

# Chun-Sheng Shi

## List of Publications by Year in descending order

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213  
papers

10,947  
citations

34105

52  
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39675

94  
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216  
all docs

216  
docs citations

216  
times ranked

11623  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon-Encapsulated Fe <sub>3</sub> O <sub>4</sub> Nanoparticles as a High-Rate Lithium Ion Battery Anode Material. ACS Nano, 2013, 7, 4459-4469.	14.6	937
2	Graphene Networks Anchored with Sn@Graphene as Lithium Ion Battery Anode. ACS Nano, 2014, 8, 1728-1738.	14.6	615
3	2D Space-Confined Synthesis of Few-Layer MoS <sub>2</sub> Anchored on Carbon Nanosheet for Lithium-Ion Battery Anode. ACS Nano, 2015, 9, 3837-3848.	14.6	552
4	Ultrathin Nanosheet-Induced Synthesis of 3D Transition Metal Oxides Networks for Lithium Ion Battery Anodes. Advanced Functional Materials, 2017, 27, 1605017.	14.9	284
5	Thermal decomposition-reduced layer-by-layer nitrogen-doped graphene/MoS <sub>2</sub> /nitrogen-doped graphene heterostructure for promising lithium-ion batteries. Nano Energy, 2017, 41, 154-163.	16.0	191
6	Porous MoS <sub>2</sub> /Carbon Spheres Anchored on 3D Interconnected Multiwall Carbon Nanotube Networks for Ultrafast Na Storage. Advanced Energy Materials, 2018, 8, 1702909.	19.5	190
7	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.	21.0	183
8	A nanosized SnSb alloy confined in N-doped 3D porous carbon coupled with ether-based electrolytes toward high-performance potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 14309-14318.	10.3	157
9	CeO <sub>x</sub> -Decorated NiFe-Layered Double Hydroxide for Efficient Alkaline Hydrogen Evolution by Oxygen Vacancy Engineering. ACS Applied Materials & Interfaces, 2018, 10, 35145-35153.	8.0	156
10	Rational design of Co <sub>9</sub> S <sub>8</sub> /CoO heterostructures with well-defined interfaces for lithium sulfur batteries: A study of synergistic adsorption-electrocatalysis function. Nano Energy, 2019, 60, 332-339.	16.0	156
11	N-Doped Graphene Modified 3D Porous Cu Current Collector toward Microscale Homogeneous Li Deposition for Li Metal Anodes. Advanced Energy Materials, 2018, 8, 1800914.	19.5	155
12	Porous Graphitic Carbon Nanosheets as a High-Rate Anode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 9537-9545.	8.0	154
13	2D sandwich-like carbon-coated ultrathin TiO <sub>2</sub> @defect-rich MoS <sub>2</sub> hybrid nanosheets: Synergistic-effect-promoted electrochemical performance for lithium ion batteries. Nano Energy, 2016, 26, 541-549.	16.0	146
14	A powder-metallurgy-based strategy toward three-dimensional graphene-like network for reinforcing copper matrix composites. Nature Communications, 2020, 11, 2775.	12.8	137
15	Controllable graphene incorporation and defect engineering in MoS <sub>2</sub> -TiO <sub>2</sub> based composites: Towards high-performance lithium-ion batteries anode materials. Nano Energy, 2017, 33, 247-256.	16.0	130
16	Fabrication of in-situ grown graphene reinforced Cu matrix composites. Scientific Reports, 2016, 6, 19363.	3.3	126
17	Achieving high strength and high ductility in metal matrix composites reinforced with a discontinuous three-dimensional graphene-like network. Nanoscale, 2017, 9, 11929-11938.	5.6	126
18	Effect of minor Sc and Zr on recrystallization behavior and mechanical properties of novel Al-Zn-Mg-Cu alloys. Journal of Alloys and Compounds, 2016, 657, 717-725.	5.5	125

