Naiqin Zhao

List of Publications by Year
in descending order

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212	14,121	22153	22832
papers	citations	59 h-index	112 g-index

213	213	213	14819
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Developments of Antimony-Based Anodes for Sodium- and Potassium-Ion Batteries. Transactions of Tianjin University, 2022, 28, 6-32.	6.4	14
2	Simultaneously optimizing pore morphology and enhancing mechanical properties of Al-Si alloy composite foams by graphene nanosheets. Journal of Materials Science and Technology, 2022, 101, 60-70.	10.7	12
3	Microstructural characteristic and mechanical properties of the in-situ MgAl2O4 reinforced Al matrix composite based on Al-Mg-ZnO system. Journal of Alloys and Compounds, 2022, 891, 161991.	5.5	13
4	Grapheneâ€Supported Atomically Dispersed Metals as Bifunctional Catalysts for Nextâ€Generation Batteries Based on Conversion Reactions. Advanced Materials, 2022, 34, e2105812.	21.0	106
5	Bismuth-antimony alloy nanoparticles encapsulated in 3D carbon framework: Synergistic effect for enhancing interfacial potassium storage. Chemical Engineering Journal, 2022, 430, 132906.	12.7	20
6	Comprehensive performance regulation of Cu matrix composites with graphene nanoplatelets in situ encapsulated Al2O3 nanoparticles as reinforcement. Carbon, 2022, 188, 81-94.	10.3	32
7	Highly Active and Durable Singleâ€Atom Tungstenâ€Doped NiS_{0.5}Se_{0.5} Nanosheetâ€š@â€šNiS_{0.5}Se_{0.5} Nanorod Heterostructures for Water Splitting. Advanced Materials, 2022, 34, e2107053.	21.0	136
8	â€œThreeâ€inâ€Oneâ€•Multiâ€Level Design of MoS₂â€Based Anodes for Enhanced Sodium Storage: from Atomic to Macroscopic Level. Advanced Functional Materials, 2022, 32, .	14.9	40
9	Deformation mechanism of copper reinforced by three-dimensional graphene under torsion and tension. Modelling and Simulation in Materials Science and Engineering, 2022, 30, 025004.	2.0	3
10	Designing Electrophilic and Nucleophilic Dual Centers in the ReS₂ Plane toward Efficient Bifunctional Catalysts for Li-CO₂ Batteries. Journal of the American Chemical Society, 2022, 144, 3106-3116.	13.7	93
11	Exceptional mechanical properties of aluminum matrix composites with heterogeneous structure induced by in-situ graphene nanosheet-Cu hybrids. Composites Part B: Engineering, 2022, 234, 109731.	12.0	24
12	Al matrix composites reinforced by in situ synthesized grapheneâ€“Cu hybrid layers: interface control by spark plasma sintering conditions. Journal of Materials Science, 2022, 57, 6266-6281.	3.7	0
13	Interface engineering of MoS2-based ternary hybrids towards reversible conversion of sodium storage. Materials Today Energy, 2022, 26, 100993.	4.7	5
14	Formation of the orientation relationship-dependent interfacial carbide in Al matrix composite affected by architectured carbon nanotube. Acta Materialia, 2022, 228, 117758.	7.9	40
15	Two Birds with One Stone: A NaCl-Assisted Strategy toward MoTe2 Nanosheets Nanoconfined in 3D Porous Carbon Network for Sodium-Ion Battery Anode. Energy Storage Materials, 2022, 47, 591-601.	18.0	23
16	Manipulating mechanical properties of graphene/Al composites by an in-situ synthesized hybrid reinforcement strategy. Journal of Materials Science and Technology, 2022, 123, 13-25.	10.7	14
17	Designing Nanoporous Coralâ€Like Pt Nanowires Architecture for Methanol and Ammonia Oxidation Reactions. Advanced Functional Materials, 2022, 32, .	14.9	27
18	Engineering Pocketâ€Like Grapheneâ€“Shell Encapsulated FeS₂: Inhibiting Polysulfides Shuttle Effect in Potassiumâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	14.9	28

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19	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.	8.7	7
