Chun-Sheng Shi

List of Publications by Citations

204	8,113	46	82
papers	citations	h-index	g-index
216	9,587	7.8	6.3
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
204	Carbon-encapsulated Fe3O4 nanoparticles as a high-rate lithium ion battery anode material. *ACS Nano*, **2013**, 7, 4459-69	16.7	824
203	Graphene networks anchored with sn@graphene as lithium ion battery anode. *ACS Nano*, **2014**, 8, 1728-38	16.7	533
202	2D Space-Confined Synthesis of Few-Layer MoS2 Anchored on Carbon Nanosheet for Lithium-Ion Battery Anode. *ACS Nano*, **2015**, 9, 3837-48	16.7	494
201	Ultrathin-Nanosheet-Induced Synthesis of 3D Transition Metal Oxides Networks for Lithium Ion Battery Anodes. *Advanced Functional Materials*, **2017**, 27, 1605017	15.6	249
200	Thermal decomposition-reduced layer-by-layer nitrogen-doped graphene/MoS2/nitrogen-doped graphene heterostructure for promising lithium-ion batteries. *Nano Energy*, **2017**, 41, 154-163	17.1	160
199	Porous MoS2/Carbon Spheres Anchored on 3D Interconnected Multiwall Carbon Nanotube Networks for Ultrafast Na Storage. *Advanced Energy Materials*, **2018**, 8, 1702909	21.8	153
198	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	24	147
197	2D sandwich-like carbon-coated ultrathin TiO2@defect-rich MoS2 hybrid nanosheets: Synergistic-effect-promoted electrochemical performance for lithium ion batteries. *Nano Energy*, **2016**, 26, 541-549	17.1	129
196	Porous graphitic carbon nanosheets as a high-rate anode material for lithium-ion batteries. *ACS Applied Materials & Interfaces*, **2013**, 5, 9537-45	9.5	128
195	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	17.1	114
194	N-Doped Graphene Modified 3D Porous Cu Current Collector toward Microscale Homogeneous Li Deposition for Li Metal Anodes. *Advanced Energy Materials*, **2018**, 8, 1800914	21.8	107
193	Fabrication of in-situ grown graphene reinforced Cu matrix composites. *Scientific Reports*, **2016**, 6, 19363	4.9	106
192	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	13	103
191	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	17.1	102
190	Metal–organic frameworks-derived honeycomb-like Co3O4/three-dimensional graphene networks/Ni foam hybrid as a binder-free electrode for supercapacitors. *Journal of Alloys and Compounds*, **2017**, 693, 16-24	5.7	96
189	Effect of carbon nanotube (CNT) content on the properties of in-situ synthesis CNT reinforced Al composites. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 660, 11-18	5.3	94
188	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	5.7	93

187	CeO -Decorated NiFe-Layered Double Hydroxide for Efficient Alkaline Hydrogen Evolution by Oxygen Vacancy Engineering. *ACS Applied Materials & Interfaces*, **2018**, 10, 35145-35153	9.5	93
186	Free-standing porous carbon nanofiber/ultrathin graphite hybrid for flexible solid-state supercapacitors. *ACS Nano*, **2015**, 9, 481-7	16.7	89
185	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	13	88
184	Preparation of reduced graphene oxide/Fe3O4 nanocomposite and its microwave electromagnetic properties. *Materials Letters*, **2013**, 91, 209-212	3.3	86
183	Achieving high strength and high ductility in metal matrix composites reinforced with a discontinuous three-dimensional graphene-like network. *Nanoscale*, **2017**, 9, 11929-11938	7.7	85
182	Salt-template-assisted synthesis of robust 3D honeycomb-like structured MoS2 and its application as a lithium-ion battery anode. *Journal of Materials Chemistry A*, **2016**, 4, 8734-8741	13	85
181	Soluble salt self-assembly-assisted synthesis of three-dimensional hierarchical porous carbon networks for supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 22266-22273	13	81
180	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	13	79
179	Three-Dimensional Network of N-Doped Carbon Ultrathin Nanosheets with Closely Packed Mesopores: Controllable Synthesis and Application in Electrochemical Energy Storage. *ACS Applied Materials & Interfaces*, **2016**, 8, 11720-8	9.5	79
