

Yun Chen

List of Publications by Year in descending order

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325
papers

14,764
citations

14614

66
h-index

25716

108
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all docs

326
docs citations

326
times ranked

18602
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Defocus-Degree-Based Phase Unwrapping and Fusion Algorithm for High-Speed and Large-Depth-Range 3D Measurement. <i>IEEE Transactions on Industrial Electronics</i> , 2023, 70, 4278-4288.	5.2	2
2	Integration of efficient microwave absorption and shielding in a multistage composite foam with progressive conductivity modular design. <i>Materials Horizons</i> , 2022, 9, 708-719.	6.4	76
3	Metallized Skeleton of Polymer Foam Based on Metal-Organic Decomposition for High-Performance EMI Shielding. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 3302-3314.	4.0	42
4	Ambient-air in situ fabrication of high-surface-area, superhydrophilic, and microporous few-layer activated graphene films by ultrafast ultraviolet laser for enhanced energy storage. <i>Nano Energy</i> , 2022, 94, 106902.	8.2	23
5	One-Step Ultraviolet Laser-Induced Fluorine-Doped Graphene Achieving Superhydrophobic Properties and Its Application in Deicing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4647-4655.	4.0	53
6	High energy density of BaTiO ₃ @TiO ₂ nanosheet/polymer composites via ping-pong-like electron area scattering and interface engineering. <i>NPG Asia Materials</i> , 2022, 14, .	3.8	23
7	Assembly of flower-like VS ₂ /N-doped porous carbon with expanded (001) plane on rGO for superior Na-ion and K-ion storage. <i>Nano Research</i> , 2022, 15, 4108-4116.	5.8	23
8	Laser-induced graphene coated hollow-core fiber for humidity sensing. <i>Sensors and Actuators B: Chemical</i> , 2022, 359, 131530.	4.0	7
9	Tailorable, Lightweight and Superelastic Liquid Metal Monoliths for Multifunctional Electromagnetic Interference Shielding. <i>Nano-Micro Letters</i> , 2022, 14, 29.	14.4	49
10	Difluorobenzylamine Treatment of Organolead Halide Perovskite Boosts the High Efficiency and Stability of Photovoltaic Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11388-11397.	4.0	11
11	Crosstalk-Free, High-Resolution Pressure Sensor Arrays Enabled by High-Throughput Laser Manufacturing. <i>Advanced Materials</i> , 2022, 34, e2200517.	11.1	27
12	Pressure-Enhanced Vertical Orientation and Compositional Control of Ruddlesden-Popper Perovskites for Efficient and Stable Solar Cells and Self-Powered Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1526-1536.	4.0	13
13	Anisotropic Charge Transport Enabling High-Throughput and High-Aspect-Ratio Wet Etching of Silicon Carbide. <i>Small Methods</i> , 2022, 6, .	4.6	27
14	Large-scale production of boron nitride nanosheets-based epoxy nanocomposites with ultrahigh through-plane thermal conductivity for electronic encapsulation. , 2022, , .		2
15	Epoxy Resin with Metal Complex Additives for Improved Reliability of Epoxy-Copper Joint. , 2022, , .		0
16	Laser Processing of Flexible In-Plane Micro-supercapacitors: Progresses in Advanced Manufacturing of Nanostructured Electrodes. <i>ACS Nano</i> , 2022, 16, 10088-10129.	7.3	31
17	A VCM Active Actuation Method for Bonding Time Reduction in Chip Packaging Process. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 7252-7262.	5.2	8
18	Comparison of two high temperature treatment methods on preparing electrically conductive polysulfide/Ag composites for aerospace sealant applications. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50121.	1.3	3

