Chaoqun Shang

List of Publications by Year in Descending Order

83 papers	2,366 citations	24 h-index	47 g-index
85 ext. papers	2,786 ext. citations	7.7 avg, IF	5.08 L-index

#	Paper	IF	Citations
83	Freestanding carbon nanofibers encapsulating MOF-derived NiSe with in-situ porous carbon protective layer for sodium storage. *Applied Surface Science*, **2022**, 579, 152181	6.7	0
82	Hierarchical porous structure construction for highly stable self-supporting lithium metal anode. *Nano Energy*, **2022**, 93, 106905	17.1	5
81	Ternary Co-Ni sulfides deposited on Co(OH)2 nanoflakes decorated carbon cloth as electrode for supercapacitor. *Inorganic Chemistry Communication*, **2022**, 140, 109443	3.1	0
80	N- and S-doped ordered mesoporous carbon tubes with efficient S confinement for high-performance Li□S batteries. *Materials Today Chemistry*, **2022**, 24, 100907	6.2	1
79	Rational design of freestanding necklace-like ZnSe with double N-doped carbon layer protection for efficient sodium storage. *Materials Today Chemistry*, **2022**, 25, 100976	6.2	1
78	Enhanced Electrochemical Performance of LiNi0.8Co0.1Mn0.1O2 with SiO2 Surface Coating Via Homogeneous Precipitation. *ChemElectroChem*, **2021**, 8, 4321	4.3	1
77	Co2P/Sn4P3 particle encapsulated in N, P codoped carbon nanocubes for efficient sodium storage. *Materials Today Chemistry*, **2021**, 19, 100389	6.2	2
76	Co and N co-modified carbon nanotubes as efficient electrocatalyst for oxygen reduction reaction. *Rare Metals*, **2021**, 40, 90-95	5.5	12
75	Fe7Se8 encapsulated in N-doped carbon nanofibers as a stable anode material for sodium ion batteries. *Nanoscale Advances*, **2021**, 3, 231-239	5.1	10
74	Synergistic electronic and morphological modulation on ternary Co1□VxP nanoneedle arrays for hydrogen evolution reaction with large current density. *Science China Materials*, **2021**, 64, 880-891	7.1	9
73	Dissolving Vanadium into Titanium Nitride Lattice Framework for Rational Polysulfide Regulation in Li□S Batteries. *Advanced Energy Materials*, **2021**, 11, 2003020	21.8	22
72	Hollow Carbon Nanocubes as Oxygen Reduction Reaction Electrocatalyst. *ChemistrySelect*, **2020**, 5, 13300□13304	2	24
71	Hematite photoanode modified with inexpensive hole-storage layer for highly efficient solar water oxidation. *Nanotechnology*, **2020**, 31, 455405	3.4	3
70	Double Morphology of CoS Coated by N, S Co-doped Carbon as Efficient Anode Materials for Sodium-Ion Batteries. *Nanoscale Research Letters*, **2020**, 15, 19	5	3
69	CuSe Nanoparticles Encapsulated by Nitrogen-Doped Carbon Nanofibers for Efficient Sodium Storage. *Nanomaterials*, **2020**, 10,	5.4	13
68	MnSe embedded in carbon nanofibers as advanced anode material for sodium ion batteries. *Nanotechnology*, **2020**, 31, 335402	3.4	15
67	CoVO Nanoparticles Supported on Reduced Graphene Oxide for Efficient Lithium Storage. *Nanomaterials*, **2020**, 10,	5.4	6