178	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	5.3	76
177	Mo2C coating on diamond: Different effects on thermal conductivity of diamond/Al and diamond/Cu composites. *Applied Surface Science*, **2017**, 402, 372-383	6.7	75
176	Facile synthesis of 3D few-layered MoS□coated TiO□nanosheet core-shell nanostructures for stable and high-performance lithium-ion batteries. *Nanoscale*, **2015**, 7, 12895-905	7.7	75
175	Fabrication of carbon nanotube reinforced Al composites with well-balanced strength and ductility. *Journal of Alloys and Compounds*, **2013**, 563, 216-220	5.7	73
174	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	17.1	64
173	First-principles study of protonic conduction in In-doped AZrO3 (A=Ca, Sr, Ba). *Solid State Ionics*, **2005**, 176, 1091-1096	3.3	62
172	Scalable synthesis of high-quality transition metal dichalcogenide nanosheets and their application as sodium-ion battery anodes. *Journal of Materials Chemistry A*, **2016**, 4, 17370-17380	13	60
171	A powder-metallurgy-based strategy toward three-dimensional graphene-like network for reinforcing copper matrix composites. *Nature Communications*, **2020**, 11, 2775	17.4	57
170	Effect of Interface Structure on the Mechanical Properties of Graphene Nanosheets Reinforced Copper Matrix Composites. *ACS Applied Materials & Interfaces*, **2018**, 10, 37586-37601	9.5	56

169	Anomalous interfacial lithium storage in graphene/TiO2 for lithium ion batteries. *ACS Applied Materials & Interfaces*, **2014**, 6, 18147-51	9.5	54
168	In-situ space-confined synthesis of well-dispersed three-dimensional graphene/carbon nanotube hybrid reinforced copper nanocomposites with balanced strength and ductility. *Composites Part A: Applied Science and Manufacturing*, **2017**, 103, 178-187	8.4	53
167	A large ultrathin anatase TiO2 nanosheet/reduced graphene oxide composite with enhanced lithium storage capability. *Journal of Materials Chemistry A*, **2014**, 2, 8893	13	52
166	In situ synthesis of CNTs in Mg powder at low temperature for fabricating reinforced Mg composites. *Journal of Alloys and Compounds*, **2013**, 551, 496-501	5.7	51
165	Synthesis of uniformly dispersed carbon nanotube reinforcement in Al powder for preparing reinforced Al composites. *Composites Part A: Applied Science and Manufacturing*, **2011**, 42, 1833-1839	8.4	50
164	Low-temperature synthesis of carbon onions by chemical vapor deposition using a nickel catalyst supported on aluminum. *Scripta Materialia*, **2006**, 54, 689-693	5.6	50
163	Free-Standing 3D Nanoporous Duct-Like and Hierarchical Nanoporous Graphene Films for Micron-Level Flexible Solid-State Asymmetric Supercapacitors. *Advanced Energy Materials*, **2016**, 6, 1600755	21.8	48
162	Electrochemical hydrogen storage of expanded graphite decorated with TiO2 nanoparticles. *International Journal of Hydrogen Energy*, **2012**, 37, 5762-5768	6.7	48
161	Enhanced electrochemical hydrogen storage capacity of multi-walled carbon nanotubes by TiO2 decoration. *International Journal of Hydrogen Energy*, **2011**, 36, 6739-6743	6.7	48
160	Hydrogen spillover storage on Ca-decorated graphene. *International Journal of Hydrogen Energy*, **2012**, 37, 11835-11841	6.7	47
159	Continuously hierarchical nanoporous graphene film for flexible solid-state supercapacitors with excellent performance. *Nano Energy*, **2016**, 24, 158-164	17.1	47
158	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. *Journal of Energy Chemistry*, **2014**, 23, 324-330	12	45
157	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	8.9	43
156	Fabrication of Nanocarbon Composites Using In Situ Chemical Vapor Deposition and Their Applications. *Advanced Materials*, **2015**, 27, 5422-31	24	43
155	Microwave absorbing properties of activated carbon fibre polymer composites. *Bulletin of Materials Science*, **2011**, 34, 75-79	1.7	43
154	Thermogravimetric analysis and TEM characterization of the oxidation and defect sites of carbon nanotubes synthesized by CVD of methane. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 473, 355-359	5.3	43
