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Nanostructured metal sulfides for energy storage

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#	Paper	IF	Citations
824	Microemulsion-Assisted Synthesis of Nanosized Li?Mn?O Spinel Cathodes for High-Rate Lithium-Ion Batteries. <b>2014</b> , 79, n/a-n/a		
823	Influence of Cu vacancy on knit coir mat structured CuS as counter electrode for quantum dot sensitized solar cells. <b>2014</b> , 6, 19702-9		61
822	Hierarchical, porous CuS microspheres integrated with carbon nanotubes for high-performance supercapacitors. <b>2015</b> , 5, 16584		62
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820	Facile Synthesis of Hexagonal NiCo2O4 Nanoplates as High-Performance Anode Material for Li-Ion Batteries. <b>2015</b> , 36, 2330-2336		14
819	Mesoporous Manganese Sulfide Spheres Anchored on Graphene Sheets as High-Capacity and Long-Life Anode Materials for Lithium-Ion Batteries. <b>2015</b> , 2, 1314-1320		27
818	Synthesis and Characterization of ⊞NiMoO4 Nanorods for Supercapacitor □Application. <b>2015</b> , 2015, 3694-3699		72
817	One-step strategy to a three-dimensional NiS-reduced graphene oxide hybrid nanostructure for high performance supercapacitors. <b>2015</b> , 5, 23073-23079		71
816	Ni3S2@CoS core-shell nano-triangular pyramid arrays on Ni foam for high-performance supercapacitors. <b>2015</b> , 17, 16434-42		133
815	C-IOP/NiO/Ni7S6composite with the inverse opal lattice as an electrode for supercapacitors. <b>2015</b> ,		1
814	Colloidal synthesis of marcasite FeS2 nanoparticles with improved electrochemical performance. <b>2015</b> , 5, 98967-98970		22
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812	NiS hollow spheres for high-performance supercapacitors and non-enzymatic glucose sensors. <b>2015</b> , 10, 679-86		77
811	Ni0.31Co0.69S2 nanoparticles uniformly anchored on a porous reduced graphene oxide framework for a high-performance non-enzymatic glucose sensor. <b>2015</b> , 3, 4922-4930		49
810	Sodium ion storage properties of WSEdecorated three-dimensional reduced graphene oxide microspheres. <i>Nanoscale</i> , <b>2015</b> , 7, 3965-70	7.7	119
809	Synergetic compositional and morphological effects for improved Na+ storage properties of NifoBFeduced graphene oxide composite powders. <i>Nanoscale</i> , <b>2015</b> , 7, 6230-7	7.7	53
808	Porous hexagonal cobalt oxyhydroxide sheets with attached nickel hydroxide nanoparticles as electrode materials for electrochemical supercapacitors. <b>2015</b> , 5, 15674-15681		6

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807	294, 31-50		94
806	Single layers of WS2 nanoplates embedded in nitrogen-doped carbon nanofibers as anode materials for lithium-ion batteries. <i>Nanoscale</i> , <b>2015</b> , 7, 11945-50	7.7	83
805	Vanadium-based nanostructure materials for secondary lithium battery applications. <i>Nanoscale</i> , <b>2015</b> , 7, 14595-607	7.7	82
804	Faradic redox active material of Cu7S4 nanowires with a high conductance for flexible solid state supercapacitors. <i>Nanoscale</i> , <b>2015</b> , 7, 13610-8	7.7	95
803	Vertically oriented Ni3S2/RGO/Ni3S2 nanosheets on Ni foam for superior supercapacitors. <b>2015</b> , 5, 6352	8-63	53 <del>55</del>
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795	Hierarchical CoS2@C hollow microspheres constructed by nanosheets with superior lithium storage. <b>2015</b> , 286, 159-165		52
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793	Graphene nanoplatelets with selectively functionalized edges as electrode material for electrochemical energy storage. <b>2015</b> , 31, 5676-83		23
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791	Pushing Up Lithium Storage through Nanostructured Polyazaacene Analogues as Anode. <b>2015</b> , 54, 7354	-8	181
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788	Hydrothermal synthesis of 3D Ni Co1B2 particles/graphene composite hydrogels for high performance supercapacitors. <b>2015</b> , 90, 44-52	60
787	Electro-deposition of CoNi2S4 flower-like nanosheets on 3D hierarchically porous nickel skeletons with high electrochemical capacitive performance. <b>2015</b> , 3, 23035-23041	84
786	Hierarchical NiCo2S4 hollow spheres as a high performance anode for lithium ion batteries. <b>2015</b> , 5, 84711-84	17 <i><u>1</u>7</i>
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782	Titanium Oxynitride Nanoparticles Anchored on Carbon Nanotubes as Energy Storage Materials. <b>2015</b> , 7, 24212-7	26
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777	One-Dimensional Rod-Like SbBBased Anode for High-Performance Sodium-Ion Batteries. <b>2015</b> , 7, 19362-9	193
