

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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326
all docs

326
docs citations

326
times ranked

18602
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile Synthesis of Nitrogen-Doped Graphene via Pyrolysis of Graphene Oxide and Urea, and its Electrocatalytic Activity toward the Oxygen-Reduction Reaction. <i>Advanced Energy Materials</i> , 2012, 2, 884-888.	10.2	840
2	Recent Advancements in Flexible and Stretchable Electrodes for Electromechanical Sensors: Strategies, Materials, and Features. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12147-12164.	4.0	359
3	Large-scale production of two-dimensional nanosheets. <i>Journal of Materials Chemistry</i> , 2012, 22, 13494.	6.7	351
4	Vertically Aligned and Interconnected Graphene Networks for High Thermal Conductivity of Epoxy Composites with Ultralow Loading. <i>Chemistry of Materials</i> , 2016, 28, 6096-6104.	3.2	325
5	Anticorrosive, Ultralight, and Flexible Carbon-Wrapped Metallic Nanowire Hybrid Sponges for Highly Efficient Electromagnetic Interference Shielding. <i>Small</i> , 2018, 14, e1800534.	5.2	310
6	High-Concentration Aqueous Dispersions of MoS ₂ . <i>Advanced Functional Materials</i> , 2013, 23, 3577-3583.	7.8	271
7	A reduced graphene oxide/mixed-valence manganese oxide composite electrode for tailorable and surface mountable supercapacitors with high capacitance and super-long life. <i>Energy and Environmental Science</i> , 2017, 10, 941-949.	15.6	253
8	Significantly Enhanced Electrostatic Energy Storage Performance of Flexible Polymer Composites by Introducing Highly Insulating Ferroelectric Microhybrids as Fillers. <i>Advanced Energy Materials</i> , 2019, 9, 1803204.	10.2	250
9	Realizing an All-Round Hydrogel Electrolyte toward Environmentally Adaptive Dendrite-Free Aqueous Zn-MnO ₂ Batteries. <i>Advanced Materials</i> , 2021, 33, e2007559.	11.1	250
10	Highly Sensitive Flexible Pressure Sensor Based on Silver Nanowires-Embedded Polydimethylsiloxane Electrode with Microarray Structure. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26314-26324.	4.0	234
11	Interstitial Occupancy by Extrinsic Alkali Cations in Perovskites and Its Impact on Ion Migration. <i>Advanced Materials</i> , 2018, 30, e1707350.	11.1	233
12	Flexible Asymmetrical Solid-State Supercapacitors Based on Laboratory Filter Paper. <i>ACS Nano</i> , 2016, 10, 1273-1282.	7.3	215
13	Controlled synthesis of three-phase Ni _x S _y /rGO nanoflake electrodes for hybrid supercapacitors with high energy and power density. <i>Nano Energy</i> , 2017, 33, 522-531.	8.2	211
14	Rational Design of Nickel Hydroxide-Based Nanocrystals on Graphene for Ultrafast Energy Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1702247.	10.2	211
15	Anti-freezing flexible aqueous Zn-MnO ₂ batteries working at ~35 °C enabled by a borax-crosslinked polyvinyl alcohol/glycerol gel electrolyte. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6828-6841.	5.2	196
16	Ultrahigh-Aspect-Ratio Boron Nitride Nanosheets Leading to Superhigh In-Plane Thermal Conductivity of Foldable Heat Spreader. <i>ACS Nano</i> , 2021, 15, 6489-6498.	7.3	191
17	An ultrafast, high capacity and superior longevity Ni/Zn battery constructed on nickel nanowire array film. <i>Nano Energy</i> , 2016, 30, 900-908.	8.2	188
18	Benzylamine-Treated Wide-Bandgap Perovskite with High Thermal Photostability and Photovoltaic Performance. <i>Advanced Energy Materials</i> , 2017, 7, 1701048.	10.2	188

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19	High-performance flexible and self-healable quasi-solid-state zinc-ion hybrid supercapacitor based on borax-crosslinked polyvinyl alcohol/nanocellulose hydrogel electrolyte. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26524-26532.	5.2	183
20	Highly Stretchable and Sensitive Strain Sensor Based on Facilely Prepared Three-Dimensional Graphene Foam Composite. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18954-18961.	4.0	176
21	An Ultralong, Highly Oriented Nickel Nanowire Array Electrode Scaffold for High-Performance Compressible Pseudocapacitors. <i>Advanced Materials</i> , 2016, 28, 4105-4110.	11.1	171
22	Ultrathin Densified Carbon Nanotube Film with Metal-like Conductivity, Superior Mechanical Strength, and Ultrahigh Electromagnetic Interference Shielding Effectiveness. <i>ACS Nano</i> , 2020, 14, 14134-14145.	7.3	162
23	A highly sensitive and flexible capacitive pressure sensor based on a micro-arrayed polydimethylsiloxane dielectric layer. <i>Journal of Materials Chemistry C</i> , 2018, 6, 13232-13240.	2.7	160
24	A review of gassing behavior in $\text{Li}_{4}\text{Ti}_{5}\text{O}_{12}$ -based lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6368-6381.	5.2	157
25	Water-dispersible graphene/polyaniline composites for flexible micro-supercapacitors with high energy densities. <i>Nano Energy</i> , 2015, 16, 470-478.	8.2	151
26	NaCl-templated synthesis of hierarchical porous carbon with extremely large specific surface area and improved graphitization degree for high energy density lithium ion capacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17057-17066.	5.2	149
27	A Paper-Like Inorganic Thermal Interface Material Composed of Hierarchically Structured Graphene/Silicon Carbide Nanorods. <i>ACS Nano</i> , 2019, 13, 1547-1554.	7.3	131
28	Hybridization of graphene nanosheets and carbon-coated hollow $\text{Fe}_{3}\text{O}_{4}$ nanoparticles as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2453-2460.	5.2	128
29	Shape-Tailorable Graphene-Based Ultra-High-Rate Supercapacitor for Wearable Electronics. <i>ACS Nano</i> , 2015, 9, 5636-5645.	7.3	127
30	Composition-Tuned Wide Bandgap Perovskites: From Grain Engineering to Stability and Performance Improvement. <i>Advanced Functional Materials</i> , 2018, 28, 1803130.	7.8	121
31	Interfacial Laser-Induced Graphene Enabling High-Performance Liquid-Solid Triboelectric Nanogenerator. <i>Advanced Materials</i> , 2021, 33, e2104290.	11.1	120
32	Achieving Significant Thermal Conductivity Enhancement via an Ice-Templated and Sintered BN-SiC Skeleton. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2892-2902.	4.0	118
33	Ice-Templated MXene/Ag Epoxy Nanocomposites as High-Performance Thermal Management Materials. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24298-24307.	4.0	117
34	Highly Compressive Boron Nitride Nanotube Aerogels Reinforced with Reduced Graphene Oxide. <i>ACS Nano</i> , 2019, 13, 7402-7409.	7.3	115
35	Low-temperature solution-processed NiO_x films for air-stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11071-11077.	5.2	113
36	Hierarchical architectures of monodisperse porous Cu microspheres: synthesis, growth mechanism, high-efficiency and recyclable catalytic performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11966.	5.2	112

