

Chun-Nian He

List of Publications by Year in descending order

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149
papers

8,282
citations

53751

45
h-index

51562

86
g-index

155
all docs

155
docs citations

155
times ranked

9402
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon-Encapsulated Fe ₃ O ₄ Nanoparticles as a High-Rate Lithium Ion Battery Anode Material. ACS Nano, 2013, 7, 4459-4469.	7.3	937
2	Graphene Networks Anchored with Sn@Graphene as Lithium Ion Battery Anode. ACS Nano, 2014, 8, 1728-1738.	7.3	615
3	2D Space-Confined Synthesis of Few-Layer MoS ₂ Anchored on Carbon Nanosheet for Lithium-Ion Battery Anode. ACS Nano, 2015, 9, 3837-3848.	7.3	552
4	Ultrathin Nanosheet-Induced Synthesis of 3D Transition Metal Oxides Networks for Lithium Ion Battery Anodes. Advanced Functional Materials, 2017, 27, 1605017.	7.8	284
5	Thermal decomposition-reduced layer-by-layer nitrogen-doped graphene/MoS ₂ /nitrogen-doped graphene heterostructure for promising lithium-ion batteries. Nano Energy, 2017, 41, 154-163.	8.2	191
6	A Top-Down Strategy toward SnSb In-Plane Nanoconfined 3D N-Doped Porous Graphene Composite Microspheres for High Performance Na-Ion Battery Anode. Advanced Materials, 2018, 30, 1704670.	11.1	183
7	The superior mechanical and physical properties of nanocarbon reinforced bulk composites achieved by architecture design – A review. Progress in Materials Science, 2020, 113, 100672.	16.0	163
8	CeO _x -Decorated NiFe-Layered Double Hydroxide for Efficient Alkaline Hydrogen Evolution by Oxygen Vacancy Engineering. ACS Applied Materials & Interfaces, 2018, 10, 35145-35153.	4.0	156
9	Rational design of Co ₉ S ₈ /CoO heterostructures with well-defined interfaces for lithium sulfur batteries: A study of synergistic adsorption-electrocatalysis function. Nano Energy, 2019, 60, 332-339.	8.2	156
10	2D sandwich-like carbon-coated ultrathin TiO ₂ @defect-rich MoS ₂ hybrid nanosheets: Synergistic-effect-promoted electrochemical performance for lithium ion batteries. Nano Energy, 2016, 26, 541-549.	8.2	146
11	A powder-metallurgy-based strategy toward three-dimensional graphene-like network for reinforcing copper matrix composites. Nature Communications, 2020, 11, 2775.	5.8	137
12	Fabrication of in-situ grown graphene reinforced Cu matrix composites. Scientific Reports, 2016, 6, 19363.	1.6	126
13	Achieving high strength and high ductility in metal matrix composites reinforced with a discontinuous three-dimensional graphene-like network. Nanoscale, 2017, 9, 11929-11938.	2.8	126
14	1D Sub-Nanotubes with Anatase/Bronze TiO ₂ Nanocrystal Wall for High-Rate and Long-Life Sodium-Ion Batteries. Advanced Materials, 2018, 30, e1804116.	11.1	109
15	In-situ synthesis of graphene decorated with nickel nanoparticles for fabricating reinforced 6061Al matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 699, 185-193.	2.6	108
16	Sandwiched C@SnO ₂ @C hollow nanostructures as an ultralong-lifespan high-rate anode material for lithium-ion and sodium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 10946-10956.	5.2	107
17	Traditional uses, phytochemistry, and pharmacology of the genus Acer (maple): A review. Journal of Ethnopharmacology, 2016, 189, 31-60.	2.0	101
18	High-Valent Nickel Promoted by Atomically Embedded Copper for Efficient Water Oxidation. ACS Catalysis, 2020, 10, 9725-9734.	5.5	100