776	A novel aqueous asymmetric supercapacitor based on petal-like cobalt selenide nanosheets and nitrogen-doped porous carbon networks electrodes. <b>2015</b> , 297, 351-358	140
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774	Autodecomposition Approach for the Low-Temperature Mesostructuring of Nanocrystal Semiconductor Electrodes. <b>2015</b> , 27, 6337-6344	6
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770	Hydrothermal growth of hierarchical Ni3S2 and Co3S4 on a reduced graphene oxide hydrogel@Ni foam: a high-energy-density aqueous asymmetric supercapacitor. <b>2015</b> , 7, 1122-31	190
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764	Nanoscale Engineering of Heterostructured Anode Materials for Boosting Lithium-Ion Storage. <b>2016</b> , 28, 7580-602	177
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742	The Role of Reduced Graphite Oxide in Transition Metal Oxide Nanocomposites Used as Li Anode Material: An Operando Study on CoFe O /rGO. <b>2016</b> , 22, 16929-16938	14
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740	Carbon Doped MnCo2S4 Microcubes Grown on Ni foam as High Energy Density Faradaic Electrode. <b>2016</b> , 213, 672-679	62
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738	Branched carbon-encapsulated MnS core/shell nanochains prepared via oriented attachment for lithium-ion storage. <b>2016</b> , 4, 12098-12105	54
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707	Synthesis and properties of morphology controllable copper sulphide nanosheets for supercapacitor application. <b>2016</b> , 211, 891-899	67
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705	Facile synthesis of magnetic Fe3S4 nanosheets and their application in lithium-ion storage. <b>2016</b> , 668, 27-32	16
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703	One-step synthesis of NiCo2S4 ultrathin nanosheets on conductive substrates as advanced electrodes for high-efficient energy storage. <b>2016</b> , 306, 100-106	142
702	Layered nickel sulfide-reduced graphene oxide composites synthesized via microwave-assisted method as high performance anode materials of sodium-ion batteries. <b>2016</b> , 302, 202-209	97
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700	Recent advances in graphene-based hybrid nanostructures for electrochemical energy storage. <b>2016</b> , 1, 340-374	79

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698	Controlled synthesis of NiCo2S4 nanostructures on nickel foams for high-performance supercapacitors. <b>2016</b> , 2, 1-7	48
697	Nano iron pyrite (FeS2) exhibits bi-functional electrode character. <b>2016</b> , 6, 16859-16867	27
696	NiCo2S4@Co(OH)2 core-shell nanotube arrays in situ grown on Ni foam for high performances asymmetric supercapacitors. <b>2016</b> , 312, 156-164	293
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692	Synthesis of Lateral Size-Controlled Monolayer 1H-MoS2@Oleylamine as Supercapacitor Electrodes <b>2016</b> , 28, 657-664	115
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689	Shape-controlled synthesis of ∄n2S3 nanocrystals and their lithium storage properties. <b>2016</b> , 18, 250-256	16
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684	Embedding CoS2 nanoparticles in N-doped carbon nanotube hollow frameworks for enhanced lithium storage properties. <b>2017</b> , 10, 4298-4304	122
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681	One-pot solvothermal synthesis of flower-like copper sulfide/reduced graphene oxide composite superstructures as high-performance supercapacitor electrode materials. <b>2017</b> , 28, 5931-5940	20
680	Dual Heteroatom-Doped Carbon Nanofoam-Wrapped Iron Monosulfide Nanoparticles: An Efficient Cathode Catalyst for Li-O Batteries. <b>2017</b> , 10, 1554-1562	11
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678	Template synthesis of CoSe2/Co3Se4 nanotubes: tuning of their crystal structures for photovoltaics and hydrogen evolution in alkaline medium. <b>2017</b> , 5, 4513-4526	125
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669	Atomic Layer Deposition of Iron Sulfide and Its Application as a Catalyst in the Hydrogenation of Azobenzenes. <b>2017</b> , 129, 3274-3279	12
668	Ultrafine TiO2 nanoparticles on reduced graphene oxide as anode materials for lithium ion batteries. <b>2017</b> , 8, 31-34	33
667	Dual-carbon phase-protective cobalt sulfide nanoparticles with cable-type and mesoporous nanostructure for enhanced cycling stability in sodium and lithium ion batteries. <b>2017</b> , 118, 731-742	71
