

# Guozhong Cao

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

518  
papers

35,194  
citations

96  
h-index

164  
g-index

543  
ext. papers

39,722  
ext. citations

10.3  
avg, IF

7.89  
L-index

#	Paper	IF	Citations
518	Optimizing nanostructure and constructing heterostructure via Mo/W incorporation to improve electrochemical properties of NiCoP for hybrid supercapacitors. <i>Science China Materials</i> , <b>2022</b> , 65, 1195	7.1	1
517	Cathode Materials for Rechargeable Aqueous Zn Batteries <b>2022</b> ,		0
516	Enhanced ion transport behaviors in composite polymer electrolyte: the case of a looser chain folding structure. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 3226-3232	13	1
515	Constructing Heterostructured Bimetallic Selenides on an N-Doped Carbon Nanoframework as Anodes for Ultrastable Na-Ion Batteries.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	5
514	Layered Cathode Materials: Precursors, Synthesis, Microstructure, Electrochemical Properties, and Battery Performance.. <i>Small</i> , <b>2022</b> , e2107697	11	0
513	Oxygen-Vacancy-Rich NiMnZn-Layered Double Hydroxide Nanosheets Married with Mo <sub>2</sub> CT <sub>x</sub> MXene for High-Efficiency All-Solid-State Hybrid Supercapacitors. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 3346-3358	6.1	1
512	Isotype Heterojunction-Boosted CO Photoreduction to CO.. <i>Nano-Micro Letters</i> , <b>2022</b> , 14, 74	19.5	7
511	Building Ultra-Stable and Low-Polarization Composite Zn Anode Interface via Hydrated Polyzwitterionic Electrolyte Construction.. <i>Nano-Micro Letters</i> , <b>2022</b> , 14, 93	19.5	3
510	Surface spinel and interface oxygen vacancies enhanced lithium-rich layered oxides with excellent electrochemical performances. <i>Chemical Engineering Journal</i> , <b>2022</b> , 136434	14.7	2
509	In-situ constructing slow-release Li-Al-O interface layer for lithium metal batteries to enhance interface stability and suppress lithium dendrite growth. <i>Chemical Engineering Journal</i> , <b>2022</b> , 136827	14.7	0
508	A High Power Density Solid Electrolyte Based on Polycaprolactone for High-Performance All-Solid-State Flexible Lithium Batteries. <i>Electrochimica Acta</i> , <b>2022</b> , 140624	6.7	1
507	Engineering hydrated vanadium oxide by K <sup>+</sup> and Ni <sup>2+</sup> incorporation for aqueous zinc ion batteries. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 287, 126358	4.4	
506	Stability and Kinetics Enhancement of Hydrated Vanadium Oxide via Sodium-ion Pre-intercalation. <i>Materials Today Energy</i> , <b>2022</b> , 101063	7	
505	Expanded MoSe Nanosheets Vertically Bonded on Reduced Graphene Oxide for Sodium and Potassium-Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 13158-13169	9.5	30
504	Faster Diffusion and Higher Lithium-Ion Intercalation Capacity in Pb-Jarosite than Na-Jarosite. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 2248-2256	6.1	3
503	A High-Voltage Hybrid Solid Electrolyte Based on Polycaprolactone for High-Performance all-Solid-State Flexible Lithium Batteries. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 2318-2326	6.1	9
502	Enhanced supercapacitive properties of hydrohausmannite by in-situ polymerization of polypyrrole. <i>Electrochimica Acta</i> , <b>2021</b> , 376, 137989	6.7	4

501	Enhanced Reversible Zinc Ion Intercalation in Deficient Ammonium Vanadate for High-Performance Aqueous Zinc-Ion Battery. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 116	19.5	25
500	Wire-in-Wire TiO/C Nanofibers Free-Standing Anodes for Li-Ion and K-Ion Batteries with Long Cycling Stability and High Capacity. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 107	19.5	20
499	Impacts of fluorine in NASICON-type materials as cathodes for aqueous zinc ion batteries. <i>Energy Science and Engineering</i> , <b>2021</b> , 9, 938	3.4	2
498	Macaroni-Like Blue-Gray Nb <sub>2</sub> O <sub>5</sub> Nanotubes for High-Reversible Lithium-Ion Storage. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2100028	1.6	1
497	Oxygen migration induced effective magnetic and resistive switching boosted by graphene quantum dots. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 863, 158339	5.7	2
496	Tailoring nanostructured transition metal phosphides for high-performance hybrid supercapacitors. <i>Nano Today</i> , <b>2021</b> , 38, 101201	17.9	19
495	Tailoring Pore Structures of 3D Printed Cellular High-Loading Cathodes for Advanced Rechargeable Zinc-Ion Batteries. <i>Small</i> , <b>2021</b> , 17, e2100746	11	10
494	Interphases, Interfaces, and Surfaces of Active Materials in Rechargeable Batteries and Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2021</b> , 33, e1905245	24	18
493	Enhancing sodium-ion storage performance of MoO <sub>2</sub> /N-doped carbon through interfacial Mo-N-C bond. <i>Science China Materials</i> , <b>2021</b> , 64, 85-95	7.1	24
492	Oxygen-deficient TiO <sub>2</sub> Yolk-shell Spheres for Enhanced Lithium Storage Properties. <i>Energy and Environmental Materials</i> , <b>2021</b> ,	13	4
491	Melamine-assisted synthesis of ultrafine Mo <sub>2</sub> C/Mo <sub>2</sub> N@N-doped carbon nanofibers for enhanced alkaline hydrogen evolution reaction activity. <i>Science China Materials</i> , <b>2021</b> , 64, 1150-1158	7.1	7
490	Sodium ion storage performance and mechanism in orthorhombic V <sub>2</sub> O <sub>5</sub> single-crystalline nanowires. <i>Science China Materials</i> , <b>2021</b> , 64, 557-570	7.1	13
489	Ferroelectricity and Piezoelectricity of Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> Nanotube Arrays: Implications for Functional Electronic Devices. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 1294-1304	5.6	1
488	Direct Ink Writing of Li Al Ti (PO) <sub>4</sub> -Based Solid-State Electrolytes with Customized Shapes and Remarkable Electrochemical Behaviors. <i>Small</i> , <b>2021</b> , 17, e2002866	11	10
487	Sodium vanadate/PEDOT nanocables rich with oxygen vacancies for high energy conversion efficiency zinc ion batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 40, 209-218	19.4	23
486	In Situ Defect Induction in Close-Packed Lattice Plane for the Efficient Zinc Ion Storage. <i>Small</i> , <b>2021</b> , 17, e2101944	11	7
485	A universal strategy towards 3D printable nanomaterial inks for superior cellular high-loading battery electrodes. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 16086-16092	13	7
484	Silica Nanoparticles Coated with Smaller Au Nanoparticles for the Enhancement of Optical Oxygen Sensing. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 14146-14152	5.6	0