20	NaCl-pinned antimony nanoparticles combined with ion-shuttle-induced graphitized 3D carbon to boost sodium storage. Cell Reports Physical Science, 2022, 3, 100891.	5.6	2
21	Controllable Design of Structural and Mechanical Behaviors of Alâ€“Si Foams by Powder Metallurgy Foaming. Advanced Engineering Materials, 2022, 24, .	3.5	5
22	Single-Atom Cobalt Supported on Nitrogen-Doped Three-Dimensional Carbon Facilitating Polysulfide Conversion in Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2022, 14, 25337-25347.	8.0	20
23	Ultrafine Fe3N nanocrystals coupled with N doped 3D porous carbon networks induced atomically dispersed Fe for superior sodium ion storage. Carbon, 2022, 196, 795-806.	10.3	11
24	Lithiophilic seeds and rigid arrays synergistic induced dendrite-free and stable Li anode towards long-life lithium-oxygen batteries. Journal of Energy Chemistry, 2022, 73, 268-276.	12.9	2
25	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. Carbon, 2022, 198, 207-218.	10.3	11
26	Hydrogen bonding regulation enables indanthrone as a stable and high-rate cathode for lithium-ion batteries. Energy Storage Materials, 2022, 51, 172-180.	18.0	15
27	Copper-Coated Graphene Nanoplatelets-Reinforced Alâ€“Si Alloy Matrix Composites Fabricated by Stir Casting Method. Acta Metallurgica Sinica (English Letters), 2021, 34, 111-124.	2.9	10
28	Heterostructure Engineering of Coreâ€Shelled Sb@Sb₂O₃ Encapsulated in 3D Nâ€Doped Carbon Hollowâ€Spheres for Superior Sodium/Potassium Storage. Small, 2021, 17, e2006824.	10.0	49
29	The synthesis of carbon microspheres film composed of nanoâ€onions and its application as flexible supercapacitors. , 2021, 3, 509-518.		23
30	Efficient Reversible Conversion between MoS₂ and Mo/Na₂S Enabled by Grapheneâ€Supported Single Atom Catalysts. Advanced Materials, 2021, 33, e2007090.	21.0	108
31	Boosting the charge transfer efficiency of metal oxides/carbon nanotubes composites through interfaces control. Journal of Power Sources, 2021, 489, 229501.	7.8	9
32	W Clusters In Situ Assisted Synthesis of Layered Carbon Nanotube Arrays on Graphene Achieving High-Rate Performance. ACS Applied Materials & Interfaces, 2021, 13, 19117-19127.	8.0	5
33	Unraveling the mechanism of hydrogen evolution reaction on cobalt compound electrocatalysts. Applied Surface Science, 2021, 550, 149355.	6.1	12
34	In-situ Al2O3-Al interface contribution towards the strength-ductility synergy of Al-CuO composite fabricated by solid-state reactive sintering. Scripta Materialia, 2021, 198, 113825.	5.2	44
35	Balancing Strength and Ductility in Al Matrix Composites Reinforced by Few-Layered MoS2 through In-Situ Formation of Interfacial Al12Mo. Materials, 2021, 14, 3561.	2.9	2
36	Stress Relaxation Constitutive Relations and Finite Element Analysis of T9A Helical Compression Spring. Materials Transactions, 2021, 62, 962-967.	1.2	2

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37	Enhanced Cyclability of Cr8O21 Cathode for PEO-Based All-Solid-State Lithium-Ion Batteries by Atomic Layer Deposition of Al2O3. Materials, 2021, 14, 5380.	2.9	3
38	Achieving prominent strengthening efficiency of graphene nanosheets in Al matrix composites by hybrid deformation. Carbon, 2021, 183, 530-545.	10.3	30
39	Architectured interfacial interlocking structure for enhancing mechanical properties of Al matrix composites reinforced with graphene nanosheets. Carbon, 2021, 183, 685-701.	10.3	30
40	Lithiophilic Property of Artificial Alkoxides and Mercaptide Layers to Guide Uniform Li Nucleation for Stable Lithium Metal Anodes. Journal of Physical Chemistry C, 2021, 125, 22493-22501.	3.1	3
41	In Situ Internal Strengthened Carbon Nanotube Carpets on Graphene for Anti-Icing Application. ACS Applied Nano Materials, 2021, 4, 10952-10959.	5.0	2