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19	Atomic Modulation of 3D Conductive Frameworks Boost Performance of MnO ₂ for Coaxial Fiber-Shaped Supercapacitors. Nano-Micro Letters, 2021, 13, 4.	14.4	20
20	Laser-induced nitrogen-self-doped graphite nanofibers from cyanate ester for on-chip micro-supercapacitors. Chemical Engineering Journal, 2021, 404, 126375.	6.6	33
21	Fluorinated graphene/polyimide nanocomposites for advanced electronic packaging applications. Journal of Applied Polymer Science, 2021, 138, 49801.	1.3	15
22	Realizing an All-around Hydrogel Electrolyte toward Environmentally Adaptive Dendrite-free Aqueous Zn-MnO ₂ Batteries. Advanced Materials, 2021, 33, e2007559.	11.1	250
23	Intensity Modulated Gas RI Sensor Based on Inornate Antiresonant Hollow-Core Fiber With Ultrahigh Sensitivity. IEEE Access, 2021, 9, 45270-45276.	2.6	6
24	Ultrahigh-Aspect-Ratio Boron Nitride Nanosheets Leading to Superhigh In-Plane Thermal Conductivity of Foldable Heat Spreader. ACS Nano, 2021, 15, 6489-6498.	7.3	191
25	Laminar Metal Foam: A Soft and Highly Thermally Conductive Thermal Interface Material with a Reliable Joint for Semiconductor Packaging. ACS Applied Materials & Interfaces, 2021, 13, 15791-15801.	4.0	7
26	Melt Processable Novolac Cyanate Ester/Biphenyl Epoxy Copolymer Series with Ultrahigh Glass-Transition Temperature. ACS Applied Materials & Interfaces, 2021, 13, 15551-15562.	4.0	23
27	Numerical homogenization of thermal conductivity of particle-filled thermal interface material by fast Fourier transform method. Nanotechnology, 2021, 32, 265708.	1.3	13
28	Achieving a sub-10 nm nanopore array in silicon by metal-assisted chemical etching and machine learning. International Journal of Extreme Manufacturing, 2021, 3, 035104.	6.3	27
29	Facile and Scalable Fabrication of High-Performance Microsupercapacitors Based on Laser-Scribed <i>In Situ</i> Heteroatom-Doped Porous Graphene. ACS Applied Materials & Interfaces, 2021, 13, 22426-22437.	4.0	35
30	The in vivo dissolution of tricalcium silicate bone cement. Journal of Biomedical Materials Research - Part A, 2021, 109, 2527-2535.	2.1	3
31	Large-scale and low-cost production of graphene nanosheets-based epoxy nanocomposites with latent catalyst to enhance thermal conductivity for electronic encapsulation. , 2021, , .		1
32	Alternately Intercalated Heterostructures of Carbon and MoS ₂ Monolayers as Saturable Absorber for Ultrashort Femtosecond Mode-locked Lasers. Advanced Optical Materials, 2021, 9, 2100699.	3.6	5
33	Interfacial Laser-induced Graphene Enabling High-performance Liquid~Solid Triboelectric Nanogenerator. Advanced Materials, 2021, 33, e2104290.	11.1	120
34	Synergistic size and shape effect of dendritic silver nanostructures for low-temperature sintering of paste as die attach materials. Journal of Materials Science: Materials in Electronics, 2021, 32, 323-336.	1.1	8
35	The Effect of Thermal-Induced Warpage and Degeneration of Thermal Interface Materials on the Thermal Performance of a Flip-Chip Package. , 2021, , .		1
36	Sequential Analysis of Drop Impact and Thermal Cycling of Electronic Packaging Structures. , 2021, , .		0