483	Impacts of Oxygen Vacancies on Zinc Ion Intercalation in VO. <i>ACS Nano</i> , <b>2020</b> , 14, 5581-5589	16.7	110
482	Bimetallic organic framework derivation of three-dimensional and heterogeneous metal selenides/carbon composites as advanced anodes for lithium-ion batteries. <i>Nanoscale</i> , <b>2020</b> , 12, 12623-12631	7.7	17
481	Polypyrrole coated MnO nanosheet arrays as a highly stable lithium-ion-storage anode. <i>Dalton Transactions</i> , <b>2020</b> , 49, 7903-7913	4.3	10
480	Unraveling the roles of mesoporous TiO <sub>2</sub> framework in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells. <i>Science China Materials</i> , <b>2020</b> , 63, 1151-1162	7.1	14
479	3D printed cellular cathodes with hierarchical pores and high mass loading for LiFeS <sub>2</sub> battery. <i>Electrochimica Acta</i> , <b>2020</b> , 349, 136331	6.7	10
478	The NH Group Induced Formation of 3D Co(OH) Curly Nanosheet Aggregates as Efficient Oxygen Evolution Electrocatalysts. <i>Small</i> , <b>2020</b> , 16, e2001973	11	10
477	Nickel induced electronic structural regulation of cobalt hydroxide for enhanced water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 6699-6708	13	17
476	Rational design of the pea-pod structure of SiO <sub>x</sub> /C nanofibers as a high-performance anode for lithium ion batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 1762-1769	6.8	11
475	Catalyzing zinc-ion intercalation in hydrated vanadates for aqueous zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 7713-7723	13	41
474	Effect of synthesis pH and EDTA on iron hexacyanoferrate for sodium-ion batteries. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 2884-2891	5.8	5
473	Artificial interface stabilized LiNi <sub>0.80</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> @Polysiloxane cathode for stable cycling lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2020</b> , 471, 228480	8.9	15
472	Layered ternary metal oxides: Performance degradation mechanisms as cathodes, and design strategies for high-performance batteries. <i>Progress in Materials Science</i> , <b>2020</b> , 111, 100655	42.2	42
471	Tailoring SPEEK/SPVdF-co-HFP/La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> Ternary Composite Membrane for Cation Exchange Membrane Fuel Cells. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 4881-4894	3.9	14
470	Nanosulfonated silica incorporated SPEEK/SPVdF-HFP polymer blend membrane for PEM fuel cell application. <i>Ionics</i> , <b>2020</b> , 26, 3447-3458	2.7	19
469	Fast and reversible zinc ion intercalation in Al-ion modified hydrated vanadate. <i>Nano Energy</i> , <b>2020</b> , 70, 104519	17.1	100
468	AuAg alloy nanoparticles with tunable cavity for plasmon-enhanced photocatalytic H <sub>2</sub> evolution. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 49, 1-7	12	20
467	Three-Dimensional Self-assembled Hairball-Like VS as High-Capacity Anodes for Sodium-Ion Batteries. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 39	19.5	15
466	Surface-defect passivation through complexation with organic molecules leads to enhanced power conversion efficiency and long term stability of perovskite photovoltaics. <i>Science China Materials</i> , <b>2020</b> , 63, 479-480	7.1	7

465	Controlled crystallinity and morphologies of 2D Ruddlesden-Popper perovskite films grown without anti-solvent for solar cells. <i>Chemical Engineering Journal</i> , <b>2020</b> , 394, 124959	14.7	14
464	Structural engineering of hydrated vanadium oxide cathode by K <sup>+</sup> incorporation for high-capacity and long-cycling aqueous zinc ion batteries. <i>Energy Storage Materials</i> , <b>2020</b> , 29, 9-16	19.4	63
463	Conduction Response in Highly Flexible Nonvolatile Memory Devices. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 2000151	6.4	5
462	Dual-ion batteries: The emerging alternative rechargeable batteries. <i>Energy Storage Materials</i> , <b>2020</b> , 25, 1-32	19.4	83
461	3D printing-based cellular microelectrodes for high-performance asymmetric quasi-solid-state micro-pseudocapacitors. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 1749-1756	13	24
460	Highly dispersed Co-Mo sulfide nanoparticles on reduced graphene oxide for lithium and sodium ion storage. <i>Nano Research</i> , <b>2020</b> , 13, 188-195	10	17
459	Resistive Switching in Nonperovskite-Phase CsPbI <sub>3</sub> Film-Based Memory Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 9409-9420	9.5	10
458	Switchable Perovskite Photovoltaic Sensors for Bioinspired Adaptive Machine Vision. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 2070092	6	2
457	Carbon quantum dot modified Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> as a high-performance cathode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 18872-18879	13	25
456	Switchable Perovskite Photovoltaic Sensors for Bioinspired Adaptive Machine Vision. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 2000122	6	21
455	Cross-Linked SPEEK/PBA/PTEOS-Modified CaTiO <sub>3</sub> Perovskites for Efficient Acid-Base Cation-Exchange Membrane Fuel Cell. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 10087-10099	4.1	11
454	Sulfur-Rich (NH) <sub>4</sub> MoS <sub>4</sub> as a Highly Reversible Anode for Sodium/Potassium-Ion Batteries. <i>ACS Nano</i> , <b>2020</b> , 14, 9626-9636	16.7	16
453	Active Materials for Aqueous Zinc Ion Batteries: Synthesis, Crystal Structure, Morphology, and Electrochemistry. <i>Chemical Reviews</i> , <b>2020</b> , 120, 7795-7866	68.1	347
452	Dual-Constrained Sulfur in FeS <sub>2</sub> @C Nanostructured Lithium-Sulfide Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 10950-10960	6.1	5
451	Electrospun Ta-doped TiO <sub>2</sub> /C nanofibers as a high-capacity and long-cycling anode material for Li-ion and K-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 20666-20676	13	24
450	Dual interface coupled molybdenum diselenide for high-performance sodium ion batteries and capacitors. <i>Journal of Power Sources</i> , <b>2020</b> , 446, 227298	8.9	18
449	Chemically Bonding NiFe-LDH Nanosheets on rGO for Superior Lithium-Ion Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 35977-35986	9.5	38
448	A flexible self-charged power panel for harvesting and storing solar and mechanical energy. <i>Nano Energy</i> , <b>2019</b> , 65, 104082	17.1	18