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37	Triethanolamine functionalized graphene-based composites for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21789-21796.	5.2	112
38	Electromagnetic interference shielding materials: recent progress, structure design, and future perspective. <i>Journal of Materials Chemistry C</i> , 2021, 10, 44-72.	2.7	101
39	Facile and scalable fabrication of three-dimensional Cu(OH) ₂ nanoporous nanorods for solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17385-17391.	5.2	100
40	A low-cost, printable, and stretchable strain sensor based on highly conductive elastic composites with tunable sensitivity for human motion monitoring. <i>Nano Research</i> , 2018, 11, 1938-1955.	5.8	99
41	Molecular Level Study of Graphene Networks Functionalized with Phenylenediamine Monomers for Supercapacitor Electrodes. <i>Chemistry of Materials</i> , 2016, 28, 9110-9121.	3.2	98
42	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
43	Binary Synergistic Sensitivity Strengthening of Bioinspired Hierarchical Architectures based on Fragmentized Reduced Graphene Oxide Sponge and Silver Nanoparticles for Strain Sensors and Beyond. <i>Small</i> , 2017, 13, 1700944.	5.2	97
44	Solid-state spun fibers and yarns from 1-mm long carbon nanotube forests synthesized by water-assisted chemical vapor deposition. <i>Journal of Materials Science</i> , 2008, 43, 4356-4362.	1.7	96
45	Growth of Large-Size SnS Thin Crystals Driven by Oriented Attachment and Applications to Gas Sensors and Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9545-9551.	4.0	94
46	A thermal interface material based on foam-templated three-dimensional hierarchical porous boron nitride. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17540-17547.	5.2	94
47	Laser-induced and KOH-activated 3D graphene: A flexible activated electrode fabricated via direct laser writing for in-plane micro-supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 393, 124672.	6.6	93
48	Flexible dielectric papers based on biodegradable cellulose nanofibers and carbon nanotubes for dielectric energy storage. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6037-6044.	2.7	88
49	Amorphous NiFe Nanotube Arrays Bifunctional Electrocatalysts for Efficient Electrochemical Overall Water Splitting. <i>ACS Applied Energy Materials</i> , 2018, 1, 1210-1217.	2.5	84
50	Advancements in Copper Nanowires: Synthesis, Purification, Assemblies, Surface Modification, and Applications. <i>Small</i> , 2018, 14, e1800047.	5.2	83
51	An all-solid-state, lightweight, and flexible asymmetric supercapacitor based on cabbage-like ZnCo ₂ O ₄ and porous VN nanowires electrode materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6928-6936.	5.2	81
52	PdCu Alloy Flower-like Nanocages with High Electrocatalytic Performance for Methanol Oxidation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8976-8983.	1.5	79
53	Wood Derived Composites for High Sensitivity and Wide Linear Range Pressure Sensing. <i>Small</i> , 2018, 14, e1801520.	5.2	79
54	The use of polyimide-modified aluminum nitride fillers in AlN@PI/Epoxy composites with enhanced thermal conductivity for electronic encapsulation. <i>Scientific Reports</i> , 2014, 4, 4779.	1.6	78

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55	Heat-triggered poly(siloxane-urethane)s based on disulfide bonds for self-healing application. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46532.	1.3	77
56	Hierarchical nickel nanowire@NiCo ₂ S ₄ nanowhisker composite arrays with a test-tube-brush-like structure for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15284-15293.	5.2	77
57	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
58	UV Laser-Induced Polyimide-to-Graphene Conversion: Modeling, Fabrication, and Application. <i>Small Methods</i> , 2019, 3, 1900208.	4.6	76
59	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
60	Fractal dendrite-based electrically conductive composites for laser-scribed flexible circuits. <i>Nature Communications</i> , 2015, 6, 8150.	5.8	73
61	Bioleaching combined brine leaching of heavy metals from lead-zinc mine tailings: Transformations during the leaching process. <i>Chemosphere</i> , 2017, 168, 1115-1125.	4.2	73
62	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
63	A covalently cross-linked reduced functionalized graphene oxide/polyurethane composite based on Diels-Alder chemistry and its potential application in healable flexible electronics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 220-228.	2.7	72
64	Laser-oxidized Fe ₃ O ₄ nanoparticles anchored on 3D macroporous graphene flexible electrodes for ultrahigh-energy in-plane hybrid micro-supercapacitors. <i>Nano Energy</i> , 2020, 77, 105058.	8.2	72
65	Solid-state, flexible, high strength paper-based supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5835.	5.2	71
66	Deep Learning-Based Model Reduction for Distributed Parameter Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 1664-1674.	5.9	71
67	Vertically Aligned WS ₂ Layers for High-Performing Memristors and Artificial Synapses. <i>Advanced Electronic Materials</i> , 2019, 5, 1900467.	2.6	68
68	Low cost and highly conductive elastic composites for flexible and printable electronics. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5839-5848.	2.7	64
69	Fibrous Epoxy Substrate with High Thermal Conductivity and Low Dielectric Property for Flexible Electronics. <i>Advanced Electronic Materials</i> , 2016, 2, 1500485.	2.6	63
70	Facile synthesis of hierarchical porous manganese nickel cobalt sulfide nanotube arrays with enhanced electrochemical performance for ultrahigh energy density fiber-shaped asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8030-8038.	5.2	62
71	Molecular engineering of aromatic amine spacers for high-performance graphene-based supercapacitors. <i>Nano Energy</i> , 2016, 21, 276-294.	8.2	61
72	Hollow PdCo alloy nanospheres with mesoporous shells as high-performance catalysts for methanol oxidation. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 264-271.	5.0	61

