

# Cheng-Te Lin

## List of Publications by Year in descending order

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246  
papers

18,616  
citations

16411

64  
h-index

13727

129  
g-index

248  
all docs

248  
docs citations

248  
times ranked

21265  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Large-Area MoS <sub>2</sub> Atomic Layers with Chemical Vapor Deposition. <i>Advanced Materials</i> , 2012, 24, 2320-2325.	11.1	2,956
2	Element Replacement Approach by Reaction with Lewis Acidic Molten Salts to Synthesize Nanolaminated MAX Phases and MXenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 4730-4737.	6.6	811
3	Highly Efficient Electrocatalytic Hydrogen Production by MoS <sub>x</sub> Grown on Graphene-Protected 3D Ni Foams. <i>Advanced Materials</i> , 2013, 25, 756-760.	11.1	693
4	Synthesis and Transfer of Single-Layer Transition Metal Disulfides on Diverse Surfaces. <i>Nano Letters</i> , 2013, 13, 1852-1857.	4.5	612
5	Graphene-modified LiFePO <sub>4</sub> cathode for lithium ion battery beyond theoretical capacity. <i>Nature Communications</i> , 2013, 4, 1687.	5.8	481
6	A Two-Dimensional Zirconium Carbide by Selective Etching of Al <sub>3</sub> C <sub>3</sub> from Nanolaminated Zr <sub>3</sub> Al <sub>3</sub> C <sub>5</sub> . <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5008-5013.	7.2	425
7	Synthesis and Electrochemical Properties of Two-Dimensional Hafnium Carbide. <i>ACS Nano</i> , 2017, 11, 3841-3850.	7.3	370
8	Volumetric solar heating of nanofluids for direct vapor generation. <i>Nano Energy</i> , 2015, 17, 290-301.	8.2	350
9	Large-Area Ultrathin Graphene Films by Single-Step Marangoni Self-Assembly for Highly Sensitive Strain Sensing Application. <i>Advanced Functional Materials</i> , 2016, 26, 1322-1329.	7.8	326
10	Graphene/MoS <sub>2</sub> Heterostructures for Ultrasensitive Detection of DNA Hybridisation. <i>Advanced Materials</i> , 2014, 26, 4838-4844.	11.1	290
11	Role of the surface effect on the structural, electronic and mechanical properties of the carbide MXenes. <i>Europhysics Letters</i> , 2015, 111, 26007.	0.7	262
12	Enhanced thermal properties of poly(vinylidene fluoride) composites with ultrathin nanosheets of MXene. <i>RSC Advances</i> , 2017, 7, 20494-20501.	1.7	242
13	Rational Design of Flexible Two-Dimensional MXenes with Multiple Functionalities. <i>Chemical Reviews</i> , 2019, 119, 11980-12031.	23.0	242
14	Opening an Electrical Band Gap of Bilayer Graphene with Molecular Doping. <i>ACS Nano</i> , 2011, 5, 7517-7524.	7.3	222
15	Metal-Level Thermally Conductive yet Soft Graphene Thermal Interface Materials. <i>ACS Nano</i> , 2019, 13, 11561-11571.	7.3	214
16	A self-powered high-performance graphene/silicon ultraviolet photodetector with ultra-shallow junction: breaking the limit of silicon?. <i>Npj 2D Materials and Applications</i> , 2017, 1, .	3.9	211
17	Promising electron mobility and high thermal conductivity in Sc <sub>2</sub> CT <sub>2</sub> (T = F, Tj ETQq1 1 0.784314 rgBT /Over	2.8	205
18	Layer-by-Layer Graphene/TCNQ Stacked Films as Conducting Anodes for Organic Solar Cells. <i>ACS Nano</i> , 2012, 6, 5031-5039.	7.3	199