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19	Effect of Interface Structure on the Mechanical Properties of Graphene Nanosheets Reinforced Copper Matrix Composites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37586-37601.	4.0	99
20	Soluble salt self-assembly-assisted synthesis of three-dimensional hierarchical porous carbon networks for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22266-22273.	5.2	98
21	Salt-template-assisted synthesis of robust 3D honeycomb-like structured MoS ₂ and its application as a lithium-ion battery anode. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8734-8741.	5.2	96
22	Three-Dimensional Network of N-Doped Carbon Ultrathin Nanosheets with Closely Packed Mesopores: Controllable Synthesis and Application in Electrochemical Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11720-11728.	4.0	93
23	Salt-assisted synthesis of 3D open porous g-C ₃ N ₄ decorated with cyano groups for photocatalytic hydrogen evolution. <i>Nanoscale</i> , 2018, 10, 3008-3013.	2.8	87
24	Evolution of microstructure and properties of Al–Zn–Mg–Cu–Sc–Zr alloy during aging treatment. <i>Journal of Alloys and Compounds</i> , 2016, 658, 946-951.	2.8	78
25	Microstructure and properties of copper coated graphene nanoplates reinforced Al matrix composites developed by low temperature ball milling. <i>Carbon</i> , 2020, 159, 311-323.	5.4	77
26	In-situ space-confined synthesis of well-dispersed three-dimensional graphene/carbon nanotube hybrid reinforced copper nanocomposites with balanced strength and ductility. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 103, 178-187.	3.8	76
27	Effect of Sc/Zr ratio on the microstructure and mechanical properties of new type of Al–Zn–Mg–Sc–Zr alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 617, 219-227.	2.6	75
28	Scalable synthesis of high-quality transition metal dichalcogenide nanosheets and their application as sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17370-17380.	5.2	72
29	An approach for fabricating Ni@graphene reinforced nickel matrix composites with enhanced mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 715, 108-116.	2.6	70
30	A hybrid energy storage mechanism of carbonous anodes harvesting superior rate capability and long cycle life for sodium/potassium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3673-3681.	5.2	70
31	Free-standing 3D Nanoporous Ductile and Hierarchical Nanoporous Graphene Films for Micron-level Flexible Solid-state Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2016, 6, 1600755.	10.2	66
32	Hard-template synthesis of three-dimensional interconnected carbon networks: Rational design, hybridization and energy-related applications. <i>Nano Today</i> , 2019, 29, 100796.	6.2	64
33	Traditional uses, ten-years research progress on phytochemistry and pharmacology, and clinical studies of the genus <i>Scutellaria</i> . <i>Journal of Ethnopharmacology</i> , 2021, 265, 113198.	2.0	64
34	Genus <i>Paeonia</i> : A comprehensive review on traditional uses, phytochemistry, pharmacological activities, clinical application, and toxicology. <i>Journal of Ethnopharmacology</i> , 2021, 269, 113708.	2.0	63
35	Simultaneously enhanced strength and ductility of Al matrix composites through the introduction of intragranular nano-sized graphene nanoplates. <i>Composites Part B: Engineering</i> , 2021, 212, 108700.	5.9	63
36	Revealing the strengthening and toughening mechanisms of Al-CuO composite fabricated via in-situ solid-state reaction. <i>Acta Materialia</i> , 2021, 204, 116524.	3.8	62