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73	Percolation threshold-inspired design of hierarchical multiscale hybrid architectures based on carbon nanotubes and silver nanoparticles for stretchable and printable electronics. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6666-6674.	2.7	58
74	Silver Telluride Nanowire Assembly for High-Performance Flexible Thermoelectric Film and Its Application in Self-Powered Temperature Sensor. <i>Advanced Electronic Materials</i> , 2019, 5, 1800612.	2.6	58
75	Tuneable cellular-structured 3D graphene aerogel and its effect on electromagnetic interference shielding performance and mechanical properties of epoxy composites. <i>RSC Advances</i> , 2016, 6, 56589-56598.	1.7	56
76	Porous Pbl ₂ films for the fabrication of efficient, stable perovskite solar cells via sequential deposition. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10223-10230.	5.2	56
77	Electrospun N-Doped Hierarchical Porous Carbon Nanofiber with Improved Degree of Graphitization for High-Performance Lithium Ion Capacitor. <i>Chemistry - A European Journal</i> , 2018, 24, 10460-10467.	1.7	55
78	A facile method to prepare highly compressible three-dimensional graphene-only sponge. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15482-15488.	5.2	54
79	NiCo ₂ O ₄ nanoframes with a nanosheet surface as efficient electrocatalysts for the oxygen evolution reaction. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1155-1164.	3.2	54
80	Alternating current line-filter based on electrochemical capacitor utilizing template-patterned graphene. <i>Scientific Reports</i> , 2015, 5, 10983.	1.6	53
81	High performance, environmentally benign and integratable Zn//MnO ₂ microbatteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3933-3940.	5.2	53
82	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
83	Deep Etching of Single- and Polycrystalline Silicon with High Speed, High Aspect Ratio, High Uniformity, and 3D Complexity by Electric Bias-Attenuated Metal-Assisted Chemical Etching (EMaCE). <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16782-16791.	4.0	51
84	Controlling Kink Geometry in Nanowires Fabricated by Alternating Metal-Assisted Chemical Etching. <i>Nano Letters</i> , 2017, 17, 1014-1019.	4.5	50
85	Metal-Organic Framework-Derived Co _x Fe _{1-x} P Nanoparticles Encapsulated in N-Doped Carbon as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Applied Energy Materials</i> , 2019, 2, 2734-2742.	2.5	50
86	An Omni-Healable and Highly Sensitive Capacitive Pressure Sensor with Microarray Structure. <i>Chemistry - A European Journal</i> , 2018, 24, 16823-16832.	1.7	49
87	Tailorable, Lightweight and Superelastic Liquid Metal Monoliths for Multifunctional Electromagnetic Interference Shielding. <i>Nano-Micro Letters</i> , 2022, 14, 29.	14.4	49
88	Fabricating and Controlling Silicon Zigzag Nanowires by Diffusion-Controlled Metal-Assisted Chemical Etching Method. <i>Nano Letters</i> , 2017, 17, 4304-4310.	4.5	48
89	Enhanced breakdown strength of polymer composites by low filler loading and its mechanisms. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	47
90	Rod-like anhydrous V ₂ O ₅ assembled by tiny nanosheets as a high-performance cathode material for aqueous zinc-ion batteries. <i>RSC Advances</i> , 2019, 9, 30556-30564.	1.7	46

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91	Highly Sensitive and Stretchable Strain Sensor Based on a Synergistic Hybrid Conductive Network. ACS Applied Materials & Interfaces, 2020, 12, 42420-42429.	4.0	46
92	Low Dielectric Constant and Low Temperature Curable Polyimide/POSS Nanocomposites. Macromolecular Materials and Engineering, 2019, 304, 1900505.	1.7	45
93	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
94	Three-Dimensional Graphene Structure for Healable Flexible Electronics Based on Diels-Alder Chemistry. ACS Applied Materials & Interfaces, 2018, 10, 9727-9735.	4.0	44
95	Role of Excess FAI in Formation of High Efficiency FAPbI ₃ -Based Light-Emitting Diodes. Advanced Functional Materials, 2020, 30, 1906875.	7.8	44
96	Boron nitride microsphere/epoxy composites with enhanced thermal conductivity. High Voltage, 2017, 2, 147-153.	2.7	43
97	Ultrafast Molecular Stitching of Graphene Films at the Ethanol/Water Interface for High Volumetric Capacitance. Nano Letters, 2017, 17, 1365-1370.	4.5	42
98	Fabrication of highly reinforced and compressible graphene/carbon nanotube hybrid foams via a facile self-assembly process for application as strain sensors and beyond. Journal of Materials Chemistry C, 2017, 5, 2723-2730.	2.7	42
99	Metallized Skeleton of Polymer Foam Based on Metal-Organic Decomposition for High-Performance EMI Shielding. ACS Applied Materials & Interfaces, 2022, 14, 3302-3314.	4.0	42
100	Surface-Induced Polymer Crystallization in High Volume Fraction Aligned Carbon Nanotube-Polymer Composites. Macromolecular Chemistry and Physics, 2010, 211, 1003-1011.	1.1	41
101	Precisely quantified catalyst based on in situ growth of Cu ₂ O nanoparticles on a graphene 3D network for highly sensitive glucose sensor. Sensors and Actuators B: Chemical, 2017, 250, 333-341.	4.0	39
102	Porous-hollow nanorods constructed from alternate intercalation of carbon and MoS ₂ monolayers for lithium and sodium storage. Nano Research, 2019, 12, 1912-1920.	5.8	39
103	Highly Ordered 3D Porous Graphene Sponge for Wearable Piezoresistive Pressure Sensor Applications. Chemistry - A European Journal, 2019, 25, 6378-6384.	1.7	39
104	Comparative study of LiMnPO ₄ cathode materials synthesized by solvothermal methods using different manganese salts. CrystEngComm, 2014, 16, 766-774.	1.3	37
105	Preparation of large micron-sized monodisperse polystyrene/silver core-shell microspheres with compact shell structure and their electrical conductive and catalytic properties. RSC Advances, 2015, 5, 58-67.	1.7	37
106	Thin Film Electrochemical Capacitors Based on Organolead Triiodide Perovskite. Advanced Electronic Materials, 2016, 2, 1600114.	2.6	37
107	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
108	A magnetized microneedle-array based flexible triboelectric-electromagnetic hybrid generator for human motion monitoring. Nano Energy, 2020, 69, 104415.	8.2	37