42	Cuâ€“ion induced self-polymerization of Cu phthalocyanine to prepare low-cost organic cathode materials for Li-ion batteries with ultra-high voltage and ultra-fast rate capability. Journal of Materials Chemistry A, 2021, 9, 24915-24921.	10.3	5
43	Data-driven design and controllable synthesis of Pt/carbon electrocatalysts for H2 evolution. IScience, 2021, 24, 103430.	4.1	8
44	ReS2 nanosheets anchored on rGO as an efficient polysulfides immobilizer and electrocatalyst for Li-S batteries. Applied Surface Science, 2020, 505, 144586.	6.1	23
45	Regulation of the Interface Binding and Elastic Properties of SiC/Ti via Dopingâ€Induced Electronic Localization. Physica Status Solidi (B): Basic Research, 2020, 257, 1900163.	1.5	2
46	Compressionâ€compression fatigue performance of aluminium matrix composite foams reinforced by carbon nanotubes. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 744-756.	3.4	16
47	In situ synthesis of high content graphene nanoplatelets reinforced Cu matrix composites with enhanced thermal conductivity and tensile strength. Powder Technology, 2020, 362, 126-134.	4.2	44
48	Microstructure and properties of copper coated graphene nanoplates reinforced Al matrix composites developed by low temperature ball milling. Carbon, 2020, 159, 311-323.	10.3	77
49	Accelerating water dissociation kinetics on Ni3S2 nanosheets by P-induced electronic modulation. Journal of Catalysis, 2020, 381, 493-500.	6.2	37
50	Thermal Shock-Activated Spontaneous Growing of Nanosheets for Overall Water Splitting. Nano-Micro Letters, 2020, 12, 162.	27.0	59
51	In-situ synthesis of CNTs@Al2O3 wrapped structure in aluminum matrix composites with balanced strength and toughness. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 797, 140058.	5.6	25
52	1000 at 1000: Particulate-reinforced metal matrix composites. Journal of Materials Science, 2020, 55, 16059-16062.	3.7	3
53	Dislocationâ€Strained IrNi Alloy Nanoparticles Driven by Thermal Shock for the Hydrogen Evolution Reaction. Advanced Materials, 2020, 32, e2006034.	21.0	148
54	A Powder Metallurgic Approach toward Highâ€Performance Lithium Metal Anodes. Small, 2020, 16, e2000794.	10.0	22

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55	A N, O co-doped hierarchical carbon cathode for high-performance Zn-ion hybrid supercapacitors with enhanced pseudocapacitance. Journal of Materials Chemistry A, 2020, 8, 11617-11625.	10.3	130
56	Three-Dimensional Carbon Networks Decorated with CoFe₂O₄ Nanoparticles Composites: Fabrication and Broadband Electromagnetic Wave Absorption Performance. Integrated Ferroelectrics, 2020, 208, 164-176.	0.7	2
57	A powder-metallurgy-based strategy toward three-dimensional graphene-like network for reinforcing copper matrix composites. Nature Communications, 2020, 11, 2775.	12.8	137
58	Decoupling electrolytes towards stable and high-energy rechargeable aqueous zincâ€“manganese dioxide batteries. Nature Energy, 2020, 5, 440-449.	39.5	430
59	Octopus-Inspired Design of Apical NiS₂ Nanoparticles Supported on Hierarchical Carbon Composites as an Efficient Host for Lithium Sulfur Batteries with High Sulfur Loading. ACS Applied Materials & Interfaces, 2020, 12, 17528-17537.	8.0	12
60	Effect of SiC nanoparticles on the precipitation behavior and mechanical properties of 7075Al alloy. Journal of Materials Science, 2020, 55, 6145-6160.	3.7	29
61	A bottom-up strategy toward metal nano-particles modified graphene nanoplates for fabricating aluminum matrix composites and interface study. Journal of Materials Science and Technology, 2020, 46, 21-32.	10.7	45
62	Spontaneous Synthesis of Silverâ€Nanoparticleâ€Decorated Transitionâ€Metal Hydroxides for Enhanced Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2020, 59, 7245-7250.	13.8	196