447	Highly effective fabrication of two dimensional metal oxides as high performance lithium storage anodes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3924-3932	13	19
446	Hierarchical ZnO Microspheres Embedded in TiO <sub>2</sub> Photoanode for Enhanced CdS/CdSe Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 1259-1265	6.1	4
445	Necklace-like Si@C nanofibers as robust anode materials for high performance lithium ion batteries. <i>Science Bulletin</i> , <b>2019</b> , 64, 261-269	10.6	45
444	Expanded hydrated vanadate for high-performance aqueous zinc-ion batteries. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 2273-2285	35.4	277
443	A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binder-Free Anodes for Sodium-Ion Batteries. <i>Advanced Science</i> , <b>2019</b> , 6, 1900162	13.6	58
442	Interface Engineering V O Nanofibers for High-Energy and Durable Supercapacitors. <i>Small</i> , <b>2019</b> , 15, e1901747	11	36
441	V <sub>2</sub> O <sub>3</sub> /C nanocomposites with interface defects for enhanced intercalation pseudocapacitance. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 635-643	6.7	33
440	Yolk-shell structured V <sub>2</sub> O <sub>3</sub> microspheres wrapped in N, S co-doped carbon as pea-pod nanofibers for high-capacity lithium ion batteries. <i>Chemical Engineering Journal</i> , <b>2019</b> , 374, 545-553	14.7	50
439	Towards a durable high performance anode material for lithium storage: stabilizing N-doped carbon encapsulated FeS nanosheets with amorphous TiO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16541-16552	13	16
438	High Energy Capacitors Based on All Metal-Organic Frameworks Derivatives and Solar-Charging Station Application. <i>Small</i> , <b>2019</b> , 15, e1902280	11	35
437	Revealing the impacts of metastable structure on the electrochemical properties: The case of MnS. <i>Journal of Power Sources</i> , <b>2019</b> , 431, 75-83	8.9	12
436	A cross-like hierarchical porous lithium-rich layered oxide with (110)-oriented crystal planes as a high energy density cathode for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 13120-13129	13	19
435	Sulfur-deficient MoS <sub>2</sub> grown inside hollow mesoporous carbon as a functional polysulfide mediator. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12068-12074	13	77
434	Oxygen vacancy-enriched MoO <sub>3</sub> nanobelts for asymmetric supercapacitors with excellent room/low temperature performance. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 13205-13214	13	64
433	Enhanced-performance of self-powered flexible quantum dot photodetectors by a double hole transport layer structure. <i>Nanoscale</i> , <b>2019</b> , 11, 9626-9632	7.7	12
432	Nanoflake-constructed porous Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C hierarchical microspheres as a bicontinuous cathode for sodium-ion batteries applications. <i>Nano Energy</i> , <b>2019</b> , 60, 312-323	17.1	97
431	Microbelt-void-microbelt-structured SnO <sub>2</sub> @C as an advanced electrode with outstanding rate capability and high reversibility. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10523-10533	13	19
430	A C <sub>60</sub> /TiO <sub>x</sub> bilayer for conformal growth of perovskite films for UV stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11086-11094	13	53

429	Understanding the electrochemical potential and diffusivity of MnO/C nanocomposites at various charge/discharge states. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7831-7842	13	23
428	Aqueous Al-Ion Supercapacitor with VO Mesoporous Carbon Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15573-15580	9.5	35
427	Tailoring Energy and Power Density through Controlling the Concentration of Oxygen Vacancies in VO/PEDOT Nanocable-Based Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 16647-16655	9.5	34
426	Oxygen-deficient titanium dioxide as a functional host for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10346-10353	13	74
425	Tin sulfide nanoparticles embedded in sulfur and nitrogen dual-doped mesoporous carbon fibers as high-performance anodes with battery-capacitive sodium storage. <i>Energy Storage Materials</i> , <b>2019</b> , 18, 366-374	19.4	78
424	Free-standing SnS/C nanofiber anodes for ultralong cycle-life lithium-ion batteries and sodium-ion batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 17, 1-11	19.4	136
423	Bimetallic phosphides embedded in hierarchical P-doped carbon for sodium ion battery and hydrogen evolution reaction applications. <i>Science China Materials</i> , <b>2019</b> , 62, 1857-1867	7.1	15
422	Na-Ion Batteries: A Confined Replacement Synthesis of Bismuth Nanodots in MOF Derived Carbon Arrays as Binder-Free Anodes for Sodium-Ion Batteries (Adv. Sci. 16/2019). <i>Advanced Science</i> , <b>2019</b> , 6, 1970098	13.6	3
421	Nano-FeC@PGC as a novel low-cost anode electrocatalyst for superior performance microbial fuel cells. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 142, 111594	11.8	34
420	Facile and scalable engineering of a heterogeneous microstructure for uniform, stable and fast lithium plating/stripping. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19104-19111	13	26
419	V2O5/Conductive polymer nanocables with built-in local electric field derived from interfacial oxygen vacancies for high energy density supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17966-17973	12	28
418	SnP/Carbon Nanocomposite as an Anode Material for Potassium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 26976-26984	9.5	54
417	3D-printed interdigitated graphene framework as superior support of metal oxide nanostructures for remarkable micro-pseudocapacitors. <i>Electrochimica Acta</i> , <b>2019</b> , 319, 245-252	6.7	33
416	Kinetic surface control for improved magnesium-electrolyte interfaces for magnesium ion batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 22, 96-104	19.4	46
415	A review on recent developments and challenges of cathode materials for rechargeable aqueous Zn-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18209-18236	13	209
414	Potassium nickel hexacyanoferrate as cathode for high voltage and ultralong life potassium-ion batteries. <i>Energy Storage Materials</i> , <b>2019</b> , 22, 120-127	19.4	34
413	SnS Nanosheets Confined Growth by S and N Codoped Graphene with Enhanced Pseudocapacitance for Sodium-Ion Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 41363-41373	9.5	45
412	Engineering Halide Perovskite Crystals through Precursor Chemistry. <i>Small</i> , <b>2019</b> , 15, e1903613	11	47