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109	Mechanical strengthened alginate/polyacrylamide hydrogel crosslinked by barium and ferric dual ions. <i>Journal of Materials Science</i> , 2017, 52, 8538-8545.	1.7	36
110	High-Quality CH ₃ NH ₃ PbI ₃ Films Obtained via a Pressure-Assisted Space-Confined Solvent-Engineering Strategy for Ultrasensitive Photodetectors. <i>Nano Letters</i> , 2018, 18, 1213-1220.	4.5	35
111	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
112	Facile and Scalable Fabrication of High-Performance Microsupercapacitors Based on Laser-Scribed <i>In Situ</i> Heteroatom-Doped Porous Graphene. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22426-22437.	4.0	35
113	A novel strain sensor based on 3D printing technology and 3D antenna design. , 2015, , .		34
114	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
115	Water-soluble boron carbon oxynitride dots with excellent solid-state fluorescence and ultralong room-temperature phosphorescence. <i>Nano Research</i> , 2020, 13, 3261-3267.	5.8	34
116	Structure light telecentric stereoscopic vision 3D measurement system based on Scheimpflug condition. <i>Optics and Lasers in Engineering</i> , 2016, 86, 83-91.	2.0	33
117	Synthesis of Few-Atomic-Layer BN Hollow Nanospheres and Their Applications as Nanocontainers and Catalyst Support Materials. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1578-1582.	4.0	33
118	Laser-induced nitrogen-self-doped graphite nanofibers from cyanate ester for on-chip micro-supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 404, 126375.	6.6	33
119	Formation of Through Silicon Vias for Silicon Interposer in Wafer Level by Metal-Assisted Chemical Etching. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2015, 5, 1039-1049.	1.4	32
120	A highly stretchable and conductive composite based on an emulsion-templated silver nanowire aerogel. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1724-1730.	5.2	32
121	Pressure-Induced Oriented Attachment Growth of Large-Size Crystals for Constructing 3D Ordered Superstructures. <i>ACS Nano</i> , 2016, 10, 405-412.	7.3	31
122	Flexible BaTiO ₃ /Ag/PVDF nanocomposite films with high dielectric constant and energy density. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017, 24, 757-763.	1.8	31
123	Hybrid Anodic and Metal-Assisted Chemical Etching Method Enabling Fabrication of Silicon Carbide Nanowires. <i>Small</i> , 2019, 15, e1803898.	5.2	31
124	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. <i>Journal of Physical Chemistry C</i> , 2019, 123, 985-993.	1.5	31
125	Greatly enhanced power conversion efficiency of hole-transport-layer-free perovskite solar cell via coherent interfaces of perovskite and carbon layers. <i>Nano Energy</i> , 2020, 77, 105110.	8.2	31
126	A triboelectric nanogenerator design for harvesting environmental mechanical energy from water mist. <i>Nano Energy</i> , 2020, 73, 104765.	8.2	31

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127	Laser Processing of Flexible In-Plane Micro-supercapacitors: Progresses in Advanced Manufacturing of Nanostructured Electrodes. ACS Nano, 2022, 16, 10088-10129.	7.3	31
128	High-Quality Vertically Aligned Carbon Nanotubes for Applications as Thermal Interface Materials. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 232-239.	1.4	30
129	Large-Scale Synthesis of Few-Layer F-BN Nanocages with Zigzag-Edge Triangular Antidot Defects and Investigation of the Advanced Ferromagnetism. Nano Letters, 2015, 15, 8122-8128.	4.5	30
130	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. Advanced Materials Interfaces, 2019, 6, 1801635.	1.9	30
131	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
132	Ultrasonic Vibration at Thermosonic Flip-Chip Bonding Interface. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2011, 1, 852-858.	1.4	29
133	Enhancement of dielectric performance upto GHz of the composites with polymer encapsulated hybrid BaTiO ₃ -Cu as fillers: multiple interfacial polarizations playing a key role. RSC Advances, 2016, 6, 36450-36458.	1.7	29
134	Distribution of bromine in mixed iodide-bromide organolead perovskites and its impact on photovoltaic performance. Journal of Materials Chemistry A, 2016, 4, 16191-16197.	5.2	29
135	Silver Nanoparticle-Enzyme Composite Films for Hydrogen Peroxide Detection. ACS Applied Nano Materials, 2019, 2, 5910-5921.	2.4	29
136	Sn-Doped Rutile TiO ₂ Hollow Nanocrystals with Enhanced Lithium-Ion Batteries Performance. ACS Omega, 2018, 3, 1329-1337.	1.6	28
137	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
138	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
139	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
140	Crosstalk-Free, High-Resolution Pressure Sensor Arrays Enabled by High-Throughput Laser Manufacturing. Advanced Materials, 2022, 34, e2200517.	11.1	27
141	Anisotropic Charge Transport Enabling High-Throughput and High-Aspect-Ratio Wet Etching of Silicon Carbide. Small Methods, 2022, 6, .	4.6	27
142	Enhanced oxidation resistance and electrical conductivity copper nanowires-graphene hybrid films for flexible strain sensors. New Journal of Chemistry, 2017, 41, 4950-4958.	1.4	25
143	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
144	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