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37	A large ultrathin anatase TiO ₂ nanosheet/reduced graphene oxide composite with enhanced lithium storage capability. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8893.	5.2	56
38	Yolk-shelled Sb@C nanoconfined nitrogen/sulfur co-doped 3D porous carbon microspheres for sodium-ion battery anode with ultralong high-rate cycling. <i>Nano Energy</i> , 2019, 66, 104133.	8.2	56
39	Fabrication of Nanocarbon Composites Using In Situ Chemical Vapor Deposition and Their Applications. <i>Advanced Materials</i> , 2015, 27, 5422-5431.	11.1	55
40	Chemical taxonomy of tree peony species from China based on root cortex metabolic fingerprinting. <i>Phytochemistry</i> , 2014, 107, 69-79.	1.4	53
41	N-Doped Porous Carbon Nanofibers/Porous Silver Network Hybrid for High-Rate Supercapacitor Electrode. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30832-30839.	4.0	53
42	Effect of Ni, Fe and Fe-Ni alloy catalysts on the synthesis of metal contained carbon nano-onions and studies of their electrochemical hydrogen storage properties. <i>Journal of Energy Chemistry</i> , 2014, 23, 324-330.	7.1	50
43	Comparative Genome Analysis of <i>Scutellaria baicalensis</i> and <i>Scutellaria barbata</i> Reveals the Evolution of Active Flavonoid Biosynthesis. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 230-240.	3.0	49
44	Heterostructure Engineering of Core-Shell Sb@Sb ₂ O ₃ Encapsulated in 3D N-Doped Carbon Hollow Spheres for Superior Sodium/Potassium Storage. <i>Small</i> , 2021, 17, e2006824.	5.2	49
45	Investigation of free amino acid, total phenolics, antioxidant activity and purine alkaloids to assess the health properties of non-Camellia tea. <i>Acta Pharmaceutica Sinica B</i> , 2016, 6, 170-181.	5.7	48
46	In situ synthesis of a gamma-Al ₂ O ₃ whisker reinforced aluminium matrix composite by cold pressing and sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 709, 223-231.	2.6	48
47	Electronic reconfiguration of Co ₂ P induced by Cu doping enhancing oxygen reduction reaction activity in zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21232-21243.	5.2	46
48	Enhanced Hydrogen Evolution Reaction Performance of NiCo ₂ P by Filling Oxygen Vacancies by Phosphorus in Thin-Coating CeO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32460-32468.	4.0	46
49	Carbon-coated Fe ₂ O ₃ nanocrystals with enhanced lithium storage capability. <i>Applied Surface Science</i> , 2015, 347, 178-185.	3.1	45
50	In situ synthesis of high content graphene nanoplatelets reinforced Cu matrix composites with enhanced thermal conductivity and tensile strength. <i>Powder Technology</i> , 2020, 362, 126-134.	2.1	44
51	In-situ Al ₂ O ₃ -Al interface contribution towards the strength-ductility synergy of Al-CuO composite fabricated by solid-state reactive sintering. <i>Scripta Materialia</i> , 2021, 198, 113825.	2.6	44
52	Synthesis of uniform and superparamagnetic Fe ₃ O ₄ nanocrystals embedded in a porous carbon matrix for a superior lithium ion battery anode. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11011.	5.2	42
53	Space-Confined Synthesis of Three-Dimensional Boron/Nitrogen-Doped Carbon Nanotubes/Carbon Nanosheets Line-in-Wall Hybrids and Their Electrochemical Energy Storage Applications. <i>Electrochimica Acta</i> , 2016, 212, 621-629.	2.6	42
54	Sandwiched graphene inserted with graphene-encapsulated yolk-shell Fe ₃ -Fe ₂ O ₃ nanoparticles for efficient lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7035-7042.	5.2	42

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55	ZnO nanoconfined 3D porous carbon composite microspheres to stabilize lithium nucleation/growth for high-performance lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19442-19452.	5.2	42
56	An in-plane Co ₉ S ₈ @MoS ₂ heterostructure for the hydrogen evolution reaction in alkaline media. <i>Nanoscale</i> , 2019, 11, 21479-21486.	2.8	42
57	Graphene Oxide-Assisted Synthesis of Microsized Ultrathin Single-Crystalline Anatase TiO ₂ Nanosheets and Their Application in Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2495-2504.	4.0	40
58	In situ synthesis of copper-modified graphene-reinforced aluminum nanocomposites with balanced strength and ductility. <i>Journal of Materials Science</i> , 2019, 54, 5498-5512.	1.7	40
59	“Ethanol” water exchange nanobubbles templated hierarchical hollow ² -MoC/N-doped carbon composite nanospheres as an efficient hydrogen evolution electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6054-6064.	5.2	39
60	In situ preparation of interconnected networks constructed by using flexible graphene/Sn sandwich nanosheets for high-performance lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23170-23179.	5.2	38
61	Influence of spark plasma sintering temperature on the microstructure and strengthening mechanisms of discontinuous three-dimensional graphene-like network reinforced Cu matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 756, 82-91.	2.6	38
62	Bio-inspired three-dimensional carbon network with enhanced mass-transfer ability for supercapacitors. <i>Carbon</i> , 2019, 143, 728-735.	5.4	38
63	Ball-in-cage nanocomposites of metal-organic frameworks and three-dimensional carbon networks: synthesis and capacitive performance. <i>Nanoscale</i> , 2017, 9, 6478-6485.	2.8	37
64	Synthesis of three-dimensional carbon networks decorated with Fe ₃ O ₄ nanoparticles as lightweight and broadband electromagnetic wave absorber. <i>Journal of Alloys and Compounds</i> , 2019, 776, 691-701.	2.8	36
65	Strongly coupled hollow-oxide/phosphide hybrid coated with nitrogen-doped carbon as highly efficient electrocatalysts in alkaline for hydrogen evolution reaction. <i>Journal of Catalysis</i> , 2019, 377, 582-588.	3.1	35
66	Enhanced mechanical properties and electrical conductivity of graphene nanoplatelets/Cu composites by in situ formation of Mo ₂ C nanoparticles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 766, 138365.	2.6	35
67	Three-dimensionally hierarchical Co ₃ O ₄ /Carbon composites with high pseudocapacitance contribution for enhancing lithium storage. <i>Electrochimica Acta</i> , 2018, 283, 1269-1276.	2.6	34
68	Synergistic strengthening effect of in-situ synthesized WC _{1-x} nanoparticles and graphene nanosheets in copper matrix composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 133, 105891.	3.8	34
69	One-step synthesis of SnCo nanoconfined in hierarchical carbon nanostructures for lithium ion battery anode. <i>Nanoscale</i> , 2017, 9, 15856-15864.	2.8	33
70	Nitrogen-doped graphene network supported copper nanoparticles encapsulated with graphene shells for surface-enhanced Raman scattering. <i>Nanoscale</i> , 2015, 7, 17079-17087.	2.8	32
71	In situ synthesized Li ₂ S@porous carbon cathode for graphite/Li ₂ S full cells using ether-based electrolyte. <i>Electrochimica Acta</i> , 2017, 256, 348-356.	2.6	32
72	Comparative and Phylogenetic Analysis of the Complete Chloroplast Genomes of Three Paeonia Section Moutan Species (Paeoniaceae). <i>Frontiers in Genetics</i> , 2020, 11, 980.	1.1	32