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37	Comparison between two numerical methods for the computation of thermal conductivities of particulate composites: FEM and GeoDict. , 2021, , .		0
38	Orthogonal Experiment for Analyzing the Impact of Thermal Stress on the Reliability of an EMC Package. , 2021, , .		0
39	Fabrication of SiC Nano-pore arrays Structure by Metal-assisted Photochemical Etching. , 2021, , .		0
40	Characterization and Verification of Viscoelastic Constitutive Parameters of Underfill Material. , 2021, , .		5
41	Viscoelastic Characterization and Simulation of Thermal Interface Materials. , 2021, , .		3
42	Numerical analysis on the effect of microstructures on the thermal and mechanical properties of carbon fiber / Al ₂ O ₃ thermal pad. , 2021, , .		0
43	Electromagnetic interference shielding materials: recent progress, structure design, and future perspective. Journal of Materials Chemistry C, 2021, 10, 44-72.	2.7	101
44	A newly designed paraffin@VO ₂ phase change material with the combination of high latent heat and large thermal conductivity. Journal of Colloid and Interface Science, 2020, 559, 226-235.	5.0	45
45	A highly stretchable and conductive composite based on an emulsion-templated silver nanowire aerogel. Journal of Materials Chemistry A, 2020, 8, 1724-1730.	5.2	32
46	Achieving Significant Thermal Conductivity Enhancement via an Ice-Templated and Sintered BN-SiC Skeleton. ACS Applied Materials & Interfaces, 2020, 12, 2892-2902.	4.0	118
47	Role of Excess FAI in Formation of High-Efficiency FAPbI ₃ -Based Light-Emitting Diodes. Advanced Functional Materials, 2020, 30, 1906875.	7.8	44
48	A magnetized microneedle-array based flexible triboelectric-electromagnetic hybrid generator for human motion monitoring. Nano Energy, 2020, 69, 104415.	8.2	37
49	Thermally Self-Healable Titanium Dioxide/Polyurethane Nanocomposites with Recoverable Mechanical and Dielectric Properties. Macromolecular Research, 2020, 28, 373-381.	1.0	9
50	Ultrathin Densified Carbon Nanotube Film with "Metal-like" Conductivity, Superior Mechanical Strength, and Ultrahigh Electromagnetic Interference Shielding Effectiveness. ACS Nano, 2020, 14, 14134-14145.	7.3	162
51	Laser-oxidized Fe ₃ O ₄ nanoparticles anchored on 3D macroporous graphene flexible electrodes for ultrahigh-energy in-plane hybrid micro-supercapacitors. Nano Energy, 2020, 77, 105058.	8.2	72
52	Greatly enhanced power conversion efficiency of hole-transport-layer-free perovskite solar cell via coherent interfaces of perovskite and carbon layers. Nano Energy, 2020, 77, 105110.	8.2	31
53	Versatile Biomass Carbon Foams for Fast Oil-Water Separation, Flexible Pressure-Strain Sensors, and Electromagnetic Interference Shielding. Industrial & Engineering Chemistry Research, 2020, 59, 20740-20748.	1.8	25
54	Microfabricated SERF Atomic Magnetometers for Measurement of Weak Magnetic Field. , 2020, , .		2

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55	MAPbI ₃ Quasi-Single-Crystal Films Composed of Large-Sized Grains with Deep Boundary Fusion for Sensitive Vis-NIR Photodetectors. ACS Applied Materials & Interfaces, 2020, 12, 38314-38324.	4.0	12
56	Backside ultraviolet illumination enhanced metal-assisted chemical etching for high-aspect-ratio silicon microstructures. , 2020, , .		0
57	Defect control in epoxy dry film with improved electric performances. , 2020, , .		1
58	Ladderlike Conical Micropillars Facilitating Underwater Gas-Bubble Manipulation in an Aqueous Environment. ACS Applied Materials & Interfaces, 2020, 12, 42437-42445.	4.0	15
59	Synthesis of Boron Nitride Coated Silica Filler for Preparing Thermally Conductive Epoxy Composites. , 2020, , .		0
60	Highly Sensitive and Stretchable Strain Sensor Based on a Synergistic Hybrid Conductive Network. ACS Applied Materials & Interfaces, 2020, 12, 42420-42429.	4.0	46
61	Water-soluble boron carbon oxynitride dots with excellent solid-state fluorescence and ultralong room-temperature phosphorescence. Nano Research, 2020, 13, 3261-3267.	5.8	34
62	Enhanced dielectric constant and energy density in a BaTiO ₃ /polymer-matrix composite sponge. Communications Materials, 2020, 1, .	2.9	18
63	Rationally Designing the Trace of Wire Bonder Head for Large-Span-Ratio Wire Bonding in 3D Stacked Packaging. IEEE Access, 2020, 8, 206571-206580.	2.6	4
64	Self-healable and mechanically reinforced polyurethane/titanium dioxide dielectric nanocomposites by exchangeable disulfide links. , 2020, , .		0
65	Flexible and Highly Sensitive Pressure Sensors with Surface Discrete Microdomes Made from Self-Assembled Polymer Microspheres Array. Macromolecular Chemistry and Physics, 2020, 221, 2000073.	1.1	30
66	Flexible and electrically conductive composites based on 3D hierarchical silver dendrites. Soft Matter, 2020, 16, 6765-6772.	1.2	12
67	A novel environmentally friendly boron nitride/lignosulfonate/natural rubber composite with improved thermal conductivity. Journal of Materials Chemistry C, 2020, 8, 4801-4809.	2.7	27
68	Anti-freezing flexible aqueous Zn-MnO ₂ batteries working at ~35 °C enabled by a borax-crosslinked polyvinyl alcohol/glycerol gel electrolyte. Journal of Materials Chemistry A, 2020, 8, 6828-6841.	5.2	196
69	Simultaneous improvement of thermal conductivity and mechanical properties for mechanically mixed ABS/hBN composites by using small amounts of hyperbranched polymer additives. Journal of Applied Polymer Science, 2020, 137, 49186.	1.3	12
70	Hydrothermal synthesis of BaTiO ₃ nanowires for high energy density nanocomposite capacitors. Journal of Materials Science, 2020, 55, 6903-6914.	1.7	19
71	Laser-induced and KOH-activated 3D graphene: A flexible activated electrode fabricated via direct laser writing for in-plane micro-supercapacitors. Chemical Engineering Journal, 2020, 393, 124672.	6.6	93
72	Ice-Templated MXene/Ag-Epoxy Nanocomposites as High-Performance Thermal Management Materials. ACS Applied Materials & Interfaces, 2020, 12, 24298-24307.	4.0	117