63	Spontaneous Synthesis of Silverâ€Nanoparticleâ€Decorated Transitionâ€Metal Hydroxides for Enhanced Oxygen Evolution Reaction. Angewandte Chemie, 2020, 132, 7312-7317.	2.0	12
64	Boosting the stable sodium-ion storage performance by tailoring the 1D TiO2@ReS2 core-shell heterostructures. Electrochimica Acta, 2020, 338, 135695.	5.2	17
65	Chloroplast-granum-inspired porous nanorods composed of g-C3N4 ultrathin nanosheets as visible light photocatalysts for highly enhanced hydrogen production. International Journal of Hydrogen Energy, 2020, 45, 2829-2839.	7.1	4
66	Transition metal dichalcogenides for alkali metal ion batteries: engineering strategies at the atomic level. Energy and Environmental Science, 2020, 13, 1096-1131.	30.8	266
67	Fabrication of Graphene Nanoplates Modified with Nickel Nanoparticles for Reinforcing Copper Matrix Composites. Acta Metallurgica Sinica (English Letters), 2020, 33, 643-648.	2.9	4
68	Crushing behavior and energy absorption property of carbon nanotube-reinforced aluminum composite foam-filled 6061 aluminum alloy tubes. Journal of Materials Science, 2020, 55, 7910-7926.	3.7	10
69	The superior mechanical and physical properties of nanocarbon reinforced bulk composites achieved by architecture design â€“ A review. Progress in Materials Science, 2020, 113, 100672.	32.8	163
70	Preparation of Three-Dimensional Carbon Network Reinforced Epoxy Composites and Their Thermal Conductivity. Transactions of Tianjin University, 2020, 26, 399-408.	6.4	2
71	Synergistic strengthening effect of in-situ synthesized WC1-x nanoparticles and graphene nanosheets in copper matrix composites. Composites Part A: Applied Science and Manufacturing, 2020, 133, 105891.	7.6	34
72	Sodiumâ€Ion Batteries: 1Tâ€²â€ReS₂ Confined in 2Dâ€Honeycombed Carbon Nanosheets as New Anode Materials for Highâ€Performance Sodiumâ€Ion Batteries (Adv. Energy Mater. 30/2019). Advanced Energy Materials, 2019, 9, 1970117.	19.5	4

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73	Electronic reconfiguration of Co₂P induced by Cu doping enhancing oxygen reduction reaction activity in zincâ€“air batteries. Journal of Materials Chemistry A, 2019, 7, 21232-21243.	10.3	46
74	In-situ synthesis of MgAlB4 whiskers as a promising reinforcement for aluminum matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 764, 138229.	5.6	17
75	ZnO nanoconfined 3D porous carbon composite microspheres to stabilize lithium nucleation/growth for high-performance lithium metal anodes. Journal of Materials Chemistry A, 2019, 7, 19442-19452.	10.3	42
76	Compressive responses and strengthening mechanisms of aluminum composite foams reinforced with graphene nanosheets. Carbon, 2019, 153, 396-406.	10.3	22
77	High-strength graphene network reinforced copper matrix composites achieved by architecture design and grain structure regulation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 762, 138063.	5.6	26
78	Enhanced Hydrogen Evolution Reaction Performance of NiCo₂P by Filling Oxygen Vacancies by Phosphorus in Thin-Coating CeO₂. ACS Applied Materials & Interfaces, 2019, 11, 32460-32468.	8.0	46
79	1Tâ€²â€ReS₂ Confined in 2Dâ€Honeycombed Carbon Nanosheets as New Anode Materials for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1901146.	19.5	50
80	Atomically Dispersed Binary Coâ€Ni Sites in Nitrogenâ€Doped Hollow Carbon Nanocubes for Reversible Oxygen Reduction and Evolution. Advanced Materials, 2019, 31, e1905622.	21.0	537
81	Threeâ€Dimensional Hierarchical Porous Carbon/Graphitic Carbon Nitride Composites for Efficient Photocatalytic Hydrogen Production. ChemCatChem, 2019, 11, 6364-6371.	3.7	22