#	ARTICLE	IF	CITATIONS
145	Surface-Modified barium titanate by MEEAA for high-energy storage application of polymer composites. High Voltage, 2016, 1, 175-180.	2.7	24
146	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
147	Cationic Polyelectrolyte Bridged Boron Nitride Microplatelet Based Poly(vinyl alcohol) Composite: A Novel Method toward High Thermal Conductivity. Advanced Materials Interfaces, 2019, 6, 1900787.	1.9	24
148	A novel, facile, layer-by-layer substrate surface modification for the fabrication of all-inkjet-printed flexible electronic devices on Kapton. Journal of Materials Chemistry C, 2016, 4, 7052-7060.	2.7	23
149	Self-Healable Polyelectrolytes with Mechanical Enhancement for Flexible and Durable Supercapacitors. Chemistry - A European Journal, 2019, 25, 11715-11724.	1.7	23
150	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
151	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. Nano Energy, 2022, 94, 106902.	8.2	23
152	High energy density of BaTiO ₃ @TiO ₂ nanosheet/polymer composites via ping-pong-like electron area scattering and interface engineering. NPG Asia Materials, 2022, 14, .	3.8	23
153	Assembly of flower-like VS ₂ /N-doped porous carbon with expanded (001) plane on rGO for superior Na-ion and K-ion storage. Nano Research, 2022, 15, 4108-4116.	5.8	23
154	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
155	High energy density polymer nanocomposites with Y-doped barium strontium titanate nanoparticles as fillers. IET Nanodielectrics, 2018, 1, 137-142.	2.0	22
156	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
157	Layer-by-Layer Assembly of Multifunctional Porous N-Doped Carbon Nanotube Hybrid Architectures for Flexible Conductors and Beyond. ACS Applied Materials & Interfaces, 2015, 7, 6716-6723.	4.0	21
158	Recent Developments in Design and Fabrication of Graphene-Based Interdigital Micro-Supercapacitors for Miniaturized Energy Storage Devices. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 1752-1765.	1.4	21
159	Fabrication of a flexible and stretchable three-dimensional conductor based on Au-Ni@graphene coated polyurethane sponge by electroless plating. Journal of Materials Chemistry C, 2018, 6, 8135-8143.	2.7	21
160	Pd Nanoparticle-Interspersed Hierarchical Copper Hydroxide@Nickel Cobalt Hydroxide Carbonate Tubular Arrays as Efficient Electrocatalysts for Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 16459-16466.	3.2	21
161	Preparation of Water-Based Carbon Nanotube Inks and Application in the Inkjet Printing of Carbon Nanotube Gas Sensors. Journal of Electronic Packaging, Transactions of the ASME, 2013, 135, .	1.2	20
162	In situ assembly of dispersed Ag nanoparticles on hierarchically porous organosilica microspheres for controllable reduction of 4-nitrophenol. Journal of Materials Science, 2015, 50, 3399-3408.	1.7	20

#	ARTICLE	IF	CITATIONS
163	A Rapid Vibration Reduction Method for Macro-Micro Composite Precision Positioning Stage. IEEE Transactions on Industrial Electronics, 2017, 64, 401-411.	5.2	20
164	Simultaneously Enhanced Permittivity and Electric Breakdown Strength of Polyacrylonitrile Composites by Introducing Ultralow Content BaSrTiO ₃ Nanofibers. Advanced Engineering Materials, 2019, 21, 1900817.	1.6	20
165	Enhanced electrocaloric effect for refrigeration in lead-free polymer composite films with an optimal filler loading. Applied Physics Letters, 2019, 114, .	1.5	20
166	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
167	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
168	Hydrothermal synthesis of BaTiO ₃ nanowires for high energy density nanocomposite capacitors. Journal of Materials Science, 2020, 55, 6903-6914.	1.7	19
169	Facile synthesis of flexible graphene-silver composite papers with promising electrical and thermal conductivity performances. RSC Advances, 2014, 4, 34156-34160.	1.7	18
170	Uniform Metal-Assisted Chemical Etching for Ultra-High-Aspect-Ratio Microstructures on Silicon. Journal of Microelectromechanical Systems, 2019, 28, 143-153.	1.7	18
171	Enhanced dielectric constant and energy density in a BaTiO ₃ /polymer-matrix composite sponge. Communications Materials, 2020, 1, .	2.9	18
172	Modeling and Experimental Study of the Kink Formation Process in Wire Bonding. IEEE Transactions on Semiconductor Manufacturing, 2014, 27, 51-59.	1.4	17
173	High Refractive Index and Transparent Nanocomposites as Encapsulant for High Brightness LED Packaging. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 1125-1130.	1.4	17
174	Enhanced Performance of Lithium-Ion Batteries with Copper Oxide Microspheres @ Graphene Oxide Micro/Nanocomposite Electrodes. Energy Technology, 2015, 3, 488-495.	1.8	17
175	Tailoring Size and Coverage Density of Silver Nanoparticles on Monodispersed Polymer Spheres as Highly Sensitive SERS Substrates. Chemistry - an Asian Journal, 2016, 11, 2428-2435.	1.7	17
176	Hybridizing Fe ₃ O ₄ nanocrystals with nitrogen-doped carbon nanowires for high-performance supercapacitors. RSC Advances, 2017, 7, 48039-48046.	1.7	17
177	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
178	Self-Healable and Mechanically Reinforced Multidimensional Carbon/Polyurethane Dielectric Nanocomposite Incorporates Various Functionalities for Capacitive Strain Sensor Applications. Macromolecular Chemistry and Physics, 2018, 219, 1800369.	1.1	17
179	Ladderlike Tapered Pillars Enabling Spontaneous and Consecutive Liquid Transport. ACS Applied Materials & Interfaces, 2018, 10, 34735-34743.	4.0	17
180	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