666	Compound Copper Chalcogenide Nanocrystals. <b>2017</b> , 117, 5865-6109	493
665	Carbon nanotube/metal-sulfide composite flexible electrodes for high-performance quantum dot-sensitized solar cells and supercapacitors. <b>2017</b> , 7, 46519	99
664	One-step hydrothermal synthesis of Ni3S4@MoS2 nanosheet on carbon fiber paper as a binder-free anode for supercapacitor. <b>2017</b> , 28, 12747-12754	42

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663	High-performance all-solid-state asymmetrical supercapacitors based on petal-like NiCo 2 S 4 /Polyaniline nanosheets. <b>2017</b> , 325, 134-143	171
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660	Hierarchical NiCo 2 S 4 @PANI core/shell nanowires grown on carbon fiber with enhanced electrochemical performance for hybrid supercapacitors. <b>2017</b> , 323, 330-339	123
659	Wide spectrum responsive CdS/NiTiO3/CoS with superior photocatalytic performance for hydrogen evolution. <b>2017</b> , 7, 2524-2530	39
658	One-pot Hydrothermal Synthesis of RGO/FeS Composite on Fe Foil for High Performance Supercapacitors. <b>2017</b> , 246, 497-506	59
657	In situ formation of ultrafine CoS2 nanoparticles uniformly encapsulated in N/S-doped carbon polyhedron for advanced sodium-ion batteries. <b>2017</b> , 7, 30699-30706	44
656	Nickel Cobalt Sulfide core/shell structure on 3D Graphene for supercapacitor application. <b>2017</b> , 7, 2105	81
655	Comparing different microstructures of CoS formed on bare Ni foam and Ni foam coated graphene and their supercapacitors performance. <b>2017</b> , 529, 57-63	14
654	Electronic reconstruction of hexagonal FeS: a view from density functional dynamical mean-field theory. <b>2017</b> , 4, 036303	5
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651	Biomass derived porous nitrogen doped carbon for electrochemical devices. <b>2017</b> , 2, 84-99	106
650	Self-template synthesis of hollow ellipsoid Ni-Mn sulfides for supercapacitors, electrocatalytic oxidation of glucose and water treatment. <b>2017</b> , 46, 5406-5413	39
649	Formation of porous nitrogen-doped carbon-coating MnO nanospheres for advanced reversible lithium storage. <i>Nanoscale</i> , <b>2017</b> , 9, 5451-5457	56
648	Three-dimensional graphene combined with hierarchical CuS for the design of flexible solid-state supercapacitors. <b>2017</b> , 237, 109-118	65
647	FeSIZINS Composite Nanosheets for Enhanced Lithium Storage Properties. <b>2017</b> , 3, 420-427	6
646	The acceleration intermediate phase (NiS and Ni 3 S 2 ) evolution by nanocrystallization in Li/NiS 2 thermal batteries with high specific capacity. <b>2017</b> , 352, 83-89	33

645	Facile synthesis of NiS hierarchical hollow cubes via Ni formate frameworks for high performance supercapacitors. <b>2017</b> , 320, 22-28	98
644	High lithium anodic performance of N-doped porous biocarbon-integrated indium sulfide thin nanosheets. <b>2017</b> , 41, 3297-3302	7
643	Controllable MnCo2S4 nanostructures for high performance hybrid supercapacitors. <b>2017</b> , 5, 7494-7506	157
642	Facile synthesis of nanoporous CuS nanospheres for high-performance supercapacitor electrodes. <b>2017</b> , 26, 762-767	45
641	Nanohoneycomb-like manganese cobalt sulfide/three dimensional graphene-nickel foam hybid electrodes for high-rate capability supercapacitors. <b>2017</b> , 396, 1816-1824	57
640	A Review on Design Strategies for Carbon Based Metal Oxides and Sulfides Nanocomposites for High Performance Li and Na Ion Battery Anodes. <b>2017</b> , 7, 1601424	389
639	AlO coated metal sulfides: one-pot synthesis and enhanced lithium storage stability via localized in situ conversion reactions. <b>2017</b> , 46, 1260-1265	4
638	Facile synthesis of NiCo2S4 spheres with granular core used as supercapacitor electrode materials. <b>2017</b> , 28, 5686-5695	12
637	Ruthenium sulfide nanoparticles as a new pseudocapacitive material for supercapacitor. 2017, 227, 85-94	138
636	Ultrafine Co-based Nanoparticle@Mesoporous Carbon Nanospheres toward High-Performance Supercapacitors. <b>2017</b> , 9, 1746-1758	56
635	Microwave-assisted Synthesis of CuS/Graphene Composite for Enhanced Lithium Storage Properties. <b>2017</b> , 225, 443-451	61
634	Core-shell structured ZnS-C nanoparticles with enhanced electrochemical properties for high-performance lithium-ion battery anodes. <b>2017</b> , 225, 129-136	54
633	Flexible and high capacity lithium-ion battery anode based on a carbon nanotube/electrodeposited nickel sulfide paper-like composite. <b>2017</b> , 7, 49739-49744	15