82	Predicting battery life with early cyclic data by machine learning. Energy Storage, 2019, 1, e98.	4.3	13
83	Orientation Relationships and Interface Structure in MgAl₂O₄ and MgAlB₄ Co-Reinforced Al Matrix Composites. ACS Applied Materials & Interfaces, 2019, 11, 42790-42800.	8.0	24
84	Three-dimensional porous carbon materials and their composites as electrodes for electrochemical energy storage systems. Materials Chemistry Frontiers, 2019, 3, 2221-2245.	5.9	63
85	Strongly coupled hollow-oxide/phosphide hybrid coated with nitrogen-doped carbon as highly efficient electrocatalysts in alkaline for hydrogen evolution reaction. Journal of Catalysis, 2019, 377, 582-588.	6.2	35
86	Yolk-shelled Sb@C nanoconfined nitrogen/sulfur co-doped 3D porous carbon microspheres for sodium-ion battery anode with ultralong high-rate cycling. Nano Energy, 2019, 66, 104133.	16.0	56
87	Enhanced mechanical properties and electrical conductivity of graphene nanoplatelets/Cu composites by in situ formation of Mo2C nanoparticles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 766, 138365.	5.6	35
88	The journal of materials science in China. Journal of Materials Science, 2019, 54, 5989-5991.	3.7	2
89	Distorted 1T-ReS₂ Nanosheets Anchored on Porous TiO₂ Nanofibers for Highly Enhanced Photocatalytic Hydrogen Production. ACS Applied Materials & Interfaces, 2019, 11, 23144-23151.	8.0	57
90	Synergistic strengthening effect of alumina anchored graphene nanosheets hybrid structure in aluminum matrix composites. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 640-649.	2.1	9

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91	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
92	Boosting the capacitive storage performance of MOF-derived carbon frameworks via structural modulation for supercapacitors. Energy Storage Materials, 2019, 23, 491-498.	18.0	93
93	Rational design of Co9S8/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
94	Identifying the Activation of Bimetallic Sites in NiCo₂S₄@gâ€C₃N₄â€CNT Hybrid Electrocatalysts for Synergistic Oxygen Reduction and Evolution. Advanced Materials, 2019, 31, e1808281.	21.0	315
95	Influence of spark plasma sintering temperature on the microstructure and strengthening mechanisms of discontinuous three-dimensional graphene-like network reinforced Cu matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 756, 82-91.	5.6	38
96	Hard-template synthesis of three-dimensional interconnected carbon networks: Rational design, hybridization and energy-related applications. Nano Today, 2019, 29, 100796.	11.9	64
97	An in-plane Co₉S₈@MoS₂ heterostructure for the hydrogen evolution reaction in alkaline media. Nanoscale, 2019, 11, 21479-21486.	5.6	42
98	In situ synthesis of copper-modified graphene-reinforced aluminum nanocomposites with balanced strength and ductility. Journal of Materials Science, 2019, 54, 5498-5512.	3.7	40
99	Ultrafine Ni(OH)2 nanoneedles on N-doped 3D rivet graphene film for high-performance asymmetric supercapacitor. Journal of Alloys and Compounds, 2019, 783, 625-632.	5.5	25
100	Bio-inspired three-dimensional carbon network with enhanced mass-transfer ability for supercapacitors. Carbon, 2019, 143, 728-735.	10.3	38
101	Capacitance controlled, hierarchical porous 3D ultra-thin carbon networks reinforced prussian blue for high performance Na-ion battery cathode. Nano Energy, 2019, 58, 192-201.	16.0	100
102	Synergistic effect of Cu on laminated graphene nanosheets/AlCu composites with enhanced mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 742, 201-210.	5.6	24
103	Synthesis of three-dimensional carbon networks decorated with Fe3O4 nanoparticles as lightweight and broadband electromagnetic wave absorber. Journal of Alloys and Compounds, 2019, 776, 691-701.	5.5	36