#	ARTICLE	IF	CITATIONS
181	Form Transcrystals of Poly(propylene) Induced by Individual Carbon Nanotubes. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1348-1354.	1.1	16
182	Experiment study of dynamic looping process for thermosonic wire bonding. <i>Microelectronics Reliability</i> , 2012, 52, 1105-1111.	0.9	16
183	Experimental and Modeling Study of Breakup Behavior in Silicone Jet Dispensing for Light-Emitting Diode Packaging. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2015, 5, 1019-1026.	1.4	16
184	Solvent-Assisted Thermal-Pressure Strategy for Constructing High-Quality $\text{CH}_3\text{NH}_3\text{PbCl}_3$ Films as High-Performance Perovskite Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8393-8398.	4.0	16
185	Effect of Capillary Trace on Dynamic Loop Profile Evolution in Thermosonic Wire Bonding. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2012, 2, 1550-1557.	1.4	15
186	Ultrasound aided smooth dispensing for high viscoelastic epoxy in microelectronic packaging. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 15-20.	3.8	15
187	Octahedral $\text{Cu}_2\text{O}@ \text{Co}(\text{OH})_2$ Nanocages with Hierarchical Flake-Like Walls and Yolk-Shell Structures for Enhanced Electrocatalytic Activity. <i>ChemCatChem</i> , 2019, 11, 2520-2525.	1.8	15
188	Ladderlike Conical Micropillars Facilitating Underwater Gas-Bubble Manipulation in an Aqueous Environment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42437-42445.	4.0	15
189	Fluorinated graphene/polyimide nanocomposites for advanced electronic packaging applications. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49801.	1.3	15
190	Synthesis of mesoporous $\text{TiO}_2@ \text{C}@ \text{MnO}_2$ multi-shelled hollow nanospheres with high rate capability and stability for lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 65243-65251.	1.7	14
191	Dynamic Modeling, Simulation, and Experimental Verification of a Wafer Handling SCARA Robot With Decoupling Servo Control. <i>IEEE Access</i> , 2019, 7, 47143-47153.	2.6	14
192	Vapor-Phase Polymerized Poly(3,4-Ethylenedioxythiophene) on a Nickel Nanowire Array Film: Aqueous Symmetrical Pseudocapacitors with Superior Performance. <i>PLoS ONE</i> , 2016, 11, e0166529.	1.1	14
193	Self-Patterning of Silica/Epoxy Nanocomposite Underfill by Tailored Hydrophilic-Superhydrophobic Surfaces for 3D Integrated Circuit (IC) Stacking. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8437-8442.	4.0	13
194	Geometric model reconstruction through a surface extension algorithm for remanufacturing of twist blades. <i>Rapid Prototyping Journal</i> , 2017, 23, 382-390.	1.6	13
195	Hierarchical NiCo hydroxide nanosheets deposited on 3D porous Ni arrays for cost-effective high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2552-2562.	1.1	13
196	Numerical homogenization of thermal conductivity of particle-filled thermal interface material by fast Fourier transform method. <i>Nanotechnology</i> , 2021, 32, 265708.	1.3	13
197	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
198	A novel graphene-based inkjet-printed WISP-enabled wireless gas sensor. , 2012, , .		12

#	ARTICLE	IF	CITATIONS
199	Copper Hydroxide Porous Nanotube Arrays Grown on Copper Foils as High-Performance Integrated Electrodes for Supercapacitors. <i>ChemistrySelect</i> , 2017, 2, 9570-9576.	0.7	12
200	Improvement of Sensitivity by Using Microfabricated Spherical Alkali Vapor Cells for Chip-Scale Atomic Magnetometers. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018, 8, 1715-1722.	1.4	12
201	Nanostructured Silicon-Based Heterojunction Solar Cells with Double Hole-Transporting Layers. <i>Advanced Electronic Materials</i> , 2019, 5, 1800070.	2.6	12
202	MAPbI ₃ Quasi-Single-Crystal Films Composed of Large-Sized Grains with Deep Boundary Fusion for Sensitive Vis-NIR Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38314-38324.	4.0	12
203	Flexible and electrically conductive composites based on 3D hierarchical silver dendrites. <i>Soft Matter</i> , 2020, 16, 6765-6772.	1.2	12
204	Simultaneous improvement of thermal conductivity and mechanical properties for mechanically mixed ABS/hBN composites by using small amounts of hyperbranched polymer additives. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49186.	1.3	12
205	Effects of Defects on the Mechanical Properties of Kinked Silicon Nanowires. <i>Nanoscale Research Letters</i> , 2017, 12, 185.	3.1	11
206	Highly thermally conductive graphene-based electrodes for supercapacitors with excellent heat dissipation ability. <i>Sustainable Energy and Fuels</i> , 2017, 1, 2145-2154.	2.5	11
207	Polyimide incorporated cyanate ester/epoxy copolymers for high-temperature molding compounds. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2412-2421.	2.5	11
208	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
209	Double-Sided Transferred Carbon Nanotube Arrays for Improved Thermal Interface Materials. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2015, 137, .	1.2	10
210	In situ synthesis of silver nanostructures on magnetic Fe ₃ O ₄ @organosilicon microparticles for rapid hydrogenation catalysis. <i>RSC Advances</i> , 2015, 5, 56974-56981.	1.7	10
211	A novel chipless RFID-based stretchable and wearable hand gesture sensor. , 2015, , .		9
212	A facile and low-cost route to high-aspect-ratio microstructures on silicon via a judicious combination of flow-enabled self-assembly and metal-assisted chemical etching. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8953-8961.	2.7	9
213	Composite Glass-Silicon Substrates Embedded With Microcomponents for MEMS System Integration. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019, 9, 201-208.	1.4	9
214	Massively Engineering the Wettability of Titanium by Tuning Nanostructures and Roughness via Laser Ablation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30382-30388.	1.5	9
215	Thermally Self-Healable Titanium Dioxide/Polyurethane Nanocomposites with Recoverable Mechanical and Dielectric Properties. <i>Macromolecular Research</i> , 2020, 28, 373-381.	1.0	9
216	Capacitance enhancement by electrochemically active benzene derivatives for graphene-based supercapacitors. <i>RSC Advances</i> , 2015, 5, 84113-84118.	1.7	8