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73	A triboelectric nanogenerator design for harvesting environmental mechanical energy from water mist. <i>Nano Energy</i> , 2020, 73, 104765.	8.2	31
74	An environmentally adaptive quasi-solid-state zinc-ion battery based on magnesium vanadate hydrate with commercial-level mass loading and anti-freezing gel electrolyte. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8397-8409.	5.2	98
75	Laser Direct Structuring of Bioinspired Spine with Backward Microbarbs and Hierarchical Microchannels for Ultrafast Water Transport and Efficient Fog Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21080-21087.	4.0	77
76	Facile and Efficient Welding of Silver Nanowires Based on UVA-Induced Nanoscale Photothermal Process for Roll-to-Roll Manufacturing of High-Performance Transparent Conducting Films. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801635.	1.9	30
77	A Highly Sensitive and Cost-Effective Flexible Pressure Sensor with Micropillar Arrays Fabricated by Novel Metal-Assisted Chemical Etching for Wearable Electronics. <i>Advanced Materials Technologies</i> , 2019, 4, 1900367.	3.0	34
78	Cationic Polyelectrolyte Bridged Boron Nitride Microplatelet Based Poly(vinyl alcohol) Composite: A Novel Method toward High Thermal Conductivity. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900787.	1.9	24
79	Vertically Aligned WS ₂ Layers for High-Performing Memristors and Artificial Synapses. <i>Advanced Electronic Materials</i> , 2019, 5, 1900467.	2.6	68
80	Enhancement in Performance of Transparent p-niO/n-ZnO Heterojunction Ultrafast Self-Powered Photodetector via Pyro-Phototronic Effect. <i>Advanced Electronic Materials</i> , 2019, 5, 1900438.	2.6	73
81	Epoxy/Triazine Copolymer Resin System for High Temperature Encapsulant Applications. , 2019, , .		4
82	Simultaneously Enhanced Permittivity and Electric Breakdown Strength of Polyacrylonitrile Composites by Introducing Ultralow Content BaSrTiO ₃ Nanofibers. <i>Advanced Engineering Materials</i> , 2019, 21, 1900817.	1.6	20
83	Low-Dielectric Constant and Low-Temperature Curable Polyimide/POSS Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900505.	1.7	45
84	Silver Nanoparticle-Enzyme Composite Films for Hydrogen Peroxide Detection. <i>ACS Applied Nano Materials</i> , 2019, 2, 5910-5921.	2.4	29
85	Bioadhesive hydrocaffeic acid modified chitosan colloidal particles using as particulate emulsifiers. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 1559-1566.	1.3	6
86	Halides-Assisted Low-Temperature Synthesis of Hexagonal Boron Nitride Nanosheets. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900278.	1.2	2
87	Pd Nanoparticle-Interspersed Hierarchical Copper Hydroxide@Nickel Cobalt Hydroxide Carbonate Tubular Arrays as Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16459-16466.	3.2	21
88	In-Situ Redox Nanowelding of Copper Nanowires with Surficial Oxide Layer as Solder for Flexible Transparent Electromagnetic Interference Shielding. , 2019, , .		2
89	Room-Temperature Welding of Silver Telluride Nanowires for High-Performance Thermoelectric Film. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37892-37900.	4.0	35
90	Formation of cerium oxide hollow spheres and investigation of hollowing mechanism. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	5