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19	Thermal conductivity enhancement of phase change materials with 3D porous diamond foam for thermal energy storage. <i>Applied Energy</i> , 2019, 233-234, 208-219.	5.1	194
20	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
21	Label-free detection of DNA hybridization using transistors based on CVD grown graphene. <i>Biosensors and Bioelectronics</i> , 2013, 41, 103-109.	5.3	185
22	New Deformation-Induced Nanostructure in Silicon. <i>Nano Letters</i> , 2018, 18, 4611-4617.	4.5	182
23	The thermal and electrical properties of the promising semiconductor MXene Hf <sub>2</sub> CO <sub>2</sub> . <i>Scientific Reports</i> , 2016, 6, 27971.	1.6	178
24	Enhanced thermal conductivity for polyimide composites with a three-dimensional silicon carbide nanowire@graphene sheets filler. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4884-4891.	5.2	173
25	Controlled porous structures of graphene aerogels and their effect on supercapacitor performance. <i>Nanoscale</i> , 2015, 7, 4386-4393.	2.8	163
26	Enhanced thermal conductivity of polyurethane composites via engineering small/large sizes interconnected boron nitride nanosheets. <i>Composites Science and Technology</i> , 2019, 170, 93-100.	3.8	160
27	Constructing a "pea-pod-like" alumina-graphene binary architecture for enhancing thermal conductivity of epoxy composite. <i>Chemical Engineering Journal</i> , 2020, 381, 122690.	6.6	157
28	In situ formation of a cellular graphene framework in thermoplastic composites leading to superior thermal conductivity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6164-6169.	5.2	149
29	An ultrathin high-performance heat spreader fabricated with hydroxylated boron nitride nanosheets. <i>2D Materials</i> , 2017, 4, 025047.	2.0	145
30	Highly thermal conductive and electrical insulating polymer composites with boron nitride. <i>Composites Part B: Engineering</i> , 2020, 184, 107746.	5.9	142
31	Intrinsic Structural, Electrical, Thermal, and Mechanical Properties of the Promising Conductor Mo <sub>2</sub> C MXene. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15082-15088.	1.5	139
32	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
33	Defects regulating of graphene ink for electrochemical determination of ascorbic acid, dopamine and uric acid. <i>Talanta</i> , 2018, 180, 248-253.	2.9	124
34	3D Shapeable, Superior Electrically Conductive Cellulose Nanofibers/Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Aerogels/Epoxy Nanocomposites for Promising EMI Shielding. <i>Research</i> , 2020, 2020, 4093732.	2.8	124
35	Extreme sensitivity of graphene photoconductivity to environmental gases. <i>Nature Communications</i> , 2012, 3, 1228.	5.8	120
36	Highly thermal conductive polymer composites via constructing micro-phragmites communis structured carbon fibers. <i>Chemical Engineering Journal</i> , 2019, 375, 121921.	6.6	115