104	Ultrahigh volumetric capacitance and cycle stability via structure design and synergistic action between CoMoO4 nanosheets and 3D porous Ni-Co film. Applied Surface Science, 2019, 465, 389-396.	6.1	10
105	The preparation and properties of novel structural damping composites reinforced by nitrile rubber coated 3â€D braided carbon fibers. Polymer Composites, 2019, 40, E599.	4.6	5
106	Three-Dimensional Core-Branch Î±-Fe2O3@NiO/Carbon Cloth Heterostructured Electrodes for Flexible Supercapacitors. Frontiers in Chemistry, 2019, 7, 887.	3.6	15
107	â€œEthanolâ€“water exchangeâ€•nanobubbles templated hierarchical hollow Î²-Mo₂C/N-doped carbon composite nanospheres as an efficient hydrogen evolution electrocatalyst. Journal of Materials Chemistry A, 2018, 6, 6054-6064.	10.3	39
108	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. Journal of Materials Chemistry A, 2018, 6, 8109-8119.	10.3	121

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109	Enhanced interface interaction between modified carbon nanotubes and magnesium matrix. Composite Interfaces, 2018, 25, 1101-1114.	2.3	6
110	Effectively reinforced load transfer and fracture elongation by forming Al4C3 for in-situ synthesizing carbon nanotube reinforced Al matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 718, 182-189.	5.6	54
111	Dopant-Modulating Mechanism of Lithium Adsorption and Diffusion at the Graphene/Li2S Interface. Physical Review Applied, 2018, 9, .	3.8	15
112	Porous MoS₂/Carbon Spheres Anchored on 3D Interconnected Multiwall Carbon Nanotube Networks forÂUltrafast Na Storage. Advanced Energy Materials, 2018, 8, 1702909.	19.5	190
113	An approach for fabricating Ni@graphene reinforced nickel matrix composites with enhanced mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 715, 108-116.	5.6	70
114	A Topâ€Down Strategy toward SnSb Inâ€Plane Nanoconfined 3D Nâ€Doped Porous Graphene Composite Microspheres for High Performance Naâ€Ion Battery Anode. Advanced Materials, 2018, 30, 1704670.	21.0	183
115	Salt-assisted synthesis of 3D open porous g-C₃N₄ decorated with cyano groups for photocatalytic hydrogen evolution. Nanoscale, 2018, 10, 3008-3013.	5.6	87
116	Facile synthesis and electrochemical properties of continuous porous spheres assembled from defect-rich, interlayer-expanded, and few-layered MoS2/C nanosheets for reversible lithium storage. Journal of Power Sources, 2018, 387, 16-23.	7.8	51
117	Graphene quantum dots derived from hollow carbon nano-onions. Nano Research, 2018, 11, 174-184.	10.4	22
118	In-situ space-confined catalysis for fabricating 3D mesoporous graphene and their capacitive properties. Applied Surface Science, 2018, 433, 568-574.	6.1	15
119	Fabrication of Sn-core/CNT-shell nanocable anchored interconnected carbon networks as anode material for lithium ion batteries. Materials Letters, 2018, 212, 94-97.	2.6	15
120	Ultrasmall Fe2GeO4 nanodots anchored on interconnected carbon nanosheets as high-performance anode materials for lithium and sodium ion batteries. Applied Surface Science, 2018, 427, 670-679.	6.1	36
121	In situ synthesis of a gamma-Al2O3 whisker reinforced aluminium matrix composite by cold pressing and sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 709, 223-231.	5.6	48
122	Preparation of MoS₂/TiO₂ based nanocomposites for photocatalysis and rechargeable batteries: progress, challenges, and perspective. Nanoscale, 2018, 10, 34-68.	5.6	247
123	1D Subâ€Nanotubes with Anatase/Bronze TiO₂ Nanocrystal Wall for Highâ€Rate and Longâ€Life Sodiumâ€Ion Batteries. Advanced Materials, 2018, 30, e1804116.	21.0	109
124	Combined Effects of Pre-deformation and Pre-aging on the Mechanical Properties of Al-Cu-Mg Alloy with Sc and Zr Addition. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 680-687.	1.0	3