411	Electrocatalytic oxygen reduction reaction activity of KOH etched carbon films as metal-free cathodic catalysts for fuel cells.. <i>RSC Advances</i> , <b>2019</b> , 9, 2803-2811	3.7	2
410	Constructing metallic zinc/cobalt sulfide hierarchical core-shell nanosheet arrays derived from 2D metal-organic-frameworks for flexible asymmetric supercapacitors with ultrahigh specific capacitance and performance. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7138-7150	13	61
409	Covalent organic framework-regulated ionic transportation for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 26540-26548	13	31
408	Amorphous NiWO <sub>4</sub> Nanospheres with High-Conductivity and -Capacitive Performance for Supercapacitors. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 30067-30076	3.8	10
407	Strategies for Building Robust Traffic Networks in Advanced Energy Storage Devices: A Focus on Composite Electrodes. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804204	24	50
406	Microwave dielectric properties of B and N co-doped SiC nanopowders prepared by combustion synthesis. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 777, 1039-1043	5.7	14
405	Hierarchical Microspheres of Aggregated Silicon Nanoparticles with Nanometre Gaps as the Anode for Lithium-Ion Batteries with Excellent Cycling Stability. <i>ChemElectroChem</i> , <b>2019</b> , 6, 1139-1148	4.3	5
404	Morphological and structural evolution of Si-Cu nanocomposites by an instantaneous vapor-liquid-solid growth and the electrochemical lithiation/delithiation performances. <i>Journal of Solid State Electrochemistry</i> , <b>2019</b> , 23, 735-748	2.6	9
403	Hierarchical mesoporous MoSe <sub>2</sub> @CoSe/N-doped carbon nanocomposite for sodium ion batteries and hydrogen evolution reaction applications. <i>Energy Storage Materials</i> , <b>2019</b> , 21, 97-106	19.4	73
402	From scalable solution fabrication of perovskite films towards commercialization of solar cells. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 518-549	35.4	192
401	Gradient Oxygen Vacancies in V <sub>2</sub> O <sub>5</sub> /PEDOT Nanocables for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 668-677	6.1	37
400	Facile fabrication of interconnected-mesoporous T-Nb <sub>2</sub> O <sub>5</sub> nanofibers as anodes for lithium-ion batteries. <i>Science China Materials</i> , <b>2019</b> , 62, 465-473	7.1	23
399	Graphene-Encapsulated FeS in Carbon Fibers as High Reversible Anodes for Na /K Batteries in a Wide Temperature Range. <i>Small</i> , <b>2019</b> , 15, e1804740	11	82
398	Uniform MnCoO Porous Dumbbells for Lithium-Ion Batteries and Oxygen Evolution Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 8730-8738	9.5	54
397	MoSe <sub>2</sub> nanosheets perpendicularly grown on graphene with Mo-C bonding for sodium-ion capacitors. <i>Nano Energy</i> , <b>2018</b> , 47, 224-234	17.1	270
396	Porous graphite: A facile synthesis from ferrous gluconate and excellent performance as anode electrocatalyst of microbial fuel cell. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 109, 116-122	11.8	22
395	A new polyacrylonitrile fiber for direct carbonization without oxidation. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 8232-8240	4.3	5
394	Ni <sub>0.85</sub> Co <sub>0.15</sub> WO <sub>4</sub> nanosheet electrodes for supercapacitors with excellent electrical conductivity and capacitive performance. <i>Nano Energy</i> , <b>2018</b> , 48, 430-440	17.1	49



393	Heterogeneous NiS/NiO multi-shelled hollow microspheres with enhanced electrochemical performances for hybrid-type asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9153-9160	13	76
392	Hierarchically carbon-coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanoflakes for high-rate capability and ultralong cycle-life sodium ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 339, 162-169	14.7	46
391	Correlating electrocatalytic oxygen reduction activity with d-band centers of metallic nanoparticles. <i>Energy Storage Materials</i> , <b>2018</b> , 13, 189-198	19.4	22
390	Non-volatile strain realized in the PNZST ceramics by K doping. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 742, 1-6	5.7	1
389	S-doped carbon@TiO <sub>2</sub> to store Li <sup>+</sup> /Na <sup>+</sup> with high capacity and long life-time. <i>Energy Storage Materials</i> , <b>2018</b> , 13, 215-222	19.4	41
388	Room-Temperature Construction of Mixed-Halide Perovskite Quantum Dots with High Photoluminescence Quantum Yield. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 5151-5160	3.8	47
387	Phosphorized SnO <sub>2</sub> /graphene heterostructures for highly reversible lithium-ion storage with enhanced pseudocapacitance. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 3479-3487	13	96
386	Fabrication of tunable aluminum nanodisk arrays via a self-assembly nanoparticle template method and their applications for performance enhancement in organic photovoltaics. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 3649-3658	13	7
385	Hexamethylenetetramine-mediated growth of grain-boundary-passivation CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> for highly reproducible and stable perovskite solar cells. <i>Journal of Power Sources</i> , <b>2018</b> , 377, 103-109	8.9	23
384	Reversible and fast Na-ion storage in MoO <sub>2</sub> /MoSe <sub>2</sub> heterostructures for high energy-high power Na-ion capacitors. <i>Energy Storage Materials</i> , <b>2018</b> , 12, 241-251	19.4	94
383	Self-templating synthesis of double-wall shelled vanadium oxide hollow microspheres for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 6792-6799	13	26
382	Facile one-step fabrication of Cd <sub>0.12</sub> Se <sub>0.88</sub> quantum dots with a ZnSe/ZnS-passivation layer for highly efficient quantum dot sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9866-9873	13	30
381	Metal-organic framework-derived porous shuttle-like vanadium oxides for sodium-ion battery application. <i>Nano Research</i> , <b>2018</b> , 11, 449-463	10	85
380	Nanoflake-assembled three-dimensional Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C cathode for high performance sodium ion batteries. <i>Chemical Engineering Journal</i> , <b>2018</b> , 335, 301-308	14.7	38
379	Twin-nanoplate assembled hierarchical Ni/MnO porous microspheres as advanced anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 259, 419-426	6.7	17
378	Revitalized interest in vanadium pentoxide as cathode material for lithium-ion batteries and beyond. <i>Energy Storage Materials</i> , <b>2018</b> , 11, 205-259	19.4	157
377	Tubular MoO <sub>2</sub> organized by 2D assemblies for fast and durable alkali-ion storage. <i>Energy Storage Materials</i> , <b>2018</b> , 11, 161-169	19.4	54
376	Inverse Capacity Growth and Pocket Effect in SnS Semifilled Carbon Nanotube Anode. <i>ACS Nano</i> , <b>2018</b> , 12, 8037-8047	16.7	61