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19	Effect of carbon nanotube (CNT) content on the properties of in-situ synthesis CNT reinforced Al composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 660, 11-18.	5.6	121
20	Designed synthesis of NiCo-LDH and derived sulfide on heteroatom-doped edge-enriched 3D rivet graphene films for high-performance asymmetric supercapacitor and efficient OER. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8109-8119.	10.3	121
21	Metal-organic frameworks-derived honeycomb-like Co <sub>3</sub> O <sub>4</sub> /three-dimensional graphene networks/Ni foam hybrid as a binder-free electrode for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 693, 16-24.	5.5	120
22	Mo <sub>2</sub> C coating on diamond: Different effects on thermal conductivity of diamond/Al and diamond/Cu composites. <i>Applied Surface Science</i> , 2017, 402, 372-383.	6.1	117
23	In-situ synthesis of graphene decorated with nickel nanoparticles for fabricating reinforced 6061Al matrix composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 699, 185-193.	5.6	108
24	Sandwiched C@SnO <sub>2</sub> @C hollow nanostructures as an ultralong-lifespan high-rate anode material for lithium-ion and sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10946-10956.	10.3	107
25	Capacitance controlled, hierarchical porous 3D ultra-thin carbon networks reinforced prussian blue for high performance Na-ion battery cathode. <i>Nano Energy</i> , 2019, 58, 192-201.	16.0	100
26	Free-Standing Porous Carbon Nanofiber/Ultrathin Graphite Hybrid for Flexible Solid-State Supercapacitors. <i>ACS Nano</i> , 2015, 9, 481-487.	14.6	99
27	Effect of Interface Structure on the Mechanical Properties of Graphene Nanosheets Reinforced Copper Matrix Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 37586-37601.	8.0	99
28	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.	10.3	98
29	Salt-template-assisted synthesis of robust 3D honeycomb-like structured MoS <sub>2</sub> and its application as a lithium-ion battery anode. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8734-8741.	10.3	96
30	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 &amp; Interfaces</i> , 2016, 8, 11720-11728.	8.0	93
31	Preparation of reduced graphene oxide/Fe <sub>3</sub> O <sub>4</sub> nanocomposite and its microwave electromagnetic properties. <i>Materials Letters</i> , 2013, 91, 209-212.	2.6	92
32	Fabrication of carbon nanotube reinforced Al composites with well-balanced strength and ductility. <i>Journal of Alloys and Compounds</i> , 2013, 563, 216-220.	5.5	89
33	Facile synthesis of 3D few-layered MoS <sub>2</sub> coated TiO <sub>2</sub> nanosheet core-shell nanostructures for stable and high-performance lithium-ion batteries. <i>Nanoscale</i> , 2015, 7, 12895-12905.	5.6	85
34	Artificial neural network enabled capacitance prediction for carbon-based supercapacitors. <i>Materials Letters</i> , 2018, 233, 294-297.	2.6	81
35	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.	7.6	76
36	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.	10.3	72

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37	First-principles study of protonic conduction in In-doped AZrO <sub>3</sub> (A=Ca, Sr, Ba). <i>Solid State Ionics</i> , 2005, 176, 1091-1096.	2.7	70
38	In-situ organic SEI layer for dendrite-free lithium metal anode. <i>Energy Storage Materials</i> , 2020, 27, 69-77.	18.0	70
39	Free-standing 3D Nanoporous Duct-like and Hierarchical Nanoporous Graphene Films for Micron-level Flexible Solid-state Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2016, 6, 1600755.	19.5	66
40	Anomalous Interfacial Lithium Storage in Graphene/TiO <sub>2</sub> for Lithium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 18147-18151.	8.0	65
41	Monodisperse multicore-shell SnSb@SnO <sub>x</sub> /SbO <sub>x</sub> @C nanoparticles space-confined in 3D porous carbon networks as high-performance anode for Li-ion and Na-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 371, 356-365.	12.7	65
42	In situ synthesis of CNTs in Mg powder at low temperature for fabricating reinforced Mg composites. <i>Journal of Alloys and Compounds</i> , 2013, 551, 496-501.	5.5	62
43	Revealing the strengthening and toughening mechanisms of Al-CuO composite fabricated via in-situ solid-state reaction. <i>Acta Materialia</i> , 2021, 204, 116524.	7.9	62
44	Enhanced electrochemical hydrogen storage capacity of multi-walled carbon nanotubes by TiO <sub>2</sub> decoration. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 6739-6743.	7.1	60
45	Constructing N-Doped porous carbon confined FeSb alloy nanocomposite with Fe-N-C coordination as a universal anode for advanced Na/K-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 384, 123327.	12.7	60
46	Low-temperature synthesis of carbon onions by chemical vapor deposition using a nickel catalyst supported on aluminum. <i>Scripta Materialia</i> , 2006, 54, 689-693.	5.2	59
47	Synthesis of uniformly dispersed carbon nanotube reinforcement in Al powder for preparing reinforced Al composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011, 42, 1833-1839.	7.6	56
48	Electrochemical hydrogen storage of expanded graphite decorated with TiO <sub>2</sub> nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 5762-5768.	7.1	56
49	A large ultrathin anatase TiO <sub>2</sub> nanosheet/reduced graphene oxide composite with enhanced lithium storage capability. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8893.	10.3	56
50	Continuously hierarchical nanoporous graphene film for flexible solid-state supercapacitors with excellent performance. <i>Nano Energy</i> , 2016, 24, 158-164.	16.0	56
51	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.	16.0	56
52	Fabrication of Nanocarbon Composites Using In Situ Chemical Vapor Deposition and Their Applications. <i>Advanced Materials</i> , 2015, 27, 5422-5431.	21.0	55
53	Thermogravimetric analysis and TEM characterization of the oxidation and defect sites of carbon nanotubes synthesized by CVD of methane. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 473, 355-359.	5.6	54
54	Hydrogen spillover storage on Ca-decorated graphene. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11835-11841.	7.1	53