632	Rapidly Synthesized, Few-Layered Pseudocapacitive SnS Anode for High-Power Sodium Ion Batteries. <b>2017</b> , 9, 40187-40196	86
631	A hierarchical carbon@TiO2@MoS2 nanofibrous composite derived from cellulose substance as an anodic material for lithium-ion batteries. <b>2017</b> , 728, 506-517	24
630	Synthesis of Mesoporous CoS and NiCoS with Superior Supercapacitive Performance Using a Facile Solid-Phase Sulfurization. <b>2017</b> , 9, 36837-36848	49
629	CoS Quantum Dot Nanoclusters for High-Energy Potassium-Ion Batteries. <b>2017</b> , 27, 1702634	311
628	FeS Nanoparticles Wrapped in an rGO Matrix for Promising Energy Storage: Outstanding Cyclic and Rate Performance. <b>2017</b> , 9, 37694-37701	79

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627	Syntheses and Energy Storage Applications of MxSy (M = Cu, Ag, Au) and Their Composites: Rechargeable Batteries and Supercapacitors. <b>2017</b> , 27, 1703949	126
626	Three-Dimensional Co3O4@NiCo2S4 Core/Shell Nanoflower Array with Enhanced Electrochemical Performance. <b>2017</b> , 2, 9537-9545	6
625	In situ transmission electron microscopy study of individual nanostructures during lithiation and delithiation processes. <b>2017</b> , 5, 20072-20094	23
624	Phase-Controlled Colloidal Syntheses of Iron Sulfide Nanocrystals via Sulfur Precursor Reactivity and Direct Pyrite Precipitation. <b>2017</b> , 29, 8521-8530	38
623	Charge storage at the nanoscale: understanding the trends from the molecular scale perspective. <b>2017</b> , 5, 21049-21076	39
622	Hierarchical NiS/N-doped carbon composite hollow spheres with excellent supercapacitor performance. <b>2017</b> , 5, 21257-21265	138
621	Nanostructured binary and ternary metal sulfides: synthesis methods and their application in energy conversion and storage devices. <b>2017</b> , 5, 22040-22094	241
620	Self-Assembled Cu-Sn-S Nanotubes with High (De)Lithiation Performance. <b>2017</b> , 11, 10347-10356	24
619	Rodlike SbSe Wrapped with Carbon: The Exploring of Electrochemical Properties in Sodium-Ion Batteries. <b>2017</b> , 9, 34979-34989	78
618	Scalable synthesis of SnS/S-doped graphene composites for superior Li/Na-ion batteries. <i>Nanoscale</i> , <b>2017</b> , 9, 14820-14825	78
617	Synthesis of Carbon Self-Repairing Porous g-C3N4 Nanosheets/NiCo2S4 Nanoparticles Hybrid Composite as High-Performance Electrode Materials for Supercapacitors. <b>2017</b> , 253, 68-77	54
616	ReviewElectrodeposition of Nanostructured Materials from Aqueous, Organic and Ionic Liquid Electrolytes for Li-Ion and Na-Ion Batteries: A Comparative Review. <b>2017</b> , 164, D597-D612	30
615	NiS2/FeS Holey Film as Freestanding Electrode for High-Performance Lithium Battery. <b>2017</b> , 7, 1701309	70
614	Electrochemical approach of chemically synthesized HgS nanoparticles as supercapacitor electrode. <b>2017</b> , 209, 97-101	38
613	Diversified copper sulfide (CuS) micro-/nanostructures: a comprehensive review on synthesis, modifications and applications. <i>Nanoscale</i> , <b>2017</b> , 9, 11357-11404	111
612	Universal Nanopatterning Technique Combining Secondary Sputtering with Nanoscale Electroplating for Fabricating Size-Controllable Ultrahigh-Resolution Nanostructures. <b>2017</b> , 33, 8260-8266	4
611	Template-free synthesis of hierarchical hollow NiS microspheres for supercapacitor. <b>2017</b> , 507, 290-299	44
610	Controllable preparation of highly uniform CuCo 2 S 4 materials as battery electrode for energy storage with enhanced electrochemical performances. <b>2017</b> , 249, 64-71	48

609	Nanostructured Metal Chalcogenides for Energy Storage and Electrocatalysis. 2017, 27, 1702317		234
608	Strategies for Improving the Functionality of Zeolitic Imidazolate Frameworks: Tailoring Nanoarchitectures for Functional Applications. <b>2017</b> , 29, 1700213		270
607	Electrodeposition and Capacitance Measurements of WS2Thin Films. 2017, 164, D681-D686		9
606	High-energy asymmetric supercapacitors based on free-standing hierarchical Co-Mo-S nanosheets with enhanced cycling stability. <i>Nanoscale</i> , <b>2017</b> , 9, 13747-13759	7.7	83
605	Rational geometrical engineering of palladium sulfide multi-arm nanostructures as a superior bi-functional electrocatalyst. <i>Nanoscale</i> , <b>2017</b> , 9, 12628-12636	7.7	14
604	Structurally Stable Mesoporous Hierarchical NiMoO4 Hollow Nanofibers for Asymmetric Supercapacitors with Enhanced Capacity and Improved Cycling Stability. <b>2017</b> , 4, 3331-3339		23
603	Vertically-aligned Co3O4 nanowires interconnected with Co(OH)2 nanosheets as supercapacitor electrode. <b>2017</b> , 139, 1153-1158		47