375	A low crystallinity oxygen-vacancy-rich Co <sub>3</sub> O <sub>4</sub> cathode for high-performance flexible asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 16094-16100	13	122
374	Synergistic combination of semiconductor quantum dots and organic-inorganic halide perovskites for hybrid solar cells. <i>Coordination Chemistry Reviews</i> , <b>2018</b> , 374, 279-313	23.2	39
373	Improved rate performance of Prussian blue cathode materials for sodium ion batteries induced by ion-conductive solid-electrolyte interphase layer. <i>Journal of Power Sources</i> , <b>2018</b> , 399, 42-48	8.9	22
372	Mechanism of cycling degradation and strategy to stabilize a nickel-rich cathode. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 16149-16163	13	66
371	Carbon fabric supported 3D cobalt oxides/hydroxide nanosheet network as cathode for flexible all-solid-state asymmetric supercapacitor. <i>Dalton Transactions</i> , <b>2018</b> , 47, 11503-11511	4.3	23
370	Monolayer-like hybrid halide perovskite films prepared by additive engineering without antisolvents for solar cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 15386-15394	13	35
369	Encapsulation of CoS Nanocrystals into N/S Co-Doped Honeycomb-Like 3D Porous Carbon for High-Performance Lithium Storage. <i>Advanced Science</i> , <b>2018</b> , 5, 1800829	13.6	121
368	Hybrid rinse solvent processing highly flat perovskite films on planar substrate. <i>Electrochemistry Communications</i> , <b>2018</b> , 91, 71-74	5.1	1
367	Effects of doping aluminum chloride on stabilization and properties of polyacrylonitrile-based carbon fibers. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46902	2.9	
366	Synergistic coupling of lamellar MoSe <sub>2</sub> and SnO <sub>2</sub> nanoparticles via chemical bonding at interface for stable and high-power sodium-ion capacitors. <i>Chemical Engineering Journal</i> , <b>2018</b> , 354, 1164-1173	14.7	48
365	Solvent-salt synergy offers a safe pathway towards next generation high voltage Li-ion batteries. <i>Science China Materials</i> , <b>2018</b> , 61, 1360-1362	7.1	4
364	Vacuum-Evaporated ZnO Photoanode, Applied in Quantum Dot-Sensitized Solar Cells (CdS-CdSe). <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1800356	1.6	2
363	Surface Engineering of Quantum Dots for Remarkably High Detectivity Photodetectors. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 3285-3294	6.4	28
362	High-Voltage-Efficiency Inorganic Perovskite Solar Cells in a Wide Solution-Processing Window. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 3646-3653	6.4	54
361	FUNDAMENTALS OF RECHARGEABLE BATTERIES AND ELECTROCHEMICAL POTENTIALS OF ELECTRODE MATERIALS <b>2018</b> , 397-451		3
360	REVITALIZED INTEREST IN VANADIUM PENTOXIDE AS CATHODE MATERIAL FOR ALKALI-ION BATTERIES <b>2018</b> , 453-580		
359	TIN-BASED COMPOUNDS AS ANODE MATERIALS FOR LITHIUM-ION STORAGE <b>2018</b> , 581-638		
358	BEYOND LI ION: ELECTRODE MATERIALS FOR SODIUM AND MAGNESIUM-ION BATTERIES <b>2018</b> , 639-755		

357	N-doped one-dimensional carbonaceous backbones supported MoSe <sub>2</sub> nanosheets as superior electrodes for energy storage and conversion. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 2190-2200	14.7	66
356	Manipulation of charge transport in ferroelectric-semiconductor hybrid for photoelectrochemical applications. <i>Nano Energy</i> , <b>2018</b> , 44, 63-72	17.1	39
355	In situ assembly of well-defined Au nanoparticles in TiO <sub>2</sub> films for plasmon-enhanced quantum dot sensitized solar cells. <i>Nano Energy</i> , <b>2018</b> , 44, 135-143	17.1	33
354	Enhancing the Rate Performance of a Li <sub>3</sub> VO <sub>4</sub> Anode through Cu Doping. <i>ChemElectroChem</i> , <b>2018</b> , 5, 478-482	4.3	17
353	Nearly monodisperse PbS quantum dots for highly efficient solar cells: an in situ seeded ion exchange approach. <i>Chemical Communications</i> , <b>2018</b> , 54, 12598-12601	5.8	14
352	Increase of power conversion efficiency in dye-sensitized solar cells through ferroelectric substrate induced charge transport enhancement. <i>Scientific Reports</i> , <b>2018</b> , 8, 17389	4.9	8
351	Facile synthesis of Nb <sub>2</sub> O <sub>5</sub> /carbon nanocomposites as advanced anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 292, 63-71	6.7	50
350	Novel MnO <sub>2</sub> /cobalt composites nanosheets array as efficient anode for asymmetric supercapacitor. <i>Electrochimica Acta</i> , <b>2018</b> , 292, 39-46	6.7	16
349	Three-Dimensional Carbon-Coated Treelike NiS Superstructures on a Nickel Foam as Binder-Free Bifunctional Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 36018-36027	9.5	34
348	CuInSe Quantum Dots Hybrid Hole Transfer Layer for Halide Perovskite Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 35656-35663	9.5	22
347	Cryptomelane-type MnO <sub>2</sub> /carbon nanotube hybrids as bifunctional electrode material for high capacity potassium-ion full batteries. <i>Nano Energy</i> , <b>2018</b> , 54, 106-115	17.1	72
346	Repairing Defects of Halide Perovskite Films To Enhance Photovoltaic Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 37005-37013	9.5	34
345	Significant Stability Enhancement of Perovskite Solar Cells by Facile Adhesive Encapsulation. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 25260-25267	3.8	19
344	S-doped porous carbon confined SnS nanospheres with enhanced electrochemical performance for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18286-18292	13	51
343	Hierarchical ZnO microspheres photoelectrodes assembled with Zn chalcogenide passivation layer for high efficiency quantum dot sensitized solar cells. <i>Journal of Power Sources</i> , <b>2018</b> , 401, 255-262	8.9	10
342	Flexible all-solid-state ultrahigh-energy asymmetric supercapacitors based on tailored morphology of NiCoO <sub>2</sub> /Ni(OH) <sub>2</sub> /Co(OH) <sub>2</sub> electrodes. <i>CrystEngComm</i> , <b>2018</b> , 20, 6519-6528	3.3	12
341	In situ formation of porous graphitic carbon wrapped MnO/Ni microsphere networks as binder-free anodes for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 12316-12322	13	20
340	Impacts of Mn ion in ZnSe passivation on electronic band structure for high efficiency CdS/CdSe quantum dot solar cells. <i>Dalton Transactions</i> , <b>2018</b> , 47, 9634-9642	4.3	10

339	Self-supported binder-free carbon fibers/MnO <sub>2</sub> electrodes derived from disposable bamboo chopsticks for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 699, 126-135	5.7	49
338	Nitrogen-Doped Yolk-Shell-Structured CoSe <sub>2</sub> /C Dodecahedra for High-Performance Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3624-3633	9.5	197
337	High performance silicon/organic hybrid solar cells via improving conductivity of PEDOT:PSS with reduced graphene oxide. <i>Applied Surface Science</i> , <b>2017</b> , 407, 398-404	6.7	33
336	One-pot synthesis of in-situ carbon-coated FeO as a long-life lithium-ion battery anode. <i>Nanotechnology</i> , <b>2017</b> , 28, 155603	3.4	29
335	Self-templated synthesis of N-doped CoSe <sub>2</sub> /C double-shelled dodecahedra for high-performance supercapacitors. <i>Energy Storage Materials</i> , <b>2017</b> , 8, 28-34	19.4	77
334	Enhanced Electrochemical Properties of Li VO with Controlled Oxygen Vacancies as Li-Ion Battery Anode. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 5368-5374	4.8	33
333	Continuous Size Tuning of Monodispersed ZnO Nanoparticles and Its Size Effect on the Performance of Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9785-9794	9.5	38
332	Black TiO <sub>2</sub> Nanomaterials for Lithium-Ion Batteries <b>2017</b> , 249-273		1
331	Walnut-like Porous Core/Shell TiO with Hybridized Phases Enabling Fast and Stable Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 10652-10663	9.5	145
330	Enhanced storage of sodium ions in Prussian blue cathode material through nickel doping. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 9604-9610	13	66
329	Search for better materials for rechargeable electric energy storage. <i>National Science Review</i> , <b>2017</b> , 4, 16-16	10.8	4
328	Controlled growth of Cu <sub>3</sub> Se <sub>2</sub> nanosheets array counter electrode for quantum dots sensitized solar cell through ion exchange. <i>Science China Materials</i> , <b>2017</b> , 60, 637-645	7.1	25
327	Atomic level understanding of the nanoscale Kirkendall effect. <i>Science Bulletin</i> , <b>2017</b> , 62, 818-819	10.6	1
326	Lead-free organic-inorganic halide perovskites grown with nontoxic solvents. <i>Science Bulletin</i> , <b>2017</b> , 62, 901-902	10.6	4
325	A Multifunctional Protein Coating for Self-Assembled Porous Nanostructured Electrodes. <i>ACS Omega</i> , <b>2017</b> , 2, 1679-1686	3.9	14
324	Single Nozzle Electrospinning Synthesized MoO <sub>2</sub> @C Core Shell Nanofibers with High Capacity and Long-Term Stability for Lithium-Ion Storage. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1600816	4.6	69
323	Nanoporous carbon leading to the high performance of a Na <sub>3</sub> V <sub>2</sub> O <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F@carbon/graphene cathode in a sodium ion battery. <i>CrystEngComm</i> , <b>2017</b> , 19, 4287-4293	3.3	19
322	Energy Storage: A Phase-Separation Route to Synthesize Porous CNTs with Excellent Stability for Na <sup>+</sup> Storage (Small 22/2017). <i>Small</i> , <b>2017</b> , 13,	11	4