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37	Label-Free Electrical Detection of DNA Hybridization on Graphene using Hall Effect Measurements: Revisiting the Sensing Mechanism. <i>Advanced Functional Materials</i> , 2013, 23, 2301-2307.	7.8	114
38	Highly stable and regenerative graphene-diamond hybrid electrochemical biosensor for fouling target dopamine detection. <i>Biosensors and Bioelectronics</i> , 2018, 111, 117-123.	5.3	112
39	A Broadband Fluorographene Photodetector. <i>Advanced Materials</i> , 2017, 29, 1700463.	11.1	110
40	Graphene woven fabric-reinforced polyimide films with enhanced and anisotropic thermal conductivity. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 87, 290-296.	3.8	108
41	Multiscale Structural Modulation of Anisotropic Graphene Framework for Polymer Composites Achieving Highly Efficient Thermal Energy Management. <i>Advanced Science</i> , 2021, 8, 2003734.	5.6	108
42	Exceptionally high thermal and electrical conductivity of three-dimensional graphene-foam-based polymer composites. <i>RSC Advances</i> , 2016, 6, 22364-22369.	1.7	105
43	Enhanced thermal conductivity of epoxy composites filled with silicon carbide nanowires. <i>Scientific Reports</i> , 2017, 7, 2606.	1.6	105
44	Graphene foam-embedded epoxy composites with significant thermal conductivity enhancement. <i>Nanoscale</i> , 2019, 11, 17600-17606.	2.8	105
45	Enhanced Thermal Conductivity of Epoxy Composites Filled with 2D Transition Metal Carbides (MXenes) with Ultralow Loading. <i>Scientific Reports</i> , 2019, 9, 9135.	1.6	104
46	Self-Assembled Graphene Film as Low Friction Solid Lubricant in Macroscale Contact. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21554-21562.	4.0	103
47	Soft and Self-Adhesive Thermal Interface Materials Based on Vertically Aligned, Covalently Bonded Graphene Nanowalls for Efficient Microelectronic Cooling. <i>Advanced Functional Materials</i> , 2021, 31, 2104062.	7.8	95
48	Graphene size-dependent modulation of graphene frameworks contributing to the superior thermal conductivity of epoxy composites. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12091-12097.	5.2	88
49	A flexible hydrophilic-modified graphene microprobe for neural and cardiac recording. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 600-604.	1.7	86
50	Infrageneric phylogenetics investigation of <i>Chimonanthus</i> based on electroactive compound profiles. <i>Bioelectrochemistry</i> , 2020, 133, 107455.	2.4	86
51	Flammability, thermal stability and mechanical properties of polyvinyl alcohol nanocomposites reinforced with delaminated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene). <i>Polymer Composites</i> , 2020, 41, 210-218.	2.3	84
52	Extremely high thermal conductivity of carbon fiber/epoxy with synergistic effect of MXenes by freeze-drying. <i>Composites Communications</i> , 2020, 19, 134-141.	3.3	81
53	A glassy carbon electrode modified with N-doped carbon dots for improved detection of hydrogen peroxide and paracetamol. <i>Mikrochimica Acta</i> , 2018, 185, 87.	2.5	80
54	Enhanced Electrocatalytic Activity of MoS <sub>x</sub> on TCNQ-Treated Electrode for Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 17679-17685.	4.0	78

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55	High-Thermal-Transport-Channel Construction within Flexible Composites via the Welding of Boron Nitride Nanosheets. ACS Applied Nano Materials, 2019, 2, 360-368.	2.4	78
56	Large-area self-assembled reduced graphene oxide/electrochemically exfoliated graphene hybrid films for transparent electrothermal heaters. Applied Surface Science, 2018, 435, 809-814.	3.1	77
57	Stress induced carbon fiber orientation for enhanced thermal conductivity of epoxy composites. Composites Part B: Engineering, 2021, 208, 108599.	5.9	76
58	Lycoris species identification and infrageneric relationship investigation via graphene enhanced electrochemical fingerprinting of pollen. Sensors and Actuators B: Chemical, 2019, 298, 126836.	4.0	75
59	Tailoring Highly Ordered Graphene Framework in Epoxy for High-Performance Polymer-Based Heat Dissipation Plates. ACS Nano, 2021, 15, 12922-12934.	7.3	75
60	Cotton Candy-Templated Fabrication of Three-Dimensional Ceramic Pathway within Polymer Composite for Enhanced Thermal Conductivity. ACS Applied Materials & Interfaces, 2019, 11, 44700-44707.	4.0	74
61	Growth selectivity of hexagonal-boron nitride layers on Ni with various crystal orientations. RSC Advances, 2012, 2, 111-115.	1.7	72
62	Delaminated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) for electrochemical carbendazim sensing. Materials Letters, 2019, 236, 412-415.	1.3	72
63	Rational design of graphene/polymer composites with excellent electromagnetic interference shielding effectiveness and high thermal conductivity: a mini review. Journal of Materials Science and Technology, 2022, 117, 238-250.	5.6	72
64	An electrochemical method for plant species determination and classification based on fingerprinting petal tissue. Bioelectrochemistry, 2019, 129, 199-205.	2.4	71
65	Highly flexible biodegradable cellulose nanofiber/graphene heat-spreader films with improved mechanical properties and enhanced thermal conductivity. Journal of Materials Chemistry C, 2018, 6, 12739-12745.	2.7	69
66	In Situ High-Pressure X-ray Diffraction and Raman Spectroscopy Study of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene. Nanoscale Research Letters, 2018, 13, 343.	3.1	67
67	Enhanced electrochemical voltammetric fingerprints for plant taxonomic sensing. Biosensors and Bioelectronics, 2018, 120, 102-107.	5.3	67
68	Development of an electrochemical biosensor for phylogenetic analysis of Amaryllidaceae based on the enhanced electrochemical fingerprint recorded from plant tissue. Biosensors and Bioelectronics, 2020, 159, 112212.	5.3	66
69	A Two-Dimensional Zirconium Carbide by Selective Etching of Al <sub>3</sub> C <sub>3</sub> from Nanolaminated Zr <sub>3</sub> Al <sub>3</sub> C <sub>5</sub> . Angewandte Chemie, 2016, 128, 5092-5097.	1.6	65
70	Macroscale Superlubricity Enabled by Graphene-Coated Surfaces. Advanced Science, 2020, 7, 1903239.	5.6	64
71	A novel modification to boron-doped diamond electrode for enhanced, selective detection of dopamine in human serum. Carbon, 2021, 171, 16-28.	5.4	64
72	Graphene-based electrochemical sensors for antibiotic detection in water, food and soil: A scientometric analysis in CiteSpace (2011-2021). Chemosphere, 2022, 297, 134127.	4.2	62