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55	N-Doped Porous Carbon Nanofibers/Porous Silver Network Hybrid for High-Rate Supercapacitor Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 30832-30839.	8.0	53
56	In-situ synthesis of graphene nanosheets coated copper for preparing reinforced aluminum matrix composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 709, 65-71.	5.6	52
57	Microwave absorbing properties of activated carbon fibre polymer composites. <i>Bulletin of Materials Science</i> , 2011, 34, 75-79.	1.7	51
58	Elevated temperature compressive properties and energy absorption response of in-situ grown CNT-reinforced Al composite foams. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 690, 294-302.	5.6	51
59	Facile synthesis and electrochemical properties of continuous porous spheres assembled from defect-rich, interlayer-expanded, and few-layered MoS <sub>2</sub> /C nanosheets for reversible lithium storage. <i>Journal of Power Sources</i> , 2018, 387, 16-23.	7.8	51
60	Effects of anodizing conditions on anodic alumina structure. <i>Journal of Materials Science</i> , 2007, 42, 3878-3882.	3.7	50
61	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.	12.9	50
62	Synergistic effect of CNTs reinforcement and precipitation hardening in in-situ CNTs/Al-Cu composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 633, 103-111.	5.6	50
63	Heterostructure Engineering of Core-Shell Sb@Sb <sub>2</sub> O <sub>3</sub> Encapsulated in 3D N-Doped Carbon Hollow Spheres for Superior Sodium/Potassium Storage. <i>Small</i> , 2021, 17, e2006824.	10.0	49
64	In situ synthesis of a gamma-Al <sub>2</sub> O <sub>3</sub> whisker reinforced aluminium matrix composite by cold pressing and sintering. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 709, 223-231.	5.6	48
65	In-situ grown CNTs modified SiO <sub>2</sub> /C composites as anode with improved cycling stability and rate capability for lithium storage. <i>Applied Surface Science</i> , 2018, 433, 428-436.	6.1	47
66	Ultrafine SnO <sub>2</sub> nanoparticles encapsulated in 3D porous carbon as a high-performance anode material for potassium-ion batteries. <i>Journal of Power Sources</i> , 2019, 441, 227191.	7.8	47
67	A novel approach to obtain in-situ growth carbon nanotube reinforced aluminum foams with enhanced properties. <i>Materials Letters</i> , 2015, 161, 763-766.	2.6	46
68	Electronic reconfiguration of Co <sub>2</sub> 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.	10.3	46
69	Enhanced Hydrogen Evolution Reaction Performance of NiCo <sub>2</sub> P by Filling Oxygen Vacancies by Phosphorus in Thin-Coating CeO <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 32460-32468.	8.0	46
70	NiO nanotubes assembled in pores of porous anodic alumina and their optical absorption properties. <i>Chemical Physics Letters</i> , 2008, 454, 75-79.	2.6	44
71	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.	4.2	44
72	In-situ Al <sub>2</sub> O <sub>3</sub> -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.	5.2	44