602	A review of transition metal chalcogenide/graphene nanocomposites for energy storage and conversion. <b>2017</b> , 28, 2180-2194		127
601	Carbon coated bimetallic sulfide nanodots/carbon nanorod heterostructure enabling long-life lithium-ion batteries. <b>2017</b> , 5, 25625-25631		30
600	General and Scalable Solid-State Synthesis of 2D MPS3 (M = Fe, Co, Ni) Nanosheets and Tuning Their Li/Na Storage Properties. <b>2017</b> , 1, 1700304		57
599	High Lithium Storage Capacity and Long Cycling Life FeS Anodes with Reversible Solid Electrolyte Interface Films and Sandwiched Reduced Graphene Oxide Shells. <b>2017</b> , 9, 41878-41886		30
598	Synthesis of graphene wrapped porous CoMoO4 nanospheres as high-performance anodes for rechargeable lithium-ion batteries. <b>2017</b> , 7, 51506-51511		17
597	Recent progress in conversion reaction metal oxide anodes for Li-ion batteries. <b>2017</b> , 1, 2213-2242		196
596	Synthesis, structure and applications of graphene-based 2D heterostructures. <b>2017</b> , 46, 4572-4613		206
595	CoS nanosheet arrays grown on nickel foam as an excellent OER catalyst. 2017, 723, 772-778		53
594	High Specific Capacitance and Energy density of Synthesized Graphene Oxide based Hierarchical Al2S3 Nanorambutan for Supercapacitor Applications. <b>2017</b> , 246, 1097-1103		43
593	Electrospun Nanomaterials for Supercapacitor Electrodes: Designed Architectures and Electrochemical Performance. <b>2017</b> , 7, 1601301		246
592	A facile method to prepare FeS/porous carbon composite as advanced anode material for lithium-ion batteries. <b>2017</b> , 52, 2345-2355		50

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591	Studies on intrinsic phase-dependent electrochemical properties of MnS nanocrystals as anodes for lithium-ion batteries. <b>2017</b> , 338, 9-16	55
590	Template-free formation of carbon nanotube-supported cobalt sulfide@carbon hollow nanoparticles for stable and fast sodium ion storage. <b>2017</b> , 339, 41-50	60
589	Synthesis of RGO/Cu8S5/PPy Composite Nanosheets with Enhanced Peroxidase-Like Activity for Sensitive Colorimetric Detection of H2O2 and Phenol. <b>2017</b> , 34, 1600233	28
588	Nanoporous CuS nano-hollow spheres as advanced material for high-performance supercapacitors. <b>2017</b> , 394, 425-430	92
587	Well-structured holographic polymer dispersed liquid crystals by employing acrylamide and doping ZnS nanoparticles. <b>2017</b> , 1, 294-303	19
586	Ni0.37Co0.63S2-reduced graphene oxide nanocomposites for highly efficient electrocatalytic oxygen evolution and photocatalytic pollutant degradation. <b>2017</b> , 21, 183-192	5
585	Synthesis of tremella-like CoS and its application in sensing of hydrogen peroxide and glucose. <b>2017</b> , 70, 430-437	46
584	Hollow mesoporous hetero-NiCo2S4/Co9S8 submicro-spindles: unusual formation and excellent pseudocapacitance towards hybrid supercapacitors. <b>2017</b> , 5, 133-144	210
583	Low temperature fabrication of hydrangea-like NiCo2S4 as electrode materials for high performance supercapacitors. <b>2017</b> , 186, 206-209	16
582	Mesoporous EMnS nanospheres as anode materials for Li ion batteries. <b>2017</b> , 188, 13-16	8
581	Nanoparticles Encapsulated in Porous Carbon Matrix Coated on Carbon Fibers: An Ultrastable Cathode for Li-Ion Batteries. <b>2017</b> , 7, 1601363	39
580	A green and scalable dry synthesis of NiCo2O4/graphene nanohybrids for high-performance supercapacitor and enzymeless glucose biosensor applications. <b>2017</b> , 696, 193-200	74
579	Effects of carbon content on the electrochemical properties of spherical pyrrhotine/carbon nanocomposites. <b>2017</b> , 23, 907-915	
578	Structural evolution of a metallinganic framework and derived hybrids composed of metallic cobalt and copper encapsulated in nitrogen-doped porous carbon cubes with high catalytic performance. <b>2017</b> , 19, 64-71	31
577	In-situ carbon coated CuCo2S4 anode material for Li-ion battery applications. 2017, 418, 30-39	26
576	3D flower-like CoNi 2 S 4 grown on graphene decorated nickel foam as high performance supercapacitor. <b>2017</b> , 73, 169-176	18
575	Mechanochemical approach for the capping of mixed core CdS/ZnS nanocrystals: Elimination of cadmium toxicity. <b>2017</b> , 486, 97-111	22
574	Functionalisation of Colloidal Transition Metal Sulphides Nanocrystals: A Fascinating and Challenging Playground for the Chemist. <b>2017</b> , 7, 110	17

573	Unusual Na Ion Intercalation/Deintercalation in Metal-Rich CuS for Na-Ion Batteries. 2018, 12, 2827-2837	103
572	Controlling the Sulfidation Process of Iron Nanoparticles: Accessing Ironlion Sulfide Core-Shell Structures. <b>2018</b> , 4, 663-669	5