#	ARTICLE	IF	CITATIONS
217	A VCM Active Actuation Method for Bonding Time Reduction in Chip Packaging Process. IEEE Transactions on Industrial Electronics, 2021, 68, 7252-7262.	5.2	8
218	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
219	Applications on MEMS packaging and micro-reactors using wafer-level glass cavities by a low-cost glass blowing method. , 2011, , .		7
220	A novel solid-to-solid electrocatalysis of graphene oxide reduction on copper electrode. RSC Advances, 2015, 5, 87987-87992.	1.7	7
221	UV-UV shielding silicone/zinc oxide nanocomposite coating for automobile windows. Polymer Composites, 2016, 37, 2053-2057.	2.3	7
222	Integrated Sensing-/Model-Based Online Estimation of Jet Dispensing. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 300-309.	1.4	7
223	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
224	Design and fabrication of inverted tapered micro-pillars for spontaneously transporting liquid upward. Microfluidics and Nanofluidics, 2018, 22, 1.	1.0	7
225	Adhesion-Enhanced Flexible Conductive Metal Patterns on Polyimide Substrate Through Direct Writing Catalysts with Novel Surface-Modification Electroless Deposition. ChemistrySelect, 2018, 3, 7612-7618.	0.7	7
226	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
227	Laser-induced graphene coated hollow-core fiber for humidity sensing. Sensors and Actuators B: Chemical, 2022, 359, 131530.	4.0	7
228	Quality Control of Vertically Aligned Carbon Nanotubes Grown by Chemical Vapor Deposition. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2013, 3, 1804-1810.	1.4	6
229	Modeling of Deep Cavity Looping Process on 3-D Stacked Die Package. IEEE Transactions on Semiconductor Manufacturing, 2013, 26, 169-175.	1.4	6
230	Experimental and Modeling Studies of Looping Process for Wire Bonding. Journal of Electronic Packaging, Transactions of the ASME, 2013, 135, .	1.2	6
231	Inkjet Printing of Radio Frequency Electronics: Design Methodologies and Application of Novel Nanotechnologies. Journal of Electronic Packaging, Transactions of the ASME, 2013, 135, .	1.2	6
232	Modeling of laminar fluid flow in jet dispensing process. , 2014, , .		6
233	Bioadhesive hydrocaffeic acid modified chitosan colloidal particles using as particulate emulsifiers. Journal of Dispersion Science and Technology, 2019, 40, 1559-1566.	1.3	6
234	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