153	N-Doped Porous Carbon Nanofibers/Porous Silver Network Hybrid for High-Rate Supercapacitor Electrode. *ACS Applied Materials & Interfaces*, **2017**, 9, 30832-30839	9.5	42
152	Effects of anodizing conditions on anodic alumina structure. *Journal of Materials Science*, **2007**, 42, 3878-3882	4.9	42

151	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	17.1	41
150	Synthesis of uniform and superparamagnetic Fe3O4 nanocrystals embedded in a porous carbon matrix for a superior lithium ion battery anode. *Journal of Materials Chemistry A*, **2013**, 1, 11011	13	40
149	NiO nanotubes assembled in pores of porous anodic alumina and their optical absorption properties. *Chemical Physics Letters*, **2008**, 454, 75-79	2.5	40
148	Bamboo-shaped carbon nanotubes produced by catalytic decomposition of methane over nickel nanoparticles supported on aluminum. *Journal of Alloys and Compounds*, **2007**, 428, 79-83	5.7	40
147	Monodisperse multicore-shell SnSb@SnOx/SbOx@C nanoparticles space-confined in 3D porous carbon networks as high-performance anode for Li-ion and Na-ion batteries. *Chemical Engineering Journal*, **2019**, 371, 356-365	14.7	38
146	Artificial neural network enabled capacitance prediction for carbon-based supercapacitors. *Materials Letters*, **2018**, 233, 294-297	3.3	38
145	In-situ synthesis of graphene nanosheets coated copper for preparing reinforced aluminum matrix composites. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 709, 65-71	5.3	37
144	Graphene Oxide-Assisted Synthesis of Microsized Ultrathin Single-Crystalline Anatase TiO2 Nanosheets and Their Application in Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 2495-504	9.5	37
143	Constructing N-Doped porous carbon confined FeSb alloy nanocomposite with Fe-N-C coordination as a universal anode for advanced Na/K-ion batteries. *Chemical Engineering Journal*, **2020**, 384, 123327	14.7	37
142	Synergistic effect of CNTs reinforcement and precipitation hardening in in-situ CNTs/Al□u composites. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2015**, 633, 103-111	5.3	36
141	Sandwiched graphene inserted with graphene-encapsulated yolk□hell □Fe2O3 nanoparticles for efficient lithium ion storage. *Journal of Materials Chemistry A*, **2017**, 5, 7035-7042	13	35
140	A novel approach to obtain in-situ growth carbon nanotube reinforced aluminum foams with enhanced properties. *Materials Letters*, **2015**, 161, 763-766	3.3	35
139	Elevated temperature compressive properties and energy absorption response of in-situ grown CNT-reinforced Al composite foams. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 690, 294-302	5.3	34
138	Space-Confined Synthesis of Three-Dimensional Boron/Nitrogen-Doped Carbon Nanotubes/Carbon Nanosheets Line-in-Wall Hybrids and Their Electrochemical Energy Storage Applications. *Electrochimica Acta*, **2016**, 212, 621-629	6.7	33
137	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	5.3	33
136	Ball-in-cage nanocomposites of metal-organic frameworks and three-dimensional carbon networks: synthesis and capacitive performance. *Nanoscale*, **2017**, 9, 6478-6485	7.7	32
135	Compressive properties and energy absorption of aluminum composite foams reinforced by in-situ generated MgAl 2 O 4 whiskers. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2015**, 645, 1-7	5.3	32
134	In-situ organic SEI layer for dendrite-free lithium metal anode. *Energy Storage Materials*, **2020**, 27, 69-77	19.4	32

133	Synthesis of SiO2/3D porous carbon composite as anode material with enhanced lithium storage performance. *Chemical Physics Letters*, **2016**, 651, 19-23	2.5	32
132	Synthesis and growth mechanism of metal filled carbon nanostructures by CVD using Ni/Y catalyst supported on copper. *Journal of Alloys and Compounds*, **2008**, 456, 290-296	5.7	32