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73	Spatially uniform Li deposition realized by 3D continuous duct-like graphene host for high energy density Li metal anode. <i>Carbon</i> , 2020, 161, 198-205.	10.3	43
74	Bamboo-shaped carbon nanotubes produced by catalytic decomposition of methane over nickel nanoparticles supported on aluminum. <i>Journal of Alloys and Compounds</i> , 2007, 428, 79-83.	5.5	42
75	Synthesis of carbon nanotubes and carbon onions by CVD using a Ni/Y catalyst supported on copper. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 475, 136-140.	5.6	42
76	Synthesis of uniform and superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanocrystals embedded in a porous carbon matrix for a superior lithium ion battery anode. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11011.	10.3	42
77	Compressive properties and energy absorption of aluminum composite foams reinforced by in-situ generated MgAl <sub>2</sub> O <sub>4</sub> whiskers. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 645, 1-7.	5.6	42
78	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.	5.2	42
79	Sandwiched graphene inserted with graphene-encapsulated yolk-shell Fe <sub>3</sub> O <sub>4</sub> nanoparticles for efficient lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7035-7042.	10.3	42
80	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.	10.3	42
81	An in-plane Co <sub>9</sub> S <sub>8</sub> @MoS <sub>2</sub> heterostructure for the hydrogen evolution reaction in alkaline media. <i>Nanoscale</i> , 2019, 11, 21479-21486.	5.6	42
82	Adhesion, bonding and mechanical properties of Mo doped diamond/Al (Cu) interfaces: A first principles study. <i>Applied Surface Science</i> , 2020, 527, 146817.	6.1	41
83	Graphene Oxide-Assisted Synthesis of Microsized Ultrathin Single-Crystalline Anatase TiO <sub>2</sub> Nanosheets and Their Application in Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2495-2504.	8.0	40
84	Interface and Doping Effects on Li Ion Storage Behavior of Graphene/Li <sub>2</sub> O. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19559-19567.	3.1	40
85	Formation of the orientation relationship-dependent interfacial carbide in Al matrix composite affected by architected carbon nanotube. <i>Acta Materialia</i> , 2022, 228, 117758.	7.9	40
86	“Ethanol-water exchange” nanobubbles templated hierarchical hollow Mo <sub>2</sub> C/N-doped carbon composite nanospheres as an efficient hydrogen evolution electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6054-6064.	10.3	39
87	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.	10.3	38
88	Bio-inspired three-dimensional carbon network with enhanced mass-transfer ability for supercapacitors. <i>Carbon</i> , 2019, 143, 728-735.	10.3	38
89	Synthesis of SiO <sub>2</sub> /3D porous carbon composite as anode material with enhanced lithium storage performance. <i>Chemical Physics Letters</i> , 2016, 651, 19-23.	2.6	37
90	Ball-in-cage nanocomposites of metal-organic frameworks and three-dimensional carbon networks: synthesis and capacitive performance. <i>Nanoscale</i> , 2017, 9, 6478-6485.	5.6	37



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91	Synthesis and growth mechanism of metal filled carbon nanostructures by CVD using Ni/Y catalyst supported on copper. <i>Journal of Alloys and Compounds</i> , 2008, 456, 290-296.	5.5	36
92	Synthesis of three-dimensional carbon networks decorated with Fe <sub>3</sub> O <sub>4</sub> nanoparticles as lightweight and broadband electromagnetic wave absorber. <i>Journal of Alloys and Compounds</i> , 2019, 776, 691-701.	5.5	36
93	Phosphorus doping of 3D structural MoS <sub>2</sub> to promote catalytic activity for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2022, 431, 133923.	12.7	36
94	Damping characteristics of Al matrix composite foams reinforced by in-situ grown carbon nanotubes. <i>Materials Letters</i> , 2017, 209, 68-70.	2.6	35
95	Enhanced mechanical properties and electrical conductivity of graphene nanoplatelets/Cu composites by in situ formation of Mo <sub>2</sub> C nanoparticles. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 766, 138365.	5.6	35
96	Towards strength-ductility synergy with favorable strengthening effect through the formation of a quasi-continuous graphene nanosheets coated Ni structure in aluminum matrix composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 748, 52-58.	5.6	35
97	Nitrogen-doped graphene network supported copper nanoparticles encapsulated with graphene shells for surface-enhanced Raman scattering. <i>Nanoscale</i> , 2015, 7, 17079-17087.	5.6	32
98	In situ synthesized Li <sub>2</sub> S@porous carbon cathode for graphite/Li <sub>2</sub> S full cells using ether-based electrolyte. <i>Electrochimica Acta</i> , 2017, 256, 348-356.	5.2	32
99	In-situ fabrication of nano-sized TiO <sub>2</sub> reinforced Cu matrix composites with well-balanced mechanical properties and electrical conductivity. <i>Powder Technology</i> , 2017, 321, 66-73.	4.2	32
100	Design of conical hollow ZnS arrays vertically grown on carbon fibers for lightweight and broadband flexible absorbers. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1287-1299.	9.4	32
101	Comprehensive performance regulation of Cu matrix composites with graphene nanoplatelets in situ encapsulated Al <sub>2</sub> O <sub>3</sub> nanoparticles as reinforcement. <i>Carbon</i> , 2022, 188, 81-94.	10.3	32
102	Fabrication of aluminum matrix composites with enhanced mechanical properties reinforced by in situ generated MgAl <sub>2</sub> O <sub>4</sub> whiskers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 631-634.	7.6	31
103	Synthesis of carbon nanostructures with different morphologies by CVD of methane. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 460-461, 255-260.	5.6	30
104	Achieving highly dispersed nanofibres at high loading in carbon nanofibre-metal composites. <i>Nanotechnology</i> , 2009, 20, 235607.	2.6	30
105	Achieving prominent strengthening efficiency of graphene nanosheets in Al matrix composites by hybrid deformation. <i>Carbon</i> , 2021, 183, 530-545.	10.3	30
106	Microstructure and properties of in situ generated MgAl <sub>2</sub> O <sub>4</sub> spinel whisker reinforced aluminum matrix composites. <i>Materials &amp; Design</i> , 2013, 46, 724-730.	5.1	29
107	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.	4.9	29
108	Effect of Hydrogen Molecule Dissociation on Hydrogen Storage Capacity of Graphene with Metal Atom Decorated. <i>Journal of Physical Chemistry C</i> , 2014, 118, 839-844.	3.1	28