571	Facile synthesis of a NiO/NiS hybrid and its use as an efficient electrode material for supercapacitor applications. <b>2018</b> , 42, 5309-5313	31
570	Hybrid NiCo2O4-NiCo2S4 Nanoflakes as High-Performance Anode Materials for Lithium-Ion Batteries. <b>2018</b> , 3, 2315-2320	9
569	Atomic visualization of a non-equilibrium sodiation pathway in copper sulfide. <b>2018</b> , 9, 922	50
568	One-step synthesis of hollow C-NiCoS nanostructures for high-performance supercapacitor electrodes. <i>Nanoscale</i> , <b>2018</b> , 10, 6620-6628	213
567	Cobalt sulfide aerogel prepared by anion exchange method with enhanced pseudocapacitive and water oxidation performances. <b>2018</b> , 29, 215601	7
566	Photo-assisted synthesis of coaxial-structured polypyrrole/electrochemically hydrogenated TiO nanotube arrays as a high performance supercapacitor electrode <b>2018</b> , 8, 13393-13400	7
565	Facile synthesis of Co3O4 nanosheets from MOF nanoplates for high performance anodes of lithium-ion batteries. <b>2018</b> , 5, 1602-1608	33
564	Binary iron sulfides as anode materials for rechargeable batteries: Crystal structures, syntheses, and electrochemical performance. <b>2018</b> , 379, 41-52	65
563	Preparation of nanoporous nickelcopper sulfide on carbon cloth for high-performance hybrid supercapacitors. <b>2018</b> , 273, 170-180	34
562	Anions induced evolution of $Co3X4$ (X = O, S, Se) as sodium-ion anodes: The influences of electronic structure, morphology, electrochemical property. <b>2018</b> , 48, 617-629	171
561	Nanoengineering of 2D tin sulfide nanoflake arrays incorporated on polyaniline nanofibers with boosted capacitive behavior. <b>2018</b> , 5, 031005	15
560	Vapor phase sulfurization synthesis of interlayer-expanded MoS2@C hollow nanospheres as a robust anode material for lithium-ion batteries. <b>2018</b> , 745, 8-15	23
559	Template synthesis of carbon-coated Co9S8 composite with largely improved capacity for lithium ion batteries. <b>2018</b> , 217, 163-166	9
558	Towards flexible solid-state supercapacitors for smart and wearable electronics. <b>2018</b> , 47, 2065-2129	936
557	The application of nanostructured transition metal sulfides as anodes for lithium ion batteries. <b>2018</b> , 27, 1536-1554	109
556	A Novel Capacitive Negative Electrode Material of Fe3N. <b>2018</b> , 13, 1850002	6

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555	Phase and composition controlled synthesis of cobalt sulfide hollow nanospheres for electrocatalytic water splitting. <i>Nanoscale</i> , <b>2018</b> , 10, 4816-4824	7.7	165
554	Facial Grinding Method for Synthesis of High-Purity CuS Nanosheets. <b>2018</b> , 57, 2759-2764		18
553	Tailoring synthesis of Ni3S2 nanosheets with high electrochemical performance by electrodeposition. <b>2018</b> , 29, 1092-1098		7
552	In-situ sulfuration synthesis of sandwiched spherical tin sulfide/sulfur-doped graphene composite with ultra-low sulfur content. <b>2018</b> , 378, 81-89		27
551	Sulfur Immobilization by Themical AnchorIto Suppress the Diffusion of Polysulfides in LithiumBulfur Batteries. <b>2018</b> , 5, 1701274		73
550	Hierarchically Porous Carbon Derived from Peanut Shells for High-performance Lithium-sulfur Batteries. <b>2018</b> , 47, 236-239		3
549	Ni <b>L</b> o composite metal embedded porous N-doped carbon for an effective binder-free supercapacitor electrode. <b>2018</b> , 33, 1167-1178		6
548	Symmetric supercapacitor with supercapattery behavior based on carbonized iron cations adsorbed onto polyaniline. <b>2018</b> , 262, 82-96		38
547	Ultrafine CoS nanoparticles embedded in a nitrogen-doped porous carbon hollow nanosphere composite as an anode for superb sodium-ion batteries and lithium-ion batteries. <i>Nanoscale</i> , <b>2018</b> , 10, 2804-2811	7.7	47
546	3D meso/macroporous Ni3S2@Ni composite electrode for high-performance supercapacitor. <b>2018</b> , 275, 40-49		45
545	Rational design of NiCo2S4 nanoparticles @ N-doped CNT for hybrid supercapacitor. <b>2018</b> , 447, 165-172	2	40
544	MetalBrganic framework derived hollow materials for electrochemical energy storage. <b>2018</b> , 6, 6754-67	71	176
543	Target construction of ultrathin graphitic carbon encapsulated FeS hierarchical microspheres featuring superior low-temperature lithium/sodium storage properties. <b>2018</b> , 6, 7997-8005		44
542	Enhanced pseudocapacitance contribution to outstanding Li-storage performance for a reduced graphene oxide-wrapped FeS composite anode. <b>2018</b> , 6, 7155-7161		33