131	Synthesis of carbon nanotubes and carbon onions by CVD using a Ni/Y catalyst supported on copper. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 475, 136-140	5.3	32
130	In situ preparation of interconnected networks constructed by using flexible graphene/Sn sandwich nanosheets for high-performance lithium-ion battery anodes. *Journal of Materials Chemistry A*, **2015**, 3, 23170-23179	13	31
129	Ethanol–water exchange nanobubbles templated hierarchical hollow Mo2C/N-doped carbon composite nanospheres as an efficient hydrogen evolution electrocatalyst. *Journal of Materials Chemistry A*, **2018**, 6, 6054-6064	13	30
128	In-situ grown CNTs modified SiO2/C composites as anode with improved cycling stability and rate capability for lithium storage. *Applied Surface Science*, **2018**, 433, 428-436	6.7	30
127	Ultrafine SnO2 nanoparticles encapsulated in 3D porous carbon as a high-performance anode material for potassium-ion batteries. *Journal of Power Sources*, **2019**, 441, 227191	8.9	29
126	Electronic reconfiguration of Co2P induced by Cu doping enhancing oxygen reduction reaction activity in zinc–air batteries. *Journal of Materials Chemistry A*, **2019**, 7, 21232-21243	13	28
125	Achieving highly dispersed nanofibres at high loading in carbon nanofibre-metal composites. *Nanotechnology*, **2009**, 20, 235607	3.4	28
124	Synthesis of carbon nanostructures with different morphologies by CVD of methane. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 460-461, 255-260	5.3	28
123	Interface and Doping Effects on Li Ion Storage Behavior of Graphene/Li2O. *Journal of Physical Chemistry C*, **2017**, 121, 19559-19567	3.8	27
122	Enhanced Hydrogen Evolution Reaction Performance of NiCoP by Filling Oxygen Vacancies by Phosphorus in Thin-Coating CeO. *ACS Applied Materials & Interfaces*, **2019**, 11, 32460-32468	9.5	26
121	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	5.7	26
120	Nitrogen-doped graphene network supported copper nanoparticles encapsulated with graphene shells for surface-enhanced Raman scattering. *Nanoscale*, **2015**, 7, 17079-87	7.7	25
119	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	13	25
118	Three-dimensional porous bowl-shaped carbon cages interspersed with carbon coated Ni3Sn alloy nanoparticles as anode materials for high-performance lithium-ion batteries. *New Journal of Chemistry*, **2017**, 41, 393-402	3.6	25
117	Fabrication of aluminum matrix composites with enhanced mechanical properties reinforced by in situ generated MgAl2O4 whiskers. *Composites Part A: Applied Science and Manufacturing*, **2012**, 43, 631-634	8.4	25
116	Effect of Hydrogen Molecule Dissociation on Hydrogen Storage Capacity of Graphene with Metal Atom Decorated. *Journal of Physical Chemistry C*, **2014**, 118, 839-844	3.8	24

115	Microstructure and properties of in situ generated MgAl2O4 spinel whisker reinforced aluminum matrix composites. *Materials & Design*, **2013**, 46, 724-730		23
114	Heterostructure Engineering of Core-Shelled Sb@Sb O Encapsulated in 3D N-Doped Carbon Hollow-Spheres for Superior Sodium/Potassium Storage. *Small*, **2021**, 17, e2006824	11	23
113	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	6.7	22
112	Carbon and few-layer MoS2 nanosheets co-modified TiO2 nanosheets with enhanced electrochemical properties for lithium storage. *Rare Metals*, **2018**, 37, 107-117	5.5	22
111	Preparation of Fe 3 O 4 /rebar graphene composite via solvothermal route as binder free anode for lithium ion batteries. *Journal of Alloys and Compounds*, **2016**, 661, 448-454	5.7	22
110	Carbon-coated Ni3Sn2 nanoparticles embedded in porous carbon nanosheets as a lithium ion battery anode with outstanding cycling stability. *RSC Advances*, **2014**, 4, 49247-49256	3.7	22
109	Towards strength-ductility synergy with favorable strengthening effect through the formation of a quasi-continuous graphene nanosheets coated Ni structure in aluminum matrix composite. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2019**, 748, 52-58	5.3	22
108	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	13	21