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73	Long-term stability of Au nanoparticle-anchored porous boron-doped diamond hybrid electrode for enhanced dopamine detection. <i>Electrochimica Acta</i> , 2018, 271, 84-91.	2.6	61
74	Hall effect biosensors with ultraclean graphene film for improved sensitivity of label-free DNA detection. <i>Biosensors and Bioelectronics</i> , 2018, 99, 85-91.	5.3	60
75	Direct formation of wafer-scale single-layer graphene films on the rough surface substrate by PECVD. <i>Carbon</i> , 2018, 129, 456-461.	5.4	60
76	Thermal conductivity and mechanical properties of flake graphite/copper composite with a boron carbide-boron nano-layer on graphite surface. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 106, 42-51.	3.8	58
77	Effective thermal transport highway construction within dielectric polymer composites <i>via</i> a vacuum-assisted infiltration method. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6494-6501.	2.7	57
78	Flexible transparent electrodes made of electrochemically exfoliated graphene sheets from low-cost graphite pieces. <i>Displays</i> , 2013, 34, 315-319.	2.0	56
79	Carbon nanotube-Cu foam hybrid reinforcements in composite phase change materials with enhanced thermal conductivity. <i>Materials and Design</i> , 2019, 172, 107709.	3.3	56
80	Enhanced thermal conductivity for poly(vinylidene fluoride) composites with nano-carbon fillers. <i>RSC Advances</i> , 2016, 6, 68357-68362.	1.7	55
81	High quality graphene films with a clean surface prepared by an UV/ozone assisted transfer process. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1880-1884.	2.7	54
82	Boron nitride nanosheet nanofluids for enhanced thermal conductivity. <i>Nanoscale</i> , 2018, 10, 13004-13010.	2.8	54
83	Lightweight thermal interface materials based on hierarchically structured graphene paper with superior through-plane thermal conductivity. <i>Chemical Engineering Journal</i> , 2021, 419, 129609.	6.6	54
84	Enhanced Electromagnetic Shielding and Thermal Conductive Properties of Polyolefin Composites with a $\text{Ti}_3\text{C}_2\text{T}_x$ MXene/Graphene Framework Connected by a Hydrogen-Bonded Interface. <i>ACS Nano</i> , 2022, 16, 9254-9266.	7.3	54
85	In situ growth of metal nanoparticles on boron nitride nanosheets as highly efficient catalysts. <i>Journal of Materials Chemistry A</i> , 2016, 4, 19107-19115.	5.2	52
86	Tuning the Electrical Conductivity of $\text{Ti}_2\text{CO}_2$ MXene by Varying the Layer Thickness and Applying Strains. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6802-6811.	1.5	49
87	Construction of 3D interconnected diamond networks in Al-matrix composite for high-efficiency thermal management. <i>Chemical Engineering Journal</i> , 2020, 380, 122551.	6.6	49
88	Electronic and Transport Properties of $\text{Ti}_2\text{CO}_2$ MXene Nanoribbons. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17143-17152.	1.5	46
89	Combining Alumina Particles with Three-Dimensional Alumina Foam for High Thermally Conductive Epoxy Composites. <i>ACS Applied Polymer Materials</i> , 2021, 3, 216-225.	2.0	45
90	Continuous diamond-carbon nanotube foams as rapid heat conduction channels in composite phase change materials based on the stable hierarchical structure. <i>Composites Part B: Engineering</i> , 2020, 200, 108293.	5.9	44