321	Facile synthesis of ultrathin NiCo <sub>2</sub> S <sub>4</sub> nano-petals inspired by blooming buds for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7144-7152	13	189
320	A Phase-Separation Route to Synthesize Porous CNTs with Excellent Stability for Na Storage. <i>Small</i> , <b>2017</b> , 13, 1604045	11	32
319	Design of coherent anode materials with 0D Ni <sub>3</sub> S <sub>2</sub> nanoparticles self-assembled on 3D interconnected carbon networks for fast and reversible sodium storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7394-7402	13	112
318	Highly Efficient and Stable Perovskite Solar Cells Based on Monolithically Grained CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Film. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602017	21.8	247
317	Impacts of surface or interface chemistry of ZnSe passivation layer on the performance of CdS/CdSe quantum dot sensitized solar cells. <i>Nano Energy</i> , <b>2017</b> , 32, 433-440	17.1	60
316	Phase Transition Induced Synthesis of Layered/Spinel Heterostructure with Enhanced Electrochemical Properties. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604349	15.6	63
315	Energy storage through intercalation reactions: electrodes for rechargeable batteries. <i>National Science Review</i> , <b>2017</b> , 4, 26-53	10.8	74
314	High-performance Si/organic hybrid solar cells using a novel cone-shaped Si nanoholes structures and back surface passivation layer. <i>Nano Energy</i> , <b>2017</b> , 41, 519-526	17.1	16
313	Colloidal engineering for monolayer CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> films toward high performance perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24168-24177	13	71
312	Fabrication of hybrid Co <sub>3</sub> O <sub>4</sub> /NiCo <sub>2</sub> O <sub>4</sub> nanosheets sandwiched by nanoneedles for high-performance supercapacitors using a novel electrochemical ion exchange. <i>Science China Materials</i> , <b>2017</b> , 60, 1168-1178	7.1	23
311	Monolithic MAPbI <sub>3</sub> films for high-efficiency solar cells via coordination and a heat assisted process. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 21313-21319	13	109
310	Understanding the phase transitions in spinel-layered-rock salt system: Criterion for the rational design of LLO/spinel nanocomposites. <i>Nano Energy</i> , <b>2017</b> , 40, 566-575	17.1	41
309	Highly Reversible Sodium-ion Storage in NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Composite Nanofibers. <i>Electrochimica Acta</i> , <b>2017</b> , 252, 523-531	6.7	25
308	Superior sodium storage performance of additive-free V <sub>2</sub> O <sub>5</sub> thin film electrodes. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 16590-16594	13	47
307	Flexible and Wearable All-Solid-State Supercapacitors with Ultrahigh Energy Density Based on a Carbon Fiber Fabric Electrode. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700409	21.8	131
306	Chemical Synthesis of 3D Graphene-Like Cages for Sodium-Ion Batteries Applications. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700797	21.8	91
305	Rational design of multi-shelled CoO/Co <sub>9</sub> S <sub>8</sub> hollow microspheres for high-performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18448-18456	13	78
304	Hydrothermal synthesis of coherent porous V <sub>2</sub> O <sub>3</sub> /carbon nanocomposites for high-performance lithium- and sodium-ion batteries. <i>Science China Materials</i> , <b>2017</b> , 60, 717-727	7.1	47

303	Impacts of Reduced Graphene Oxide in CdS/CdSe Quantum Dots Co-sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 18430-18438	3.8	20
302	Superior Pseudocapacitive Lithium-Ion Storage in Porous Vanadium Oxides@C Heterostructure Composite. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43665-43673	9.5	61
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300	Low Temperature Synthesis of Large-Size Anatase TiO Nanosheets with Enhanced Photocatalytic Activities. <i>Small</i> , <b>2017</b> , 13, 1701964	11	7
299	Universal organic anodes enable safe low-cost aqueous rechargeable batteries with long cycle life, high capacity, and fast kinetics. <i>Science China Materials</i> , <b>2017</b> , 60, 789-791	7.1	3
298	Rational synthesis of SnS <sub>2</sub> @C hollow microspheres with superior stability for lithium-ion batteries. <i>Science China Materials</i> , <b>2017</b> , 60, 955-962	7.1	9
297	Doping boric acid into polyacrylonitrile fibers prior to drying process and the effects on stabilization. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 9452-9464	4.3	6
296	Exploiting High-Performance Anode through Tuning the Character of Chemical Bonds for Li-Ion Batteries and Capacitors. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601127	21.8	133
295	Stabilization of organometal halide perovskite films by SnO <sub>2</sub> coating with inactive surface hydroxyl groups on ZnO nanorods. <i>Journal of Power Sources</i> , <b>2017</b> , 339, 51-60	8.9	49
294	Photocatalysis: Low Temperature Synthesis of Large-Size Anatase TiO <sub>2</sub> Nanosheets with Enhanced Photocatalytic Activities (Small 48/2017). <i>Small</i> , <b>2017</b> , 13, 1770255	11	1
293	Design and Control of Nanostructures and Interfaces for Excitonic Solar Cells. <i>Engineering Materials and Processes</i> , <b>2017</b> , 635-679		
292	Novel synthesis of V <sub>2</sub> O <sub>5</sub> hollow microspheres for lithium ion batteries. <i>Science China Materials</i> , <b>2016</b> , 59, 567-573	7.1	23
291	Effects of Preinserted Na Ions on Li-Ion Electrochemical Intercalation Properties of V <sub>2</sub> O <sub>5</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 24629-37	9.5	32
290	Ultrathin ALD coating on TiO <sub>2</sub> photoanodes with enhanced quantum dot loading and charge collection in quantum dots sensitized solar cells. <i>Science China Materials</i> , <b>2016</b> , 59, 833-841	7.1	20
289	Efficiency Enhancement of Quantum Dot Sensitized TiO/ZnO Nanorod Arrays Solar Cells by Plasmonic Ag Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26675-26682	9.5	62
288	Enhanced Electron Collection in Perovskite Solar Cells Employing Thermoelectric NaCoO <sub>3</sub> /TiO <sub>2</sub> Coaxial Nanofibers. <i>Small</i> , <b>2016</b> , 12, 5146-5152	11	15
287	High power high safety battery with electrospun Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode and Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anode with 95% energy efficiency. <i>Energy Storage Materials</i> , <b>2016</b> , 5, 93-102	19.4	40
286	Effects of high surface energy on lithium-ion intercalation properties of Ni-doped Li <sub>3</sub> VO <sub>4</sub> . <i>NPG Asia Materials</i> , <b>2016</b> , 8, e287-e287	10.3	24