107	Damping characteristics of Al matrix composite foams reinforced by in-situ grown carbon nanotubes. *Materials Letters*, **2017**, 209, 68-70	3.3	21
106	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	5.7	21
105	In situ synthesized Li2S@porous carbon cathode for graphite/Li2S full cells using ether-based electrolyte. *Electrochimica Acta*, **2017**, 256, 348-356	6.7	20
104	Microstructural evolution in Al-Zn-Mg-Cu-Sc-Zr alloys during short-time homogenization. *International Journal of Minerals, Metallurgy and Materials*, **2015**, 22, 516-523	3.1	20
103	In-situ fabrication of nano-sized TiO2 reinforced Cu matrix composites with well-balanced mechanical properties and electrical conductivity. *Powder Technology*, **2017**, 321, 66-73	5.2	20
102	An in-plane CoS@MoS heterostructure for the hydrogen evolution reaction in alkaline media. *Nanoscale*, **2019**, 11, 21479-21486	7.7	20
101	Bio-inspired three-dimensional carbon network with enhanced mass-transfer ability for supercapacitors. *Carbon*, **2019**, 143, 728-735	10.4	20
100	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	5.3	19
99	Activated Carbon Nanochains with Tailored Micro-Meso Pore Structures and Their Application for Supercapacitors. *Journal of Physical Chemistry C*, **2015**, 119, 21810-21817	3.8	19
98	Understanding the Electrochemical Properties of Li-Rich Cathode Materials from First-Principles Calculations. *Journal of Physical Chemistry C*, **2015**, 119, 28749-28756	3.8	19

97	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	5.2	19
96	Adhesion, bonding and mechanical properties of Mo doped diamond/Al (Cu) interfaces: A first principles study. *Applied Surface Science*, **2020**, 527, 146817	6.7	18
95	Nitrogen and oxygen co-doped 3D nanoporous duct-like graphene@carbon nano-cage hybrid films for high-performance multi-style supercapacitors. *Journal of Materials Chemistry A*, **2017**, 5, 18535-18541	13	18
94	Ultralight metal foams. *Scientific Reports*, **2015**, 5, 13825	4.9	18
93	Low-temperature synthesis of aluminum borate nanowhiskers on the surface of aluminum powder promoted by ball-milling pretreatment. *Powder Technology*, **2011**, 212, 310-315	5.2	18
92	Revealing the strengthening and toughening mechanisms of Al-CuO composite fabricated via in-situ solid-state reaction. *Acta Materialia*, **2021**, 204, 116524	8.4	18
91	High strain rate dynamic compressive properties and deformation behavior of Al matrix composite foams reinforced by in-situ grown carbon nanotubes. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 729, 487-495	5.3	17
90	Three-dimensional porous carbon nanosheet networks anchored with Cu6Sn5@carbon as a high-performance anode material for lithium ion batteries. *RSC Advances*, **2016**, 6, 54718-54726	3.7	17
89	Boron doping effect on the interface interaction and mechanical properties of graphene reinforced copper matrix composite. *Applied Surface Science*, **2017**, 425, 811-822	6.7	17
88	Fabrication of in-situ grown carbon nanotubes reinforced aluminum alloy matrix composite foams based on powder metallurgy method. *Materials Letters*, **2018**, 233, 351-354	3.3	17
87	Spatially uniform Li deposition realized by 3D continuous duct-like graphene host for high energy density Li metal anode. *Carbon*, **2020**, 161, 198-205	10.4	16
86	Synthesis of binary and triple carbon nanotubes over Ni/Cu/Al2O3 catalyst by chemical vapor deposition. *Materials Letters*, **2007**, 61, 4940-4943	3.3	16
85	Microwave absorbing properties of activated carbon-fiber felt dipole array/epoxy resin composites. *Journal of Materials Science*, **2007**, 42, 4870-4876	4.3	15
84	Doping effects on proton incorporation and conduction in SrZrO3. *Journal of Computational Chemistry*, **2006**, 27, 711-8	3.5	15
83	In-situ processing and aging behaviors of MgAl2O4 spinel whisker reinforced 6061Al composite. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2014**, 598, 114-121	5.3	14