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91	Composite Glass-Silicon Substrates Embedded With Microcomponents for MEMS System Integration. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 201-208.	1.4	9
92	Hybrid Anodic and Metal-Assisted Chemical Etching Method Enabling Fabrication of Silicon Carbide Nanowires. Small, 2019, 15, e1803898.	5.2	31
93	Alumina-Coated Cu@Reduced Graphene Oxide Microspheres as Enhanced Antioxidative and Electrically Insulating Fillers for Thermal Interface Materials with High Thermal Conductivity. ACS Applied Electronic Materials, 2019, 1, 1330-1335.	2.0	17
94	Porous-hollow nanorods constructed from alternate intercalation of carbon and MoS2 monolayers for lithium and sodium storage. Nano Research, 2019, 12, 1912-1920.	5.8	39
95	Self-Healable Polyelectrolytes with Mechanical Enhancement for Flexible and Durable Supercapacitors. Chemistry - A European Journal, 2019, 25, 11715-11724.	1.7	23
96	A Facile, Low-Cost Plasma Etching Method for Achieving Size Controlled Non-Close-Packed Monolayer Arrays of Polystyrene Nano-Spheres. Nanomaterials, 2019, 9, 605.	1.9	22
97	Enhanced electrocaloric effect for refrigeration in lead-free polymer composite films with an optimal filler loading. Applied Physics Letters, 2019, 114, .	1.5	20
98	Highly Compressive Boron Nitride Nanotube Aerogels Reinforced with Reduced Graphene Oxide. ACS Nano, 2019, 13, 7402-7409.	7.3	115
99	UV Laser-Induced Polyimide-to-Graphene Conversion: Modeling, Fabrication, and Application. Small Methods, 2019, 3, 1900208.	4.6	76
100	Highly Ordered 3D Porous Graphene Sponge for Wearable Piezoresistive Pressure Sensor Applications. Chemistry - A European Journal, 2019, 25, 6378-6384.	1.7	39
101	Metal-Organic Framework-Derived Co ₂ Fe ₁ P Nanoparticles Encapsulated in N-Doped Carbon as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. ACS Applied Energy Materials, 2019, 2, 2734-2742.	2.5	50
102	Triangular Model Registration Algorithm Through Differential Topological Singularity Points by Helmholtz-Hodge Decomposition. IEEE Access, 2019, 7, 34776-34790.	2.6	2
103	Facile one-step fabrication of glucose oxidase loaded polymeric nanoparticles decorating MWCNTs for constructing glucose biosensing platform: Structure matters. Biosensors and Bioelectronics, 2019, 135, 153-159.	5.3	37
104	Dynamic Modeling, Simulation, and Experimental Verification of a Wafer Handling SCARA Robot With Decoupling Servo Control. IEEE Access, 2019, 7, 47143-47153.	2.6	14
105	Octahedral Cu ₂ O@Co(OH) ₂ Nanocages with Hierarchical Flake-Like Walls and Yolk-Shell Structures for Enhanced Electrocatalytic Activity. ChemCatChem, 2019, 11, 2520-2525.	1.8	15
106	Enhanced micro-supercapacitors in aqueous electrolyte based on Si nanowires coated with TiO ₂ . Journal of Materials Science: Materials in Electronics, 2019, 30, 8763-8770.	1.1	5
107	A Paper-Like Inorganic Thermal Interface Material Composed of Hierarchically Structured Graphene/Silicon Carbide Nanorods. ACS Nano, 2019, 13, 1547-1554.	7.3	131
108	Development of low temperature curing polyimides with quinoline. , 2019, , .		3