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73	Comprehensive performance regulation of Cu matrix composites with graphene nanoplatelets in situ encapsulated Al ₂ O ₃ nanoparticles as reinforcement. <i>Carbon</i> , 2022, 188, 81-94.	5.4	32
74	Achieving prominent strengthening efficiency of graphene nanosheets in Al matrix composites by hybrid deformation. <i>Carbon</i> , 2021, 183, 530-545.	5.4	30
75	Architected interfacial interlocking structure for enhancing mechanical properties of Al matrix composites reinforced with graphene nanosheets. <i>Carbon</i> , 2021, 183, 685-701.	5.4	30
76	Microstructural evolution in Al-Zn-Mg-Cu-Sc-Zr alloys during short-time homogenization. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2015, 22, 516-523.	2.4	29
77	Protective effects of marein on high glucose-induced glucose metabolic disorder in HepG2 cells. <i>Phytomedicine</i> , 2016, 23, 891-900.	2.3	29
78	Effect of SiC nanoparticles on the precipitation behavior and mechanical properties of 7075Al alloy. <i>Journal of Materials Science</i> , 2020, 55, 6145-6160.	1.7	29
79	In situ fabrication of Ni(OH) ₂ /Cu ₂ O nanosheets on nanoporous NiCu alloy for high performance supercapacitor. <i>Electrochimica Acta</i> , 2018, 283, 970-978.	2.6	28
80	Engineering Pocket-Like Graphene Shell Encapsulated FeS ₂ : Inhibiting Polysulfides Shuttle Effect in Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	28
81	Carbon-coated Ni ₃ Sn ₂ nanoparticles embedded in porous carbon nanosheets as a lithium ion battery anode with outstanding cycling stability. <i>RSC Advances</i> , 2014, 4, 49247-49256.	1.7	27
82	Three-dimensional porous bowl-shaped carbon cages interspersed with carbon coated Ni-Sn alloy nanoparticles as anode materials for high-performance lithium-ion batteries. <i>New Journal of Chemistry</i> , 2017, 41, 393-402.	1.4	26
83	High-strength graphene network reinforced copper matrix composites achieved by architecture design and grain structure regulation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 762, 138063.	2.6	26
84	Ultralight metal foams. <i>Scientific Reports</i> , 2015, 5, 13825.	1.6	25
85	Preparation of Fe ₃ O ₄ /rebar graphene composite via solvothermal route as binder free anode for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2016, 661, 448-454.	2.8	25
86	In-situ synthesis of CNTs@Al ₂ O ₃ wrapped structure in aluminum matrix composites with balanced strength and toughness. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 797, 140058.	2.6	25
87	Understanding the Electrochemical Properties of Li-Rich Cathode Materials from First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28749-28756.	1.5	24
88	Orientation Relationships and Interface Structure in MgAl ₂ O ₄ and MgAl ₂ Si ₂ O ₇ Co-Reinforced Al Matrix Composites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42790-42800.	4.0	24
89	Synergistic effect of Cu on laminated graphene nanosheets/AlCu composites with enhanced mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 742, 201-210.	2.6	24
90	Exceptional mechanical properties of aluminum matrix composites with heterogeneous structure induced by in-situ graphene nanosheet-Cu hybrids. <i>Composites Part B: Engineering</i> , 2022, 234, 109731.	5.9	24