66	Fe-doped Co-N/C as effective electrocatalyst for oxygen reaction. *Materials Research Express*, **2020**, 7, 085002	1.7	1
65	Amorphous Ti(IV)-modified flower-like ZnIn2S4 microspheres with enhanced hydrogen evolution photocatalytic activity and simultaneous wastewater purification. *Journal of Materials Chemistry C*, **2020**, 8, 2693-2699	7.1	9
64	Unusual Mechanism Behind Enhanced Photocatalytic Activity and Surface Passivation of SiC(0001) via Forming Heterostructure with a MoS2 Monolayer. *Journal of Physical Chemistry C*, **2020**, 124, 1362-1368	3.8	4
63	Boron-doped molybdenum carbide as a pH-independent electrocatalyst for the hydrogen evolution reaction. *International Journal of Hydrogen Energy*, **2020**, 45, 30659-30665	6.7	4
62	Highly conductive VC embedded in carbon matrix as effective trapper and catalyst for Li-S batteries. *Chemical Communications*, **2020**, 56, 14295-14298	5.8	10
61	Promoting Ge Alloying Reaction via Heterostructure Engineering for High Efficient and Ultra-Stable Sodium-Ion Storage. *Advanced Science*, **2020**, 7, 2002358	13.6	14
60	Constructing CoS Nanosheets Coating N-Doped Carbon Nanofibers as Freestanding Sulfur Host for High-Performance Lithium-Sulfur Batteries. *Advanced Science*, **2020**, 7, 2002037	13.6	21
59	Enhanced Sodium Storage Performance of Co7Se8 Enabled Through In Situ Formation of a Nanoporous Architecture. *ChemElectroChem*, **2020**, 7, 4361-4368	4.3	0
58	A Full Li-S Battery with Ultralow Excessive Li Enabled via Lithiophilic and Sulfilic W C Modulation. *Chemistry - A European Journal*, **2020**, 26, 16057-16065	4.8	7
57	Novel Fe2O3/PZT Nanorods for Ferroelectric Polarization-Enhanced Photoelectrochemical Water Splitting. *Energy & Fuels*, **2020**, 34, 16927-16935	4.1	3
56	An ion-conductive separator for high safety Li metal batteries. *Journal of Power Sources*, **2020**, 475, 228687	8.7	11
55	Conductive FeOOH as Multifunctional Interlayer for Superior Lithium-Sulfur Batteries. *Small*, **2020**, 16, e2002789	11	30
54	Cu3Ge coated by nitrogen-doped carbon nanorods as advanced sodium-ion battery anodes. *Ionics*, **2020**, 26, 719-726	2.7	10
53	Enhanced Photocatalytic H Evolution over ZnInS Flower-Like Microspheres Doped with Black Phosphorus Quantum Dots. *Nanomaterials*, **2019**, 9,	5.4	20
52	Vanadium self-intercalated C/V1.11S2 nanosheets with abundant active sites for enhanced electro-catalytic hydrogen evolution. *Electrochimica Acta*, **2019**, 300, 208-216	6.7	12
51	Lithium Pre-cycling Induced Fast Kinetics of Commercial Sb2S3 Anode for Advanced Sodium Storage. *Energy and Environmental Materials*, **2019**, 2, 209-215	13	10
50	Reduced Graphene Oxide Boosted Ultrafine Cu2SnS3 Nanoparticles for High-performance Sodium Storage. *ChemElectroChem*, **2019**, 6, 2949-2955	4.3	5
49	Improving lithium storage capability of ternary Sn-based sulfides by enhancing inactive/active element ratio. *Solid State Ionics*, **2019**, 337, 47-55	3.3	8