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91	Electrochemical antioxidant screening based on a chitosan hydrogel. <i>Bioelectrochemistry</i> , 2018, 121, 7-10.	2.4	43
92	Electrochemical Sex Determination of Dioecious Plants Using Polydopamine-Functionalized Graphene Sheets. <i>Frontiers in Chemistry</i> , 2020, 8, 92.	1.8	43
93	A solid-state electrochemical sensing platform based on a supramolecular hydrogel. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 326-333.	4.0	41
94	Enhanced thermal conductivity of epoxy composites filled with tetrapod-shaped ZnO. <i>RSC Advances</i> , 2018, 8, 12337-12343.	1.7	41
95	Rapid growth of single-layer graphene on the insulating substrates by thermal CVD. <i>Applied Surface Science</i> , 2015, 346, 41-45.	3.1	40
96	Sensitivity enhancement of potassium ion (K <sup>+</sup> ) detection based on graphene field-effect transistors with surface plasma pretreatment. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 333-340.	4.0	40
97	Efficient Thermal Transport Highway Construction Within Epoxy Matrix via Hybrid Carbon Fibers and Alumina Particles. <i>ACS Omega</i> , 2020, 5, 1170-1177.	1.6	39
98	Highly thermally conductive polymer composites with barnacle-like nano-crystalline Diamond@Silicon carbide hybrid architecture. <i>Composites Part B: Engineering</i> , 2020, 198, 108167.	5.9	39
99	Electrochemical Fingerprint Biosensor for Natural Indigo Dye Yielding Plants Analysis. <i>Biosensors</i> , 2021, 11, 155.	2.3	39
100	Electrical Probing of Submicroliter Liquid Using Graphene Strip Transistors Built on a Nanopipette. <i>Small</i> , 2012, 8, 43-46.	5.2	38
101	High-Quality Monolithic Graphene Films via Laterally Stitched Growth and Structural Repair of Isolated Flakes for Transparent Electronics. <i>Chemistry of Materials</i> , 2017, 29, 7808-7815.	3.2	38
102	Highly Conductive 3D Segregated Graphene Architecture in Polypropylene Composite with Efficient EMI Shielding. <i>Polymers</i> , 2017, 9, 662.	2.0	38
103	Highly flexible few-layer Ti <sub>3</sub> C <sub>2</sub> MXene/cellulose nanofiber heat-spreader films with enhanced thermal conductivity. <i>New Journal of Chemistry</i> , 2020, 44, 7186-7193.	1.4	38
104	<i>In situ</i> TEM observation of rebonding on fractured silicon carbide. <i>Nanoscale</i> , 2018, 10, 6261-6269.	2.8	37
105	Graphene-Based Thermal Interface Materials: An Application-Oriented Perspective on Architecture Design. <i>Polymers</i> , 2018, 10, 1201.	2.0	37
106	Crystal structure and encapsulation dynamics of ice II-structured neon hydrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10456-10461.	3.3	36
107	Square wave voltammetric quantitative determination of flavonoid luteolin in peanut hulls and Perilla based on Au NPs loaded boron nitride nanosheets. <i>Journal of Electroanalytical Chemistry</i> , 2018, 817, 128-133.	1.9	35
108	Coal ash fusion properties from molecular dynamics simulation: the role of calcium oxide. <i>Fuel</i> , 2018, 216, 760-767.	3.4	35