#	ARTICLE	IF	CITATIONS
235	Intensity Modulated Gas RI Sensor Based on Inornate Antiresonant Hollow-Core Fiber With Ultrahigh Sensitivity. IEEE Access, 2021, 9, 45270-45276.	2.6	6
236	Preparation of a Micro Rubidium vapor cell and its integration in a chip-scale atomic magnetometer. , 2014, , .		5
237	Pressure-Induced Synthesis and Evolution of Ceria Mesoporous Nanostructures with Enhanced Catalytic Performance. Crystal Growth and Design, 2016, 16, 2466-2471.	1.4	5
238	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
239	Formation of cerium oxide hollow spheres and investigation of hollowing mechanism. SN Applied Sciences, 2019, 1, 1.	1.5	5
240	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
241	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
242	Characterization and Verification of Viscoelastic Constitutive Parameters of Underfill Material. , 2021, , .		5
243	Wet etching of deep trenches on silicon with three-dimensional (3D) controllability. , 2014, , .		4
244	Finite element analysis for the wire bonding process and impact force variation. , 2015, , .		4
245	Dielectric properties of CVD graphene/BaTiO ₃ /polyvinylidene fluoride nanocomposites fabricated through powder metallurgy. , 2015, , .		4
246	Design of Miura Folding-Based Micro-Supercapacitors as Foldable and Miniaturized Energy Storage Devices. , 2017, , .		4
247	Effect of Zn content on interfacial reactions of Ni/Sn ^x Zn/Ni joints under temperature gradient. Journal of Materials Research, 2017, 32, 3555-3563.	1.2	4
248	Research On Position&Force Control Based on Voice Coil Motor. , 2018, , .		4
249	An ultrasensitive biosensor based on electroactive nanoparticles self-assembled from 3-thiophenecarboxylic acid-modified starch. Colloid and Polymer Science, 2018, 296, 1365-1372.	1.0	4
250	Epoxy/ Triazine Copolymer Resin System for High Temperature Encapsulant Applications. , 2019, , .		4
251	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
252	High-speed wet etching of through silicon vias (TSVs) in micro- and nanoscale. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
253	Comparison of Fundamental Frequency and Sweep Resistance of Different Wire Loops Using Finite Element Model. International Journal of Structural Stability and Dynamics, 2015, 15, 1450032.	1.5	3
254	Development of an Ultralong Ultralow n-Loop for Wire Bonding. IEEE Transactions on Semiconductor Manufacturing, 2015, 28, 50-54.	1.4	3
255	Fuzzy PID control for impact force of high speed wire bonding process. , 2016, , .		3
256	Controllable Synthesis and Study on Morphology of Copper Nanowires. Journal of the Chinese Chemical Society, 2017, 64, 1354-1359.	0.8	3
257	Thermally Reversible and Crosslinked Polyurethane Based on Diels-Alder Chemistry for Ultrathin Wafer Temporary Bonding at Low-Temperature. , 2017, , .		3
258	A direct-drive SCARA robot for wafer&ceramic-substrate handling based on visual servoing. , 2017, , .		3
259	Smith-ADRC Based Z Axis Impact Force Control for High Speed Wire Bonding Machine. , 2018, , .		3
260	Research on Motion Simulation of Wafer Handling Robot Based on SCARA. , 2018, , .		3
261	A high-performance TiO ₂ nanotube supercapacitor by tuning heating rate during H ₂ thermal annealing. Journal of Materials Science: Materials in Electronics, 2018, 29, 15130-15137.	1.1	3
262	Development of low temperature curing polyimides with quinoline. , 2019, , .		3
263	Comparison of two high temperature treatment methods on preparing electrically conductive polysulfide/Ag composites for aerospace sealant applications. Journal of Applied Polymer Science, 2021, 138, 50121.	1.3	3
264	The in vivo dissolution of tricalcium silicate bone cement. Journal of Biomedical Materials Research - Part A, 2021, 109, 2527-2535.	2.1	3
265	Viscoelastic Characterization and Simulation of Thermal Interface Materials. , 2021, , .		3
266	Nano materials for microelectronic and photonic packaging. Frontiers of Optoelectronics in China, 2010, 3, 139-142.	0.2	2
267	Integration of on-chip glass microfluidic system by a chemical foaming process (CFP). , 2012, , .		2
268	Water Vapor Treatment for Decreasing the Adhesion between Vertically Aligned Carbon Nanotubes and the Growth Substrate. Chemical Vapor Deposition, 2013, 19, 224-227.	1.4	2
269	Experimental and modeling study of high-viscosity silicone jet dispensing process for LED packaging. , 2014, , .		2
270	A printable and flexible conductive polymer composite with sandwich structure for stretchable conductor and strain sensor applications. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
271	Predicting height and determining mass of foaming agents for glass shell resonators. , 2018, , .		2
272	Halidesâ€Assisted Lowâ€Temperature Synthesis of Hexagonal Boron Nitride Nanosheets. Particle and Particle Systems Characterization, 2019, 36, 1900278.	1.2	2
273	In-Situ Redox Nanowelding of Copper Nanowires with Surficial Oxide Layer as Solder for Flexible Transparent Electromagnetic Interference Shielding. , 2019, , .		2
274	Triangular Model Registration Algorithm Through Differential Topological Singularity Points by Helmholtz-Hodge Decomposition. IEEE Access, 2019, 7, 34776-34790.	2.6	2
275	Intrinsic low dielectric constant and low dielectric loss polyimides: the effect of molecular structure. , 2019, , .		2
276	Microfabricated SERF Atomic Magnetometers for Measurement of Weak Magnetic Field. , 2020, , .		2
277	Porphyrin Functionalized Laser-Induced Graphene and Porous WO ₃ Assembled Effective Z-Scheme Photocatalyst for Promoted Visible-Light-Driven Degradation of Ciprofloxacin. Catalysis Letters, 0, , 1.	1.4	2
278	A Novel Defocus-Degree-Based Phase Unwrapping and Fusion Algorithm for High-Speed and Large-Depth-Range 3D Measurement. IEEE Transactions on Industrial Electronics, 2023, 70, 4278-4288.	5.2	2
279	Large-scale production of boron nitride nanosheets-based epoxy nanocomposites with ultrahigh through-plane thermal conductivity for electronic encapsulation. , 2022, , .		2
280	Investigation of Complex Looping Process for Thermosonic Wire Bonding. IEEE Transactions on Semiconductor Manufacturing, 2014, 27, 238-245.	1.4	1
281	Comparison of the break-up behaviors of newton and shear thinning non-newton fluid in jet dispensing for LED packaging. , 2015, , .		1
282	Solution-casting dielectric composite toward high energy storage density utilizing molybdenum disulfide sheets. , 2016, , .		1
283	Printable and stretchable elastic composites with highly electrical conductivity based on core-shell fillers. , 2016, , .		1
284	Fine tuning development software for high precision and Multi-Axis Motion Control System. , 2017, , .		1
285	Formation of preferred orientation of Cu⁶Sn⁵ grains in Cu/Sn/Cu interconnects by soldering under temperature gradient. , 2017, , .		1
286	Electro-deposition of Co-Ni sulfide nanosheet arrays on nickel foam and investigation of the pseudocapacitive performance. , 2017, , .		1
287	Improved Thermal Conductive Property of Pine Needle Derived Carbon for Thermal Management Applications. , 2018, , .		1
288	Facile Preparation of Silver Nanoparticles Decorated Boron Nitride Nanotube Hybrids. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
289	Synthesis and characterization of 3D CoMoO ₄ /rGO aerogel for supercapacitor electrodes. , 2018, , .		1
290	Fabricating 3D BT-BN/epoxy Composites with High Dielectric Performance. , 2018, , .		1
291	FE Modeling and Analysis on Thermosonic Flip Chip Bonding Process for Cu/low-k Wafer. , 2018, , .		1
292	Synthesis of size-controlled pure copper nanoparticles for packaging interconnect. , 2018, , .		1
293	Integration of the SERF Magnetometer and the Mz Magnetometer Using Micro-Fabricated Alkali Vapor Cell. , 2018, , .		1
294	Lightweight carbon-based foams made from bacterial cellulose for electromagnetic interference (EMI) shielding. , 2019, , .		1
295	Defect control in epoxy dry film with improved electric performances. , 2020, , .		1
296	Large-scale and low-cost production of graphene nanosheets-based epoxy nanocomposites with latent catalyst to enhance thermal conductivity for electronic encapsulation. , 2021, , .		1
297	The Effect of Thermal-Induced Warpage and Degeneration of Thermal Interface Materials on the Thermal Performance of a Flip-Chip Package. , 2021, , .		1
298	Capacitive deionization of water coolant using hybrid carbon electrodes for high power electronic applications. , 2014, , .		0
299	P(St-AA)/Ag nano-composite particles as electrical conductive filler for conductive ink in printed electronics. , 2015, , .		0
300	Water-dispersible graphene paste for flexible conductive patterns and films. , 2016, , .		0
301	Enhanced dielectric property and energy density of polydopamine encapsuled BaTiO ₃ /nanofibers/PVDF nanocomposites. , 2016, , .		0
302	The nonlinear voltage-current characteristics of three-phase SiC/CNTs/epoxy composite. , 2016, , .		0
303	Improved permittivity and breakdown strength of PVDF composites filled with TiO ₂ -SrTiO ₃ hybrids. , 2017, , .		0
304	Modeling study of the dynamics of silicone-phosphor in jet dispensing process for LED packaging. , 2017, , .		0
305	Experimental study on the viscoelastic property of silicone. , 2017, , .		0
306	Dielectric and energy storage behavior of PVDF composite film filled with graphene quantum dots decorated BaTiO ₃ . , 2018, , .		0

#	ARTICLE	IF	CITATIONS
307	Silicon Nanowires Passivated by TiO ₂ Layer for Supercapacitors in Aqueous Electrolyte. , 2018, , .		0
308	A novel organic coating assisted laser drilling method for TSV fabrication. , 2018, , .		0
309	Metal-Organic Frameworks Derived PdCu/C As an Efficient Catalyst for Electroless Copper Deposition. , 2018, , .		0
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324	Uniaxial-oriented FAXMA1-xPbI ₃ films with low intragrain and structural defects for self-powered photodetectors. Journal of Materials Chemistry C, 0, , .	2.7	0

#	ARTICLE	IF	CITATIONS
325	Epoxy Resin with Metal Complex Additives for Improved Reliability of Epoxy-Copper Joint. , 2022, , .		0