125	Assembly Multifunctional Three-Dimensional Carbon Networks by Controlling Intermolecular Forces. ACS Applied Materials & Interfaces, 2018, 10, 36284-36289.	8.0	7
126	Effect of Interface Structure on the Mechanical Properties of Graphene Nanosheets Reinforced Copper Matrix Composites. ACS Applied Materials & Interfaces, 2018, 10, 37586-37601.	8.0	99

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127	A Coreâ€“Shell Strategy for Improving Alloy Catalyst Activity for Continual Growth of Hollow Carbon Onions. Crystal Growth and Design, 2018, 18, 7470-7480.	3.0	10
128	CeO_x-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
129	Salt-template synthesis of mesoporous carbon monolith for ionogel-based supercapacitors. Electrochemistry Communications, 2018, 96, 6-10.	4.7	27
130	Nâ€Đoped 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
131	In situ fabrication of Ni(OH)2/Cu2O nanosheets on nanoporous NiCu alloy for high performance supercapacitor. Electrochimica Acta, 2018, 283, 970-978.	5.2	28
132	Three-dimensionally hierarchical Co3O4/Carbon composites with high pseudocapacitance contribution for enhancing lithium storage. Electrochimica Acta, 2018, 283, 1269-1276.	5.2	34
133	Nanotubular Ni-supported graphene @ hierarchical NiCo-LDH with ultrahigh volumetric capacitance for supercapacitors. Applied Surface Science, 2018, 453, 230-237.	6.1	22
134	Controllable graphene incorporation and defect engineering in MoS2-TiO2 based composites: Towards high-performance lithium-ion batteries anode materials. Nano Energy, 2017, 33, 247-256.	16.0	130
135	Ultrathinâ€Nanosheetâ€Induced Synthesis of 3D Transition Metal Oxides Networks for Lithium Ion Battery Anodes. Advanced Functional Materials, 2017, 27, 1605017.	14.9	284
136	Multi-functional integration of pore P25@C@MoS2 core-double shell nanostructures as robust ternary anodes with enhanced lithium storage properties. Applied Surface Science, 2017, 401, 232-240.	6.1	24
137	Three-Dimensional Rebar Graphene. ACS Applied Materials & Interfaces, 2017, 9, 7376-7384.	8.0	46
138	Graphene Carbon Nanotube Carpets Grown Using Binary Catalysts for High-Performance Lithium-Ion Capacitors. ACS Nano, 2017, 11, 2724-2733.	14.6	91
139	Ball-in-cage nanocomposites of metalâ€“organic frameworks and three-dimensional carbon networks: synthesis and capacitive performance. Nanoscale, 2017, 9, 6478-6485.	5.6	37
140	Sandwiched C@SnO₂@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.	10.3	107
141	Clarifying the Controversial Catalytic Performance of Co(OH)₂ and Co₃O₄ for Oxygen Reduction/Evolution Reactions toward Efficient Znâ€“Air Batteries. ACS Applied Materials & Interfaces, 2017, 9, 22694-22703.	8.0	121
142	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.	5.6	108
143	Smart hybridization of Sn₂Nb₂O₇/SnO₂@3D carbon nanocomposites with enhanced sodium storage performance through self-buffering effects. Journal of Materials Chemistry A, 2017, 5, 13052-13061.	10.3	23
144	Three-Dimensional Printed Graphene Foams. ACS Nano, 2017, 11, 6860-6867.	14.6	172

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145	Sandwiched graphene inserted with graphene-encapsulated yolkâ€“shell Î³-Fe2O3 nanoparticles for efficient lithium ion storage. Journal of Materials Chemistry A, 2017, 5, 7035-7042.	10.3	42
146	Three-dimensional graphene anchored Fe2O3@C core-shell nanoparticles as supercapacitor electrodes. Journal of Alloys and Compounds, 2017, 696, 956-963.	5.5	39
147	One-step synthesis of SnCo nanoconfined in hierarchical carbon nanostructures for lithium ion battery anode. Nanoscale, 2017, 9, 15856-15864.	5.6	33
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