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109	Negative differential resistance and rectifying performance induced by doped graphene nanoribbons p-n device. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1049-1055.	0.9	34
110	Graphene Structure in Carbon Nanocones and Nanodiscs. <i>Langmuir</i> , 2007, 23, 12806-12810.	1.6	33
111	Anisotropic electrical conduction of vertically-aligned single-walled carbon nanotube films. <i>Carbon</i> , 2011, 49, 1446-1452.	5.4	33
112	Effect of different sizes of graphene on thermal transport performance of graphene paper. <i>Composites Communications</i> , 2017, 5, 46-53.	3.3	32
113	A novel approach to fabricating a nanotwinned surface on a ternary nickel alloy. <i>Materials and Design</i> , 2016, 106, 313-320.	3.3	31
114	Macroporous diamond foam: A novel design of 3D interconnected heat conduction network for thermal management. <i>Materials and Design</i> , 2018, 156, 32-41.	3.3	31
115	An Ultrasensitive Contact Lens Sensor Based On Self-Assembly Graphene For Continuous Intraocular Pressure Monitoring. <i>Advanced Functional Materials</i> , 2021, 31, 2010991.	7.8	31
116	Synergistic effect of carbon fiber and graphite on reducing thermal resistance of thermal interface materials. <i>Composites Science and Technology</i> , 2021, 212, 108883.	3.8	31
117	Exploring the potential of exfoliated ternary ultrathin Ti <sub>4</sub> AlN <sub>3</sub> nanosheets for fabricating hybrid patterned polymer brushes. <i>RSC Advances</i> , 2015, 5, 70339-70344.	1.7	30
118	In Situ TEM Study of Interaction between Dislocations and a Single Nanotwin under Nanoindentation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 29451-29456.	4.0	30
119	Two-dimensional semiconducting Lu <sub>2</sub> CT <sub>2</sub> (T = F, OH) MXene with low work function and high carrier mobility. <i>Nanoscale</i> , 2020, 12, 3795-3802.	2.8	30
120	Efficient Heat Dissipation of Photonic Crystal Microcavity by Monolayer Graphene. <i>ACS Nano</i> , 2013, 7, 10818-10824.	7.3	29
121	Anisotropic thermal conductive properties of cigarette filter-templated graphene/epoxy composites. <i>RSC Advances</i> , 2018, 8, 1065-1070.	1.7	29
122	All-carbon devices based on sp <sup>2</sup> -on-sp <sup>3</sup> configuration. <i>APL Materials</i> , 2019, 7, .	2.2	29
123	Improving thermal conductivity of poly(vinyl alcohol) composites by using functionalized nanodiamond. <i>Composites Communications</i> , 2021, 23, 100596.	3.3	29
124	Crystallization induced realignment of carbon fibers in a phase change material to achieve exceptional thermal transportation properties. <i>Journal of Materials Chemistry A</i> , 2022, 10, 593-601.	5.2	29
125	Solid-Phase Coalescence of Electrochemically Exfoliated Graphene Flakes into a Continuous Film on Copper. <i>Chemistry of Materials</i> , 2016, 28, 3360-3366.	3.2	28
126	High-performance non-enzymatic glucose sensor based on Ni/Cu/boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2019, 841, 135-141.	1.9	28