82	In-situ synthesis of MgAl2O4 nanowhiskers reinforced 6061 aluminum alloy composites by reaction hot pressing. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 617, 235-242	5.3	14
81	Carbon onion growth enhanced by nitrogen incorporation. *Scripta Materialia*, **2006**, 54, 1739-1743	5.6	14
80	ReS2 nanosheets anchored on rGO as an efficient polysulfides immobilizer and electrocatalyst for Li-S batteries. *Applied Surface Science*, **2020**, 505, 144586	6.7	14

79	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	5.6	14
78	Nanotubular Ni-supported graphene @ hierarchical NiCo-LDH with ultrahigh volumetric capacitance for supercapacitors. *Applied Surface Science*, **2018**, 453, 230-237	6.7	13
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	5.3	13
76	An approach for obtaining the structural diversity of multi-walled carbon nanotubes on Ni/Al catalyst with low Ni content. *Journal of Alloys and Compounds*, **2010**, 489, 20-25	5.7	13
75	Interface and Doping Effect on the Electrochemical Property of Graphene/LiFePO4. *Journal of Physical Chemistry C*, **2016**, 120, 17165-17174	3.8	12
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	5.3	12
73	Synthesis of novel carbon nano-chains and their application as supercapacitors. *Journal of Materials Chemistry A*, **2014**, 2, 16268-16275	13	12
72	Surface State Induced Ferromagnetism in Co- and Mn-Doped ZnO Surfaces. *Journal of Physical Chemistry C*, **2011**, 115, 3368-3371	3.8	12
71	The effect of heat treatment on mechanical properties of carbon nanofiber reinforced copper matrix composites. *Journal of Materials Science*, **2009**, 44, 5602-5608	4.3	12
70	Rational design of FeCo imbedded 3D porous carbon microspheres as broadband and lightweight microwave absorbers. *Journal of Materials Science*, **2021**, 56, 2212-2225	4.3	12
69	MnO nanoparticles@continuous carbon nanosheets for high performance lithium ion battery anodes. *Materials Letters*, **2017**, 189, 236-239	3.3	11
68	Orientation Relationships and Interface Structure in MgAlO and MgAlB Co-Reinforced Al Matrix Composites. *ACS Applied Materials & Interfaces*, **2019**, 11, 42790-42800	9.5	11
67	Low-temperature synthesis of multi-walled carbon nanotubes over Cu catalyst. *Materials Letters*, **2012**, 72, 164-167	3.3	11
66	Synthesis of 2D/3D carbon hybrids by heterogeneous space-confined effect for electrochemical energy storage. *Journal of Materials Chemistry A*, **2017**, 5, 19175-19183	13	11
65	Dopant-Modulating Mechanism of Lithium Adsorption and Diffusion at the Graphene/Li2S Interface. *Physical Review Applied*, **2018**, 9,	4.3	10
64	Preparation and mechanical properties of in-situ synthesized nano-MgAl2O4 particles and MgxAl(1-x)B2 whiskers co-reinforced Al matrix composites. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 735, 236-242	5.3	10
63	Interface intrinsic strengthening mechanism on the tensile properties of Al2O3/Al composites. *Computational Materials Science*, **2019**, 169, 109131	3.2	10
62	Enhanced Shielding Performance of Layered Carbon Fiber Composites Filled with Carbonyl Iron and Carbon Nanotubes in the Koch Curve Fractal Method. *Molecules*, **2020**, 25,	4.8	9

61	Doping and controllable pore size enhanced electrochemical performance of free-standing 3D graphene films. *Applied Surface Science*, **2018**, 427, 598-604	6.7	9
60	Self-anchored catalysts for substrate-free synthesis of metal-encapsulated carbon nano-onions and study of their magnetic properties. *Nano Research*, **2016**, 9, 1159-1172	10	9
59	The effect of catalyst evolution at various temperatures on carbon nanostructures formed by chemical vapor deposition. *Journal of Materials Science*, **2009**, 44, 2471-2476	4.3	9
58	First-principles study of the B- or N-doping effects on chemical bonding characteristics between magnesium and single-walled carbon nanotubes. *Chemical Physics Letters*, **2009**, 469, 145-148	2.5	9
57	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	5.3	9
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