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109	High strain rate dynamic compressive properties and deformation behavior of Al matrix composite foams reinforced by in-situ grown carbon nanotubes. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 729, 487-495.	5.6	28
110	Engineering Pocket-Like Graphene Shell Encapsulated FeS <sub>2</sub> : Inhibiting Polysulfides Shuttle Effect in Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	28
111	Carbon-coated Ni <sub>3</sub> Sn <sub>2</sub> nanoparticles embedded in porous carbon nanosheets as a lithium ion battery anode with outstanding cycling stability. <i>RSC Advances</i> , 2014, 4, 49247-49256.	3.6	27
112	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.	2.8	26
113	High-strength graphene network reinforced copper matrix composites achieved by architecture design and grain structure regulation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 762, 138063.	5.6	26
114	Ultralight metal foams. <i>Scientific Reports</i> , 2015, 5, 13825.	3.3	25
115	Activated Carbon Nanochains with Tailored Micro-Meso Pore Structures and Their Application for Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21810-21817.	3.1	25
116	Preparation of Fe <sub>3</sub> O <sub>4</sub> /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.	5.5	25
117	Carbon and few-layer MoS <sub>2</sub> nanosheets co-modified TiO <sub>2</sub> nanosheets with enhanced electrochemical properties for lithium storage. <i>Rare Metals</i> , 2018, 37, 107-117.	7.1	25
118	Ultrafine Ni(OH) <sub>2</sub> nanoneedles on N-doped 3D rivet graphene film for high-performance asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 783, 625-632.	5.5	25
119	In-situ synthesis of CNTs@Al <sub>2</sub> O <sub>3</sub> wrapped structure in aluminum matrix composites with balanced strength and toughness. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 797, 140058.	5.6	25
120	Effect of rare metal element interfacial modulation in graphene/Cu composite with high strength, high ductility and good electrical conductivity. <i>Applied Surface Science</i> , 2020, 533, 147489.	6.1	25
121	Understanding the Electrochemical Properties of Li-Rich Cathode Materials from First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28749-28756.	3.1	24
122	Multi-functional integration of pore P25@C@MoS <sub>2</sub> core-double shell nanostructures as robust ternary anodes with enhanced lithium storage properties. <i>Applied Surface Science</i> , 2017, 401, 232-240.	6.1	24
123	Orientation Relationships and Interface Structure in MgAl <sub>2</sub> O <sub>4</sub> and MgAlB <sub>4</sub> Co-Reinforced Al Matrix Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 42790-42800.	8.0	24
124	Effects of active elements on adhesion of the Al <sub>2</sub> O <sub>3</sub> /Fe interface: A first principles calculation. <i>Computational Materials Science</i> , 2021, 188, 110226.	3.0	24
125	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.	12.0	24
126	Smart hybridization of Sn <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> /SnO <sub>2</sub> @3D carbon nanocomposites with enhanced sodium storage performance through self-buffering effects. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13052-13061.	10.3	23



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127	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.	6.1	23
128	Fabrication of in-situ grown carbon nanotubes reinforced aluminum alloy matrix composite foams based on powder metallurgy method. <i>Materials Letters</i> , 2018, 233, 351-354.	2.6	23
129	ReS <sub>2</sub> nanosheets anchored on rGO as an efficient polysulfides immobilizer and electrocatalyst for Li-S batteries. <i>Applied Surface Science</i> , 2020, 505, 144586.	6.1	23
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