficient and Durable Solar Desalination. ACS Applied Energy Materials, 2020, 3, 2634-2642.	5.1	73
123	V ₄ C ₃ Ti MXene: A promising active substrate for reactive surface modification and the enhanced electrocatalytic oxygen evolution activity. Information Materials, 2020, 2, 950-959.	17.3	85
124	Towards Long-Term Photostability of Nickel Hydroxide/BiVO ₄ Photoanodes for Oxygen Evolution Catalysts via In-Situ Catalyst Tuning. Angewandte Chemie, 2020, 132, 6272-6277.	2.0	52
125	Electrical conductivity of anisotropic PMMA composite filaments with aligned carbon fibers predicting the influence of measurement direction. RSC Advances, 2020, 10, 4156-4165.	3.6	7
126	Synergetic effect of nanoclay and nano-CaCO ₃ hybrid filler systems on the foaming properties and cellular structure of polystyrene nanocomposite foams using supercritical CO ₂ . Frontiers in Forests and Global Change, 2020, 39, 185-202.	1.1	5

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127	Towards Long-Term Photostability of Nickel Hydroxide/BiVO ₄ Photoanodes for Oxygen Evolution Catalysts via In-Situ Catalyst Tuning. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6213-6218.	13.8	169
128	Understanding the role of interface in advanced semiconductor nanostructure and its interplay with wave function overlap. <i>Nano Research</i> , 2020, 13, 1536-1543.	10.4	6
129	Conductive Li _{3.08} Cr _{0.02} Si _{0.09} V _{0.9} O ₄ Anode Material: Novel "Zero-Strain" Characteristic and Superior Electrochemical Li ⁺ Storage. <i>Advanced Energy Materials</i> , 2020, 10, 1904267.	19.5	53
130	Novel synthesis of orange-red emitting copper nanoclusters stabilized by methionine as a fluorescent probe for norfloxacin sensing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 236, 118334.	3.9	25
131	Controllable design of nanoworm-like nickel sulfides for efficient electrochemical water splitting in alkaline media. <i>Materials Today Energy</i> , 2020, 18, 100573.	4.7	25
132	Poly (vinyl alcohol)/Graphene Nanocomposite Hydrogel Scaffolds for Control of Cell Adhesion. <i>Journal of Renewable Materials</i> , 2020, 8, 89-99.	2.2	13
133	Influence of UVB-Irradiation on the Structures and Solid Particle Erosion Resistance for CF/PC Composites. <i>Journal of Materials Science and Chemical Engineering</i> , 2020, 08, 1-7.	0.4	0
134	Facile fabrication of durable superhydrophobic mesh via candle soot for oil-water separation. <i>Progress in Organic Coatings</i> , 2019, 136, 105253.	3.9	31
135	Synthetic Biopigment Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30360-30367.	8.0	50
136	Creep behavior and mechanical properties of isotactic polypropylene composites via twice melt injection molding. <i>Advanced Industrial and Engineering Polymer Research</i> , 2019, 2, 102-109.	4.7	1
137	Highly Compressible and Robust Polyimide/Carbon Nanotube Composite Aerogel for High-Performance Wearable Pressure Sensor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42594-42606.	8.0	255
138	2D-3D heterostructure enables scalable coating of efficient low-bandgap Sn-Pb mixed perovskite solar cells. <i>Nano Energy</i> , 2019, 66, 104099.	16.0	63
139	Dynamic viscoelasticity and molecular orientation in uniaxially drawn PC/PET blends. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47514.	2.6	4
140	Superhydrophobic Electrically Conductive Paper for Ultrasensitive Strain Sensor with Excellent Anticorrosion and Self-Cleaning Property. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21904-21914.	8.0	228
141	Oxygen-Vacancy-Dominated Cocatalyst/Hematite Interface for Boosting Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22272-22277.	8.0	66
142	Graphene oxide based dopamine mussel-like cross-linked polyethylene imine nanocomposite coating with enhanced hexavalent uranium adsorption. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16902-16911.	10.3	156
143	A Generalized Crystallization Protocol for Scalable Deposition of High-Quality Perovskite Thin Films for Photovoltaic Applications. <i>Advanced Science</i> , 2019, 6, 1901067.	11.2	97
144	Remarkably Strengthened microinjection molded linear low-density polyethylene (LLDPE) via multi-walled carbon nanotubes derived nanohybrid shish-kebab structure. <i>Composites Part B: Engineering</i> , 2019, 167, 362-369.	12.0	48

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146	Sequential Deposition of High-Quality Photovoltaic Perovskite Layers via Scalable Printing Methods. <i>Advanced Functional Materials</i> , 2019, 29, 1900964.	14.9	69
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148	Multi-walled carbon nanotube in a miscible PEO/PMMA blend: Thermal and rheological behavior. <i>Polymer Testing</i> , 2019, 75, 367-372.	4.8	27
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154	High-performance porous PLLA-based scaffolds for bone tissue engineering: Preparation, characterization, and in vitro and in vivo evaluation. <i>Polymer</i> , 2019, 180, 121707.	3.8	81
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158	Shear-induced rheological and electrical properties of molten poly(methyl methacrylate)/carbon black nanocomposites. <i>Composites Part B: Engineering</i> , 2019, 164, 37-44.	12.0	52
159	Facile Construction of Copper Mesh Surface from Superhydrophilic to Superhydrophobic for Various Oil-Water Separations. <i>Engineered Science</i> , 2019, , .	2.3	5
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161	Self-reinforcing and toughening isotactic polypropylene via melt sequential injection molding. <i>Polymer Testing</i> , 2018, 67, 183-189.	4.8	72
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