541	A rational microstructure design of SnS-carbon composites for superior sodium storage performance. <i>Nanoscale</i> , <b>2018</b> , 10, 7999-8008	7.7	29
540	Synthesis, Structure, and Electrochemical Characteristics of Carbon Inverse Opals. <b>2018</b> , 9, 92-99		2
539	High-performance symmetric supercapacitor based on flower-like zinc molybdate. <b>2018</b> , 731, 1151-1158	3	53
538	Sucrose derived carbon coated silicon nanowires for supercapacitor application. <b>2018</b> , 29, 1947-1954		15

537	Facile synthesis of NiS anchored carbon nanofibers for high-performance supercapacitors. <b>2018</b> , 434, 112-119	62
536	Enhanced stability of sodium storage exhibited by carbon coated Sb2S3 hollow spheres. <b>2018</b> , 203, 185-192	54
535	Facile and Controllable One-Pot Synthesis of Hierarchical Co9S8 Hollow Microspheres as High-Performance Electroactive Materials for Energy Storage and Conversion. <b>2018</b> , 5, 137-143	13
534	Mixed Metal Sulfides for Electrochemical Energy Storage and Conversion. <b>2018</b> , 8, 1701592	503
533	Ni3S4 supported on carbon cloth for high-performance flexible all-solid-state asymmetric supercapacitors. <b>2018</b> , 29, 2525-2536	33
532	Self-template synthesis of double shelled ZnS-NiS1.97 hollow spheres for electrochemical energy storage. <b>2018</b> , 435, 993-1001	59
531	Direct fabrication of two-dimensional copper sulfide nanoplates on transparent conducting glass for planar supercapacitor. <b>2018</b> , 735, 2378-2383	18
530	Noble metal-free metal-organic framework-derived onion slice-type hollow cobalt sulfide nanostructures: Enhanced activity of CdS for improving photocatalytic hydrogen production. <b>2018</b> , 224, 230-238	75
529	Asymmetric supercapacitor based on vanadium disulfide nanosheets as a cathode and carbonized iron cations adsorbed onto polyaniline as an anode. <b>2018</b> , 260, 11-23	50
528	Novel urchin-like Co9S8 nanomaterials with efficient intrinsic peroxidase-like activity for colorimetric sensing of copper (II) ion. <b>2018</b> , 258, 32-41	32
527	One step hydrothermal synthesis of novel Cu2S-MoO3 nanocomposite for lithium ion battery and photocatalytic applications. <b>2018</b> , 43, 4003-4014	21
526	Thiourea sensor development based on hydrothermally prepared CMO nanoparticles for environmental safety. <b>2018</b> , 99, 586-592	39
525	A cobalt sulfide cluster-based catholyte for aqueous flow battery applications. <b>2018</b> , 6, 21927-21932	8
524	Superior cycling stability of a crystalline/amorphous Co3S4 corellhell heterostructure for aqueous hybrid supercapacitors. <b>2018</b> , 6, 21350-21359	34
523	Sulfidation of iron confined in nitrogen-doped carbon nanotubes to prepare novel anode materials for lithium ion batteries. <b>2018</b> , 33, 544-553	11
522	In-situ Synthesis and Properties of Porous Cobalt Sulfide Nanoneedle Bundles Arrays on Nickel Foam as Electrodes for Supercapacitors. <b>2018</b> , 47, 1359-1364	2
521	Phase-dependent structural and electrochemical properties of single crystalline MnS thin films deposited by DC reactive sputtering. <b>2018</b> , 124, 195106	23
520	Konjac Glucomannan Derived Carbon Aerogels for Multifunctional Applications. <b>2018</b> , 13, 1850113	5

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519	Performance as a Lithium-Ion Battery Cathode. <b>2019</b> , 13, 1490-1498	42
518	Hierarchical Nanotubes Constructed by Co S /MoS Ultrathin Nanosheets Wrapped with Reduced Graphene Oxide for Advanced Lithium Storage. <b>2019</b> , 14, 170-176	2
517	FeS2 walnut-like microspheres wrapped with rGO as anode material for high-capacity and long-cycle lithium-ion batteries. <b>2018</b> , 292, 1-9	47
516	Tungsten-Based Materials for Lithium-Ion Batteries. <b>2018</b> , 28, 1707500	80
515	Layered Bimetallic Metal-Organic Material Derived Cu2SnS3/SnS2/C Composite for Anode Applications in Lithium-Ion Batteries. <b>2018</b> , 5, 3764-3770	9
514	Toward a high-performance Li-ion battery: Constructing a Co1½S/ZnS@C composite derived from metal-organic framework @3D disordered polystyrene sphere template. <b>2018</b> , 160, 636-641	16
513	Superlithiated Polydopamine Derivative for High-Capacity and High-Rate Anode for Lithium-Ion Batteries. <b>2018</b> , 10, 38101-38108	40
512	Double-shelled hollow hetero-MnCo2S4/CoS1.097 spheres with carbon coating for advanced supercapacitors. <b>2018</b> , 408, 65-73	43
511	[email[protected]/Polyaniline/MWCNT Nanocomposite as High-Performance Electrode for Supercapacitor. <b>2018</b> , 122, 27180-27190	60
510	Bottom-Up Construction of Reduced-Graphene-Oxide-Anchored MnO with an Nitrogen-Doped Carbon Coating for Synergistically Improving Lithium-Ion Storage. <b>2018</b> , 57, 13693-13701	9