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109	Oriented electrospun carbon nanofibers for improved through-plane thermal conductivity. , 2019, , .		0
110	Intrinsic low dielectric constant and low dielectric loss polyimides: the effect of molecular structure. , 2019, , .		2
111	Lightweight carbon-based foams made from bacterial cellulose for electromagnetic interference (EMI) shielding. , 2019, , .		1
112	The paraffin wax microcapsule PCM with VO ₂ shell for the thermal management. , 2019, , .		0
113	High-performance flexible and self-healable quasi-solid-state zinc-ion hybrid supercapacitor based on borax-crosslinked polyvinyl alcohol/nanocellulose hydrogel electrolyte. Journal of Materials Chemistry A, 2019, 7, 26524-26532.	5.2	183
114	Massively Engineering the Wettability of Titanium by Tuning Nanostructures and Roughness via Laser Ablation. Journal of Physical Chemistry C, 2019, 123, 30382-30388.	1.5	9
115	Rod-like anhydrous V ₂ O ₅ assembled by tiny nanosheets as a high-performance cathode material for aqueous zinc-ion batteries. RSC Advances, 2019, 9, 30556-30564.	1.7	46
116	Highly sensitive strain sensors based on hollow packaged silver nanoparticle-decorated three-dimensional graphene foams for wearable electronics. RSC Advances, 2019, 9, 39958-39964.	1.7	6
117	Uniform Metal-Assisted Chemical Etching for Ultra-High-Aspect-Ratio Microstructures on Silicon. Journal of Microelectromechanical Systems, 2019, 28, 143-153.	1.7	18
118	Silver Telluride Nanowire Assembly for High-Performance Flexible Thermoelectric Film and Its Application in Self-Powered Temperature Sensor. Advanced Electronic Materials, 2019, 5, 1800612.	2.6	58
119	Hierarchical NiCo hydroxide nanosheets deposited on 3D porous Ni arrays for cost-effective high-performance supercapacitors. Journal of Materials Science: Materials in Electronics, 2019, 30, 2552-2562.	1.1	13
120	Tailoring Highly Thermal Conductive Properties of Te/MoS ₂ /Ag Heterostructure Nanocomposites Using a Bottom-Up Approach. Advanced Electronic Materials, 2019, 5, 1800548.	2.6	25
121	Significantly Enhanced Electrostatic Energy Storage Performance of Flexible Polymer Composites by Introducing Highly Insulating Ferroelectric Microhybrids as Fillers. Advanced Energy Materials, 2019, 9, 1803204.	10.2	250
122	Nanostructured Silicon-Based Heterojunction Solar Cells with Double Hole-Transporting Layers. Advanced Electronic Materials, 2019, 5, 1800070.	2.6	12
123	All-Solid-State Fiber-Shaped Asymmetric Supercapacitors with Ultrahigh Energy Density Based on Porous Vanadium Nitride Nanowires and Ultrathin Ni(OH) ₂ Nanosheet Wrapped NiCo ₂ O ₄ Nanowires Arrays Electrode. Journal of Physical Chemistry C, 2019, 123, 985-993.	1.5	31
124	Integrated Sensing-/Model-Based Online Estimation of Jet Dispensing. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 300-309.	1.4	7
125	High-aspect-ratio microstructures with versatile slanting angles on silicon by uniform metal-assisted chemical etching. Journal of Micromechanics and Microengineering, 2018, 28, 055006.	1.5	5
126	Solvent-Assisted Thermal-Pressure Strategy for Constructing High-Quality CH ₃ NH ₃ PbI ₃ Cl Films as High-Performance Perovskite Photodetectors. ACS Applied Materials & Interfaces, 2018, 10, 8393-8398.	4.0	16