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91	Smart hybridization of Sn ₂ Nb ₂ O ₇ /SnO ₂ @3D carbon nanocomposites with enhanced sodium storage performance through self-buffering effects. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13052-13061.	5.2	23
92	Boron doping effect on the interface interaction and mechanical properties of graphene reinforced copper matrix composite. <i>Applied Surface Science</i> , 2017, 425, 811-822.	3.1	23
93	Nitrogen and oxygen co-doped 3D nanoporous duct-like graphene@carbon nano-cage hybrid films for high-performance multi-style supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18535-18541.	5.2	22
94	Compressive responses and strengthening mechanisms of aluminum composite foams reinforced with graphene nanosheets. <i>Carbon</i> , 2019, 153, 396-406.	5.4	22
95	Bismuth-antimony alloy nanoparticles encapsulated in 3D carbon framework: Synergistic effect for enhancing interfacial potassium storage. <i>Chemical Engineering Journal</i> , 2022, 430, 132906.	6.6	20
96	Comparative and phylogenetic analyses of the chloroplast genomes of species of Paeoniaceae. <i>Scientific Reports</i> , 2021, 11, 14643.	1.6	19
97	In-situ synthesis of MgAlB ₄ whiskers as a promising reinforcement for aluminum matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 764, 138229.	2.6	17
98	Screening of acetylcholinesterase inhibitors and characterizing of phytochemical constituents from <i>Dichocarpum auriculatum</i> (Franch.) W.T. Wang & P. K. Hsiao through UPLC-MS combined with an acetylcholinesterase inhibition assay in vitro. <i>Journal of Ethnopharmacology</i> , 2019, 245, 112185.	2.0	17
99	Synthesis of novel carbon nano-chains and their application as supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16268-16275.	5.2	16
100	Compression-compression fatigue performance of aluminium matrix composite foams reinforced by carbon nanotubes. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 744-756.	1.7	16
101	Graphite Carbon Nanosheet-Coated Cobalt-Doped Molybdenum Carbide Nanoparticles for Efficient Alkaline Hydrogen Evolution Reaction. <i>ACS Applied Nano Materials</i> , 2021, 4, 372-380.	2.4	16
102	Effect of GNPs on microstructures and mechanical properties of GNPs/Al-Cu composites with different heat treatment status. <i>Journal of Materials Science and Technology</i> , 2021, 92, 1-10.	5.6	16
103	Synthesis of 2D/3D carbon hybrids by heterogeneous space-confined effect for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19175-19183.	5.2	15
104	Dopant-Modulating Mechanism of Lithium Adsorption and Diffusion at the Graphene/Li ₂ S Interface. <i>Physical Review Applied</i> , 2018, 9, .	1.5	15
105	Fabrication of Sn-core/CNT-shell nanocable anchored interconnected carbon networks as anode material for lithium ion batteries. <i>Materials Letters</i> , 2018, 212, 94-97.	1.3	15
106	Comprehensive metabolic profile analysis of the root bark of different species of tree peonies (<i>Paeonia</i> Sect. <i>Moutan</i>). <i>Phytochemistry</i> , 2019, 163, 118-125.	1.4	15
107	Recent Developments of Antimony-Based Anodes for Sodium- and Potassium-Ion Batteries. <i>Transactions of Tianjin University</i> , 2022, 28, 6-32.	3.3	14
108	Manipulating mechanical properties of graphene/Al composites by an in-situ synthesized hybrid reinforcement strategy. <i>Journal of Materials Science and Technology</i> , 2022, 123, 13-25.	5.6	14