509	Hierarchical nanostructure-tuned super-high electrochemical stability of nickel cobalt sulfide. <b>2018</b> , 6, 19788-19797	13
508	Thermal Decomposition of CdS Nanowires Assisted by ZIF-67 to Induce the Formation of Co9S8-Based Carbon Nanomaterials with High Lithium-Storage Abilities. <b>2018</b> , 1, 6242-6249	7
507	Honeycomb-like Ni3S2 supported on Ni foam as high performance free-standing cathode for lithium oxygen batteries. <b>2018</b> , 290, 657-665	37
506	Common Battery Anode Testing Protocols Are Not Suitable for New Combined Alloying and Conversion Materials. <b>2018</b> , 5, 3757-3763	1
505	Solvent-controlled morphology of bismuth sulfide for supercapacitor applications. <b>2018</b> , 53, 16511-16523	28
504	Surface Chemistry during Atomic-Layer Deposition of Nickel Sulfide from Nickel Amidinate and H2S. <b>2018</b> , 122, 21514-21520	18
503	Double-Morphology CoS Anchored on N-Doped Multichannel Carbon Nanofibers as High-Performance Anode Materials for Na-Ion Batteries. <b>2018</b> , 10, 31441-31451	57
502	Layered tin sulfide and selenide anode materials for Li- and Na-ion batteries. <b>2018</b> , 6, 12185-12214	177

501	Superfast Electrodeposition of Newly Developed RuCo2O4 Nanobelts over Low-Cost Stainless Steel Mesh for High-Performance Aqueous Supercapacitor. <b>2018</b> , 5, 1800283	30
500	Self-Standing Carbon Nanofiber and SnO2 Nanorod Composite as a High-Capacity and High-Rate-Capability Anode for Lithium-Ion Batteries. <b>2018</b> , 1, 2982-2989	22
499	Synthesis of hierarchically porous NiCo2S4 core-shell hollow spheres via self-template route for high performance supercapacitors. <b>2018</b> , 453, 288-296	82
498	Conductivity and Pseudocapacitance Optimization of Bimetallic Antimony-Indium Sulfide Anodes for Sodium-Ion Batteries with Favorable Kinetics. <b>2018</b> , 5, 1800613	39
497	Novel Hydrothermal Synthesis of CoS2/MWCNT Nanohybrid Electrode for Supercapacitor: A Systematic Investigation on the Influence of MWCNT. <b>2018</b> , 122, 18237-18246	35
496	One-Dimensional Integrated MnS@Carbon Nanoreactors Hybrid: An Alternative Anode for Full-Cell Li-lon and Na-lon Batteries. <b>2018</b> , 10, 27911-27919	38
495	Surface topography control of NiS/Ni3S4 nanosheets for the promotion of electrochemical performance. <b>2018</b> , 87, 546-553	5
494	New Frontiers on van der Waals Layered Metal Phosphorous Trichalcogenides. <b>2018</b> , 28, 1802151	125
493	CoS nanoparticle-decorated carbon nanofibers as high-performance supercapacitor electrodes <b>2018</b> , 8, 27574-27579	17
492	High Capacity All-Solid-State Lithium Batteries Enabled by Pyrite-Sulfur Composites. <b>2018</b> , 8, 1801462	60
491	Flexible Mn-decorated NiCo2S4 coreBhell nanowire arrays for a high performance hybrid supercapacitor electrode with a long cycle life. <b>2018</b> , 20, 4735-4744	42
490	Cu2S@ N, S Dual-Doped Carbon Matrix Hybrid as Superior Anode Materials for Lithium/Sodium ion Batteries. <b>2018</b> , 5, 2135-2141	35
489	Synthesis and enhanced electrochemical performance of PANI/Fe3O4 nanocomposite as supercapacitor electrode. <b>2018</b> , 757, 466-475	55
488	Synthesis of 2D Metal Chalcogenide Thin Films through the Process Involving Solution-Phase Deposition. <b>2018</b> , 30, e1707577	29
487	Aligned Copper Zinc Tin Sulfide Nanorods as Lithium-Ion Battery Anodes with High Specific Capacities. <b>2018</b> , 122, 20090-20098	15
486	Low crystalline 2D CoSx derived from cobalt carbonate hydroxide by sulfidation at room temperature for supercapacitor. <b>2018</b> , 286, 14-21	15
485	One-Pot Synthesis of NiCoS Hollow Spheres via Sequential Ion-Exchange as an Enhanced Oxygen Bifunctional Electrocatalyst in Alkaline Solution. <b>2018</b> , 10, 29521-29531	74
484	Enhanced cycle stability of a NiCoS nanostructured electrode for supercapacitors fabricated by the alternate-dip-coating method. <b>2018</b> , 5, 180506	3

483	nanocomposites: Promising electrode materials for high-performance energy storage applications. <b>2018</b> , 281, 571-581	9
482	Modifying Current Collectors to Produce High Volumetric Energy Density and Power Density Storage Devices. <b>2018</b> , 10, 21262-21280	15
481	Tailoring Rod-Like FeSe2 Coated with Nitrogen-Doped Carbon for High-Performance Sodium Storage. <b>2018</b> , 28, 1801765	196
480	Tailoring Porosity in Copper-Based Multinary Sulfide Nanostructures for Energy, Biomedical, Catalytic, and Sensing Applications. <b>2018</b> , 1, 3042-3062	34
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