285	FeOx@carbon yolk/shell nanowires with tailored void spaces as stable and high-capacity anodes for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12487-12496	13	38
284	Carbon wrapped hierarchical Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> microspheres for high performance lithium ion batteries. <i>Scientific Reports</i> , <b>2016</b> , 6, 33682	4.9	18
283	3D flexible O/N Co-doped graphene foams for supercapacitor electrodes with high volumetric and areal capacitances. <i>Journal of Power Sources</i> , <b>2016</b> , 336, 455-464	8.9	46
282	A novel anion-exchange strategy for constructing high performance PbS quantum dot-sensitized solar cells. <i>Nano Energy</i> , <b>2016</b> , 30, 559-569	17.1	35
281	Amorphous VPO <sub>4</sub> /C with the enhanced performances as an anode for lithium ion batteries. <i>Journal of Materiomics</i> , <b>2016</b> , 2, 350-357	6.7	13
280	Enhanced Performance of PbS-quantum-dot-sensitized Solar Cells via Optimizing Precursor Solution and Electrolytes. <i>Scientific Reports</i> , <b>2016</b> , 6, 23094	4.9	63
279	Correlation between the in-plane substrate strain and electrocatalytic activity of strontium ruthenate thin films in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 10794-10800	13	23
278	The effect of nitrogen annealing on lithium ion intercalation in nickel-doped lithium trivanadate. <i>Science Bulletin</i> , <b>2016</b> , 61, 587-593	10.6	6
277	Insights into degradation of metallic lithium electrodes protected by a bilayer solid electrolyte based on aluminium substituted lithium lanthanum titanate in lithium-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11124-11138	13	28
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275	High performance of Mn-doped CdSe quantum dot sensitized solar cells based on the vertical ZnO nanorod arrays. <i>Journal of Power Sources</i> , <b>2016</b> , 325, 438-445	8.9	64
274	Controlled growth of textured perovskite films towards high performance solar cells. <i>Nano Energy</i> , <b>2016</b> , 27, 17-26	17.1	96
273	Dodecahedron-Shaped Porous Vanadium Oxide and Carbon Composite for High-Rate Lithium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 17303-11	9.5	35
272	Novel Carbon-Encapsulated Porous SnO <sub>2</sub> Anode for Lithium-Ion Batteries with Much Improved Cyclic Stability. <i>Small</i> , <b>2016</b> , 12, 1945-55	11	207
271	MnO nanoparticles with cationic vacancies and discrepant crystallinity dispersed into porous carbon for Li-ion capacitors. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 3362-3370	13	71
270	Dynamic Growth of Pinhole-Free Conformal CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Film for Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 4684-90	9.5	44
269	Investigation of the role of Mn dopant in CdS quantum dot sensitized solar cell. <i>Electrochimica Acta</i> , <b>2016</b> , 191, 62-69	6.7	46
268	Understanding electrochemical potentials of cathode materials in rechargeable batteries. <i>Materials Today</i> , <b>2016</b> , 19, 109-123	21.8	573

267	Hollow-Cuboid Li <sub>3</sub> VO <sub>4</sub> /C as High-Performance Anodes for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 680-8	9.5	63
266	Phosphorus/sulfur Co-doped porous carbon with enhanced specific capacitance for supercapacitor and improved catalytic activity for oxygen reduction reaction. <i>Journal of Power Sources</i> , <b>2016</b> , 314, 39-48	8.9	123
265	Uniform 8LiFePO <sub>4</sub> / Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanoflakes for high-performance Li-ion batteries. <i>Nano Energy</i> , <b>2016</b> , 22, 48-58	17.1	69
264	A promising cathode for Li-ion batteries: Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> . <i>Energy Storage Materials</i> , <b>2016</b> , 4, 15-58	19.4	99
263	Self-doped V <sup>4+</sup> /V <sup>2+</sup> O <sub>5</sub> nanoflake for 2 Li-ion intercalation with enhanced rate and cycling performance. <i>Nano Energy</i> , <b>2016</b> , 22, 1-10	17.1	105
262	Mesocrystal MnO cubes as anode for Li-ion capacitors. <i>Nano Energy</i> , <b>2016</b> , 22, 290-300	17.1	155
261	Co <sub>3</sub> S <sub>4</sub> @polyaniline nanotubes as high-performance anode materials for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5505-5516	13	164
260	TiNb <sub>2</sub> O <sub>7</sub> /graphene composites as high-rate anode materials for lithium/sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4242-4251	13	112
259	Comparison of amorphous, pseudo-hexagonal and orthorhombic Nb <sub>2</sub> O <sub>5</sub> for high-rate lithium ion insertion. <i>CrystEngComm</i> , <b>2016</b> , 18, 2532-2540	3.3	96
258	Design, fabrication and modification of metal oxide semiconductor for improving conversion efficiency of excitonic solar cells. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 320-321, 193-215	23.2	49
257	Highly Efficient Storage of Pulse Energy Produced by Triboelectric Nanogenerator in Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Cathode Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 862-70	9.5	34
256	Nickel-Doped Lithium Trivanadate Nanosheets Synthesized by Hydrothermal Synthesis as High Performance Cathode Materials for Lithium Ion Batteries. <i>Science of Advanced Materials</i> , <b>2016</b> , 8, 703-711	11.3	5
255	Photoluminescence Property of Lu <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> :Ce <sup>3+</sup> Powder for Scintillator. <i>Korean Journal of Materials Research</i> , <b>2016</b> , 26, 212-215	0.2	1
254	Formation of Sn <sup>m</sup> (M=Fe, Al, Ni) alloy nanoparticles by DC arc-discharge and their electrochemical properties as anodes for Li-ion batteries. <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 242, 127-135	3.3	9
253	Probing the Photovoltage and Photocurrent in Perovskite Solar Cells with Nanoscale Resolution. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3048-3058	15.6	64
252	Hollow Silica Spheres Embedded in a Porous Carbon Matrix and Its Superior Performance as the Anode for Lithium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 110-117	3.1	43
251	Mesoporous Tungsten Trioxide Polyaniline Nanocomposite as an Anode Material for High-Performance Lithium-Ion Batteries. <i>ChemNanoMat</i> , <b>2016</b> , 2, 281-289	3.5	25
250	Macroporous Nanostructured Nb <sub>2</sub> O <sub>5</sub> with Surface Nb <sup>4+</sup> for Enhanced Lithium Ion Storage Properties. <i>ChemNanoMat</i> , <b>2016</b> , 2, 675-680	3.5	24