48	Synthesis and characterization of mesoporous BiVO4 nanofibers with enhanced photocatalytic water oxidation performance. *Applied Surface Science*, **2019**, 481, 255-261	6.7	24
47	Freestanding Mo2C-decorating N-doped carbon nanofibers as 3D current collector for ultra-stable Li-S batteries. *Energy Storage Materials*, **2019**, 18, 375-381	19.4	69
46	The distinctive phase stability and defect physics in CsPbI2Br perovskite. *Journal of Materials Chemistry A*, **2019**, 7, 20201-20207	13	34
45	Integration of NaV6O15·nH2O nanowires and rGO as cathode materials for efficient sodium storage. *Applied Surface Science*, **2019**, 494, 458-464	6.7	12
44	Stable Copper Tin Sulfide Nanoflower Modified Carbon Quantum Dots for Improved Supercapacitors. *Journal of Chemistry*, **2019**, 2019, 1-5	2.3	3
43	The fabrication of a 3D current collector with bitter melon-like TiO2@NCNFs for highly stable lithium–sulfur batteries. *Nanoscale Advances*, **2019**, 1, 527-531	5.1	2
42	Lotus Root-Like Nitrogen-Doped Carbon Nanofiber Structure Assembled with VN Catalysts as a Multifunctional Host for Superior Lithium-Sulfur Batteries. *Nanomaterials*, **2019**, 9,	5.4	9
41	TiVN composite hollow mesospheres for high-performance supercapacitors. *Materials Research Express*, **2019**, 6, 025801	1.7	2
40	Modified Nanopillar Arrays for Highly Stable and Efficient Photoelectrochemical Water Splitting. *Global Challenges*, **2019**, 3, 1800027	4.3	3
39	Vanadium nitride-decorated lotus root-like NCNFs as 3D current collector for Li-S batteries. *Materials Letters*, **2019**, 236, 240-243	3.3	8
38	ZnS Nanotubes/Carbon Cloth as a Reversible and High-Capacity Anode Material for Lithium-Ion Batteries. *ChemElectroChem*, **2019**, 6, 461-466	4.3	20
37	SnS/SnSb@C Nanofibers with Enhanced Cycling Stability via Vulcanization as an Anode for Sodium-Ion Batteries. *ChemElectroChem*, **2018**, 5, 1098-1104	4.3	18
36	Cu2GeS3 derived ultrafine nanoparticles as high-performance anode for sodium ion battery. *Science China Materials*, **2018**, 61, 1177-1184	7.1	19
35	Coaxial titanium vanadium nitride core–sheath nanofiberswith enhanced electrocatalytic activity for triiodide reduction in dye-sensitized solar cells. *Electrochimica Acta*, **2018**, 271, 388-396	6.7	7
34	Flower-like Cu2SnS3 Nanostructure Materials with High Crystallinity for Sodium Storage. *Nanomaterials*, **2018**, 8,	5.4	18
33	Fe3O4@CoO mesospheres with core-shell nanostructure as catalyst for Li-O2 batteries. *Applied Surface Science*, **2018**, 457, 804-808	6.7	21
32	Ultrafine NaTi(PO) Nanoparticles Encapsulated in N-CNFs as Ultra-Stable Electrode for Sodium Storage. *Frontiers in Chemistry*, **2018**, 6, 270	5	8
31	Synthesis and Investigation of CuGeO Nanowires as Anode Materials for Advanced Sodium-Ion Batteries. *Nanoscale Research Letters*, **2018**, 13, 193	5	17