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127	Viscosity temperature properties from molecular dynamics simulation: The role of calcium oxide, sodium oxide and ferrous oxide. <i>Fuel</i> , 2019, 237, 163-169.	3.4	28
128	Ultrasensitive micro/nanocrack-based graphene nanowall strain sensors derived from the substrate's Poisson's ratio effect. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10310-10317.	5.2	28
129	Epoxy composites filled with one-dimensional SiC nanowires and two-dimensional graphene nanoplatelets hybrid nanofillers. <i>RSC Advances</i> , 2014, 4, 59409-59417.	1.7	26
130	New insight into the helium-induced damage in MAX phase Ti <sub>3</sub> AlC <sub>2</sub> by first-principles studies. <i>Journal of Chemical Physics</i> , 2015, 143, 114707.	1.2	26
131	A Diamond Temperature Sensor Based on the Energy Level Shift of Nitrogen-Vacancy Color Centers. <i>Nanomaterials</i> , 2019, 9, 1576.	1.9	26
132	First-principles study of the electronic, optical and transport of few-layer semiconducting MXene. <i>Computational Materials Science</i> , 2019, 168, 137-143.	1.4	26
133	Hierarchical Co <sub>3</sub> O <sub>4</sub> @NiMoO <sub>4</sub> core-shell nanowires for chemiresistive sensing of xylene vapor. <i>Mikrochimica Acta</i> , 2019, 186, 222.	2.5	26
134	Enhanced thermal conductivity of epoxy composites with core-shell SiC@SiO <sub>2</sub> nanowires. <i>High Voltage</i> , 2017, 2, 154-160.	2.7	25
135	First-principles study on the electrical and thermal properties of the semiconducting Sc <sub>3</sub> (CN) <sub>2</sub> MXene. <i>RSC Advances</i> , 2018, 8, 22452-22459.	1.7	24
136	Quasi two-dimensional carbon nanobelts synthesized using a template method. <i>Carbon</i> , 2008, 46, 741-746.	5.4	23
137	Tailor Made Mie Scattering Color Filters Made by Size-Tunable Titanium Dioxide Particles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2697-2702.	1.5	22
138	Tuning the photoluminescence of large Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene flakes. <i>Ceramics International</i> , 2019, 45, 11468-11474.	2.3	22
139	Continuous fabrication platform for highly aligned polymer films. <i>Technology</i> , 2014, 02, 189-199.	1.4	21
140	Electronic structures and mechanical properties of Al(111)/ZrB <sub>2</sub> (0001) heterojunctions from first-principles calculation. <i>Molecular Physics</i> , 2015, 113, 1794-1801.	0.8	21
141	Active-powering pressure-sensing fabric devices. <i>Journal of Materials Chemistry A</i> , 2020, 8, 358-368.	5.2	21
142	A scalable polymer-free method for transferring graphene onto arbitrary surfaces. <i>Carbon</i> , 2020, 161, 479-485.	5.4	21
143	Label-Free Electrochemical Detection of Vanillin through Low-Defect Graphene Electrodes Modified with Au Nanoparticles. <i>Materials</i> , 2018, 11, 489.	1.3	20
144	Electrochemical Voltammogram Recording for Identifying Varieties of Ornamental Plants. <i>Micromachines</i> , 2020, 11, 967.	1.4	20

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145	Robust composite film with high thermal conductivity and excellent mechanical properties by constructing a long-range ordered sandwich structure. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9922-9931.	5.2	20
146	Controllable formation of periodic wrinkles in Marangoni-driven self-assembled graphene film for sensitive strain detection. <i>Science China Materials</i> , 2020, 63, 1983-1992.	3.5	19
147	Microwave Irradiation-Assisted Exfoliation of Boron Nitride Nanosheets: A Platform for Loading High Density of Nanoparticles. <i>ChemistrySelect</i> , 2016, 1, 1799-1803.	0.7	18
148	Ash Fusion Properties from Molecular Dynamics Simulation: Role of the Ratio of Silicon and Aluminum. <i>Energy &amp; Fuels</i> , 2016, 30, 2407-2413.	2.5	18
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