249	Titanium dioxide nanowires modified tin oxide hollow spheres for dye-sensitized solar cells. <i>MRS Communications</i> , <b>2016</b> , 6, 226-233	2.7	5
248	Properties of mesoporous carbon modified carbon felt for anode of all-vanadium redox flow battery. <i>Science China Materials</i> , <b>2016</b> , 59, 1037-1050	7.1	13
247	High Efficiency CdS/CdSe Quantum Dot Sensitized Solar Cells with Two ZnSe Layers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 34482-34489	9.5	71
246	Enhanced Electrochemical Properties of Sn-doped V <sub>2</sub> O <sub>5</sub> as a Cathode Material for Lithium Ion Batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 222, 1831-1838	6.7	40
245	Spinel LiMn <sub>2</sub> Si <sub>x</sub> O <sub>4</sub> ( <i>x</i> Science China Materials, <b>2016</b> , 59, 558-566	7.1	6
244	A new anode material for high performance lithium-ion batteries: V <sub>2</sub> (PO <sub>4</sub> )O/C. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 9789-9796	13	14
243	Tailoring band structure of ternary Cd <sub>x</sub> Se <sub>1-x</sub> quantum dots for highly efficient sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2016</b> , 155, 20-29	6.4	53
242	Nanostructured Cathode Buffer Layers for Inverted Polymer Solar Cells. <i>Nanoscience and Technology</i> , <b>2016</b> , 95-158	0.6	
241	Novel Photoanode for Dye-Sensitized Solar Cells with Enhanced Light-Harvesting and Electron-Collection Efficiency. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 13418-25	9.5	34
240	Chelate-induced formation of Li <sub>2</sub> MnSiO <sub>4</sub> nanorods as a high capacity cathode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 9447-9454	13	27
239	Integrated plasmonic and upconversion starlike Y <sub>2</sub> O <sub>3</sub> :Er/Au@TiO <sub>2</sub> composite for enhanced photon harvesting in dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2016</b> , 316, 207-214	8.9	24
238	A comparison of ZnS and ZnSe passivation layers on CdS/CdSe co-sensitized quantum dot solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14773-14780	13	56
237	Ditungsten carbide nanoparticles encapsulated by ultrathin graphitic layers with excellent hydrogen-evolution electrocatalytic properties. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 8204-8210	13	51
236	Doubling the power conversion efficiency in CdS/CdSe quantum dot sensitized solar cells with a ZnSe passivation layer. <i>Nano Energy</i> , <b>2016</b> , 26, 114-122	17.1	102
235	Freestanding flexible graphene foams@polypyrrole@MnO <sub>2</sub> electrodes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 9196-9203	13	65
234	Low temperature hydrothermal synthesis of SrTiO <sub>3</sub> nanoparticles without alkali and their effective photocatalytic activity. <i>Journal of Advanced Ceramics</i> , <b>2016</b> , 5, 298-307	10.7	26
233	Impact of sol aging on TiO <sub>2</sub> compact layer and photovoltaic performance of perovskite solar cell. <i>Science China Materials</i> , <b>2016</b> , 59, 710-718	7.1	21
232	Nanorod-Nanoflake Interconnected LiMnPO <sub>4</sub> /LiV(PO) <sub>4</sub> /C Composite for High-Rate and Long-Life Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 27632-27641	9.5	38

231	Lamellar MoSe nanosheets embedded with MoO nanoparticles: novel hybrid nanostructures promoted excellent performances for lithium ion batteries. <i>Nanoscale</i> , <b>2016</b> , 8, 17902-17910	7.7	129
230	Photoinduced enhancement of a triboelectric nanogenerator based on an organolead halide perovskite. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 10395-10399	7.1	45
229	Band-structure tailoring and surface passivation for highly efficient near-infrared responsive PbS quantum dot photovoltaics. <i>Journal of Power Sources</i> , <b>2016</b> , 333, 107-117	8.9	25
228	Constructing water-resistant CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite films via coordination interaction. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 17018-17024	13	69
227	Composite Gel Polymer Electrolyte Based on Poly(vinylidene fluoride-hexafluoropropylene) (PVDF-HFP) with Modified Aluminum-Doped Lithium Lanthanum Titanate (A-LLTO) for High-Performance Lithium Rechargeable Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 20710-9	9.5	93
226	Impacts of Surface Energy on Lithium Ion Intercalation Properties of V <sub>2</sub> O <sub>5</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 19542-9	9.5	32
225	Transparent and Flexible Self-Charging Power Film and Its Application in a Sliding Unlock System in Touchpad Technology. <i>ACS Nano</i> , <b>2016</b> , 10, 8078-86	16.7	75
224	Insights into the endurance promotion of PtSn/CNT catalysts by thermal annealing for ethanol electro-oxidation. <i>Electrochimica Acta</i> , <b>2016</b> , 213, 578-586	6.7	18
223	Photocatalytic property of perovskite LaFeO <sub>3</sub> synthesized by sol-gel process and vacuum microwave calcination. <i>Materials Research Bulletin</i> , <b>2016</b> , 84, 15-24	5.1	36
222	N-Type Hyperbranched Polymers for Supercapacitor Cathodes with Variable Porosity and Excellent Electrochemical Stability. <i>Macromolecules</i> , <b>2015</b> , 48, 5196-5203	5.5	36
221	Comparison of surface and bulk nitrogen modification in highly porous carbon for enhanced supercapacitors. <i>Science China Materials</i> , <b>2015</b> , 58, 521-533	7.1	23
220	Microstructurally Composed Nanoparticle Assemblies as Electroactive Materials for Lithium-Ion Battery Electrodes. <i>Green Energy and Technology</i> , <b>2015</b> , 353-391	0.6	
219	Three dimensional architecture of carbon wrapped multilayer Na <sub>3</sub> V <sub>2</sub> O <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F nanocubes embedded in graphene for improved sodium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 17563-17568	13	70
218	Dye-sensitized solar cells based on hierarchically structured porous TiO <sub>2</sub> filled with nanoparticles