30	In Situ Synthesis of All-Solid-State Z-Scheme BiOBrI/Ag/AgI Photocatalysts with Enhanced Photocatalytic Activity Under Visible Light Irradiation. *Nanoscale Research Letters*, **2018**, 13, 368	5	8
29	Flexible Freestanding Carbon Nanofiber-Embedded TiO Nanoparticles as Anode Material for Sodium-Ion Batteries. *Scanning*, **2018**, 2018, 4725328	1.6	2
28	The Ternary Heterostructures of BiOBr/Ultrathin g-C3N4/Black Phosphorous Quantum Dot Composites for Photodegradation of Tetracycline. *Polymers*, **2018**, 10,	4.5	7
27	Insights into the mechanism of the enhanced visible-light photocatalytic activity of black phosphorus/BiVO4 heterostructure: a first-principles study. *Journal of Materials Chemistry A*, **2018**, 6, 19167-19175	13	49
26	Supramolecular hydrogel directed self-assembly of C- and N-doped hollow CuO as high-performance anode materials for Li-ion batteries. *Chemical Communications*, **2017**, 53, 2138-2141	5.8	34
25	Hierarchical ball-in-ball structured nitrogen-doped carbon microspheres as high performance anode for sodium-ion batteries. *Energy Storage Materials*, **2017**, 7, 229-235	19.4	66
24	Encapsulated MnO in N-doping carbon nanofibers as efficient ORR electrocatalysts. *Science China Materials*, **2017**, 60, 937-946	7.1	22
23	A Novel Open-Framework Cu-Ge-Based Chalcogenide Anode Material for Sodium-Ion Battery. *Scanning*, **2017**, 2017, 3876525	1.6	5
22	Engineering Thin MoS2 Nanosheets on TiN Nanorods: Advanced Electrochemical Capacitor Electrode and Hydrogen Evolution Electrocatalyst. *ACS Energy Letters*, **2017**, 2, 1862-1868	20.1	134
21	Understanding and suppressing side reactions in Li–air batteries. *Materials Chemistry Frontiers*, **2017**, 1, 2495-2510	7.8	46
20	Ultrafine N-doped carbon nanoparticles with controllable size to enhance electrocatalytic activity for oxygen reduction reaction. *RSC Advances*, **2016**, 6, 110758-110764	3.7	10
19	Electrospun Nitrogen-Doped Carbon Nanofibers Encapsulating Cobalt Nanoparticles as Efficient Oxygen Reduction Reaction Catalysts. *ChemElectroChem*, **2016**, 3, 1437-1445	4.3	33
18	Compatible interface design of CoO-based Li-O2 battery cathodes with long-cycling stability. *Scientific Reports*, **2015**, 5, 8335	4.9	94
17	Holey tungsten oxynitride nanowires: novel anodes efficiently integrate microbial chemical energy conversion and electrochemical energy storage. *Advanced Materials*, **2015**, 27, 3085-91	24	156
16	A composite gel polymer electrolyte with high voltage cyclability for Ni-rich cathode of lithium-ion battery. *Electrochemistry Communications*, **2015**, 61, 32-35	5.1	31
15	NASICON-Structured NaSn2(PO4)3 with Excellent High-Rate Properties as Anode Material for Lithium Ion Batteries. *Chemistry of Materials*, **2015**, 27, 6668-6674	9.6	22
14	A Ni3S2-PEDOT monolithic electrode for sodium batteries. *Electrochemistry Communications*, **2015**, 50, 24-27	5.1	58
13	Direct Observation of Ordered Oxygen Defects on the Atomic Scale in Li2O2 for Li-O2 Batteries. *Advanced Energy Materials*, **2015**, 5, 1400664	21.8	28

12	A Carbon- and Binder-Free Nanostructured Cathode for High-Performance Nonaqueous Li-O Battery. *Advanced Science*, **2015**, 2, 1500092	13.6	65
11	Conjugated microporous polymers with excellent electrochemical performance for lithium and sodium storage. *Journal of Materials Chemistry A*, **2015**, 3, 1896-1901	13	102
10	Insight into Enhanced Cycling Performance of Li-O2 Batteries Based on Binary CoSe2/CoO Nanocomposite Electrodes. *Journal of Physical Chemistry Letters*, **2014**, 5, 615-21	6.4	50
9	Coaxial Ni(x)Co(2x)(OH)(6x)/TiN nanotube arrays as supercapacitor electrodes. *ACS Nano*, **2013**, 7, 5430-6	13.7	174
8	Nanostructured transition metal nitride composites as energy storage material. *Science Bulletin*, **2012**, 57, 4111-4118		19
7	A renewable bamboo carbon/polyaniline composite for a high-performance supercapacitor electrode material. *Journal of Solid State Electrochemistry*, **2012**, 16, 877-882	2.6	73
6	One dimensional MnO2/titanium nitride nanotube coaxial arrays for high performance electrochemical capacitive energy storage. *Energy and Environmental Science*, **2011**, 4, 3502	35.4	205
5	Molybdenum nitride based hybrid cathode for rechargeable lithium-O2 batteries. *Chemical Communications*, **2011**, 47, 11291-3	5.8	103
4	Mesoporous coaxial titanium nitride-vanadium nitride fibers of core-shell structures for high-performance supercapacitors. *ACS Applied Materials & Interfaces*, **2011**, 3, 3058-63	9.5	161
3	A biocompatible titanium nitride nanorods derived nanostructured electrode for biosensing and bioelectrochemical energy conversion. *Biosensors and Bioelectronics*, **2011**, 26, 4088-94	11.8	29
2	Regulating Lithium Deposition Behaviors by Functional PVDF-HFP/NaTi 2 (PO 4) 3 Composite Separator. *Advanced Materials Interfaces*,2101892	4.6	
1	Enhanced polysulfide redox kinetics by niobium oxynitrides via in-situ adsorptive and catalytic effect in wide temperature range. *Nano Research*,1	10	1