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109	Preparation and mechanical properties of in-situ synthesized nano-MgAl ₂ O ₄ particles and Mg _x Al _(1-x) B ₂ whiskers co-reinforced Al matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 735, 236-242.	2.6	13
110	Microstructural characteristic and mechanical properties of the in-situ MgAl ₂ O ₄ reinforced Al matrix composite based on Al-Mg-ZnO system. <i>Journal of Alloys and Compounds</i> , 2022, 891, 161991.	2.8	13
111	Octopus-Inspired Design of Apical NiS ₂ Nanoparticles Supported on Hierarchical Carbon Composites as an Efficient Host for Lithium Sulfur Batteries with High Sulfur Loading. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17528-17537.	4.0	12
112	Unraveling the mechanism of hydrogen evolution reaction on cobalt compound electrocatalysts. <i>Applied Surface Science</i> , 2021, 550, 149355.	3.1	12
113	Interface modulation mechanism of alloying elements on the interface interaction and mechanical properties of graphene/copper composites. <i>Applied Surface Science</i> , 2022, 571, 151314.	3.1	12
114	Simultaneously optimizing pore morphology and enhancing mechanical properties of Al-Si alloy composite foams by graphene nanosheets. <i>Journal of Materials Science and Technology</i> , 2022, 101, 60-70.	5.6	12
115	High strength-ductility synergy of MgAlB ₄ whisker reinforced aluminum matrix composites achieved by in situ synthesis. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 799, 140127.	2.6	11
116	Ultrafine Fe ₃ N nanocrystals coupled with N doped 3D porous carbon networks induced atomically dispersed Fe for superior sodium ion storage. <i>Carbon</i> , 2022, 196, 795-806.	5.4	11
117	Simultaneously enhanced mechanical properties and electrical property of Cu-2 wt% Ag alloy matrix composites with analogy-bicontinuous structures constructed via in-situ synthesized graphene nanoplatelets. <i>Carbon</i> , 2022, 198, 207-218.	5.4	11
118	SIMULTANEOUS DETERMINATION OF TEN STILBENES IN THE SEEDS OF PAEONIA SPECIES USING HPLC-DAD. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 1708-1724.	0.5	10
119	Self-anchored catalysts for substrate-free synthesis of metal-encapsulated carbon nano-onions and study of their magnetic properties. <i>Nano Research</i> , 2016, 9, 1159-1172.	5.8	10
120	Crushing behavior and energy absorption property of carbon nanotube-reinforced aluminum composite foam-filled 6061 aluminum alloy tubes. <i>Journal of Materials Science</i> , 2020, 55, 7910-7926.	1.7	10
121	Copper-Coated Graphene Nanoplatelets-Reinforced Al-Si Alloy Matrix Composites Fabricated by Stir Casting Method. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 111-124.	1.5	10
122	Adsorption of hydrogen atoms on graphene with TiO ₂ decoration. <i>Journal of Applied Physics</i> , 2013, 113, 153708.	1.1	9
123	Fabrication of Carbon Nanotube-Reinforced 6061Al Alloy Matrix Composites by an In Situ Synthesis Method Combined with Hot Extrusion Technique. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 188-198.	1.5	9
124	Synergistic strengthening effect of alumina anchored graphene nanosheets hybrid structure in aluminum matrix composites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 640-649.	1.0	9
125	A Chemical-Adsorption Strategy to Enhance the Reaction Kinetics of Lithium-Rich Layered Cathodes via Double-Shell Surface Modification. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24594-24602.	4.0	8
126	Data-driven design and controllable synthesis of Pt/carbon electrocatalysts for H ₂ evolution. <i>IScience</i> , 2021, 24, 103430.	1.9	8

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127	Assembly Multifunctional Three-Dimensional Carbon Networks by Controlling Intermolecular Forces. ACS Applied Materials & Interfaces, 2018, 10, 36284-36289.	4.0	7
128	Cu Atoms-assisted rapid fabrication of graphene/Al composites with tailored strain-delocalization effect by spark plasma sintering. Materials Research Letters, 2022, 10, 567-574.	4.1	7
129	Enhanced interface interaction between modified carbon nanotubes and magnesium matrix. Composite Interfaces, 2018, 25, 1101-1114.	1.3	6
130	Interface bonding and mechanical properties of copper/graphene interface doped with rare earth elements: First principles calculations. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 142, 115260.	1.3	6
131	Utilizing an Oxygen-Rich Interface by Hydroxyapatite to Regulate the Linear Diffusion for the Stable Solid-State Electrolytes. ACS Applied Materials & Interfaces, 2022, 14, 33392-33399.	4.0	6
132	Effect of Ti/Sc atom ratio on heterogeneous nuclei, microstructure and mechanical properties of A357-0.033Sr alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 671, 275-287.	2.6	5
133	W Clusters <i>in Situ</i> Assisted Synthesis of Layered Carbon Nanotube Arrays on Graphene Achieving High-Rate Performance. ACS Applied Materials & Interfaces, 2021, 13, 19117-19127.	4.0	5
134	Microstructure evolution and tensile behavior of MgAlB ₄ w/Al composites at high temperatures. Journal of Alloys and Compounds, 2021, 884, 161088.	2.8	5
135	Compressive Response and Energy Absorption Characteristics of In Situ Grown CNTs Reinforced Al Composite Foams. Advanced Engineering Materials, 2017, 19, 1700431.	1.6	4
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