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127	Heat-triggered poly(siloxane-urethane)s based on disulfide bonds for self-healing application. Journal of Applied Polymer Science, 2018, 135, 46532.	1.3	77
128	Controlled synthesis and evaluation of cyanate ester/epoxy copolymer system for high temperature molding compounds. Journal of Polymer Science Part A, 2018, 56, 1337-1345.	2.5	19
129	PdCu Alloy Flower-like Nanocages with High Electrocatalytic Performance for Methanol Oxidation. Journal of Physical Chemistry C, 2018, 122, 8976-8983.	1.5	79
130	Three-Dimensional Graphene Structure for Healable Flexible Electronics Based on Diels-Alder Chemistry. ACS Applied Materials & Interfaces, 2018, 10, 9727-9735.	4.0	44
131	Amorphous NiFe Nanotube Arrays Bifunctional Electrocatalysts for Efficient Electrochemical Overall Water Splitting. ACS Applied Energy Materials, 2018, 1, 1210-1217.	2.5	84
132	Iron-Doped Nickel Phosphide Nanosheets In-Situ Grown on Nickel Submicrowires as Efficient Electrocatalysts for Oxygen Evolution Reaction. ChemCatChem, 2018, 10, 2248-2253.	1.8	24
133	Sn-Doped Rutile TiO ₂ Hollow Nanocrystals with Enhanced Lithium-Ion Batteries Performance. ACS Omega, 2018, 3, 1329-1337.	1.6	28
134	Influence of Buffer-Gas Pressure Inside Micro Alkali Vapor Cells on the Performance of Chip-Scale SERF Magnetometers. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 621-625.	1.4	7
135	High-Quality CH ₃ NH ₃ Pb ₃ Films Obtained via a Pressure-Assisted Space-Confined Solvent-Engineering Strategy for Ultrasensitive Photodetectors. Nano Letters, 2018, 18, 1213-1220.	4.5	35
136	High performance, environmentally benign and integratable Zn/MnO ₂ microbatteries. Journal of Materials Chemistry A, 2018, 6, 3933-3940.	5.2	53
137	Rational Design of Nickel Hydroxide-Based Nanocrystals on Graphene for Ultrafast Energy Storage. Advanced Energy Materials, 2018, 8, 1702247.	10.2	211
138	Design and fabrication of inverted tapered micro-pillars for spontaneously transporting liquid upward. Microfluidics and Nanofluidics, 2018, 22, 1.	1.0	7
139	NiCo ₂ O ₄ nanoframes with a nanosheet surface as efficient electrocatalysts for the oxygen evolution reaction. Materials Chemistry Frontiers, 2018, 2, 1155-1164.	3.2	54
140	Sn-Nanorod-Supported Ag Nanoparticles as Efficient Catalysts for Electroless Deposition of Cu Conductive Tracks. ACS Applied Nano Materials, 2018, 1, 1531-1540.	2.4	17
141	Hollow PdCo alloy nanospheres with mesoporous shells as high-performance catalysts for methanol oxidation. Journal of Colloid and Interface Science, 2018, 522, 264-271.	5.0	61
142	Facile synthesis of hierarchical porous manganese nickel cobalt sulfide nanotube arrays with enhanced electrochemical performance for ultrahigh energy density fiber-shaped asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 8030-8038.	5.2	62
143	Tuning dielectric properties and energy density of poly(vinylidene fluoride) nanocomposites by quasi-core-shell structured BaTiO ₃ @graphene oxide hybrids. Journal of Materials Science: Materials in Electronics, 2018, 29, 1082-1092.	1.1	22
144	A low-cost, printable, and stretchable strain sensor based on highly conductive elastic composites with tunable sensitivity for human motion monitoring. Nano Research, 2018, 11, 1938-1955.	5.8	99

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145	Facile synthesis of low temperature sintering Ag nanoparticles for printed flexible electronics. Journal of Materials Science: Materials in Electronics, 2018, 29, 4432-4440.	1.1	28
146	Smith-ADRC Based Z Axis Impact Force Control for High Speed Wire Bonding Machine. , 2018, , .		3
147	Dielectric and energy storage behavior of PVDF composite film filled with graphene quantum dots decorated BaTiO ₃ . , 2018, , .		0
148	Improved Thermal Conductive Property of Pine Needle Derived Carbon for Thermal Management Applications. , 2018, , .		1
149	Silicon Nanowires Passivated by TiO ₂ Layer for Supercapacitors in Aqueous Electrolyte. , 2018, , .		0
150	Facile Preparation of Silver Nanoparticles Decorated Boron Nitride Nanotube Hybrids. , 2018, , .		1
151	A novel organic coating assisted laser drilling method for TSV fabrication. , 2018, , .		0
152	Metal-Organic Frameworks Derived PdCu/C As an Efficient Catalyst for Electroless Copper Deposition. , 2018, , .		0
153	Synthesis and characterization of 3D CoMoO ₄ /rGO aerogel for supercapacitor electrodes. , 2018, , .		1
154	A highly sensitive and flexible capacitive pressure sensor based on a micro-arrayed polydimethylsiloxane dielectric layer. Journal of Materials Chemistry C, 2018, 6, 13232-13240.	2.7	160
155	A novel graphene oxide millispheres / epoxy resin composite with improved thermal conductivity. , 2018, , .		0
156	Effect of ZnS size on the dielectric and energy storage properties of ZnS/polymer composites. , 2018, , .		0
157	Polyimide incorporated cyanate ester/epoxy copolymers for high temperature molding compounds. Journal of Polymer Science Part A, 2018, 56, 2412-2421.	2.5	11
158	Fabricating 3D BT-BN/epoxy Composites with High Dielectric Performance. , 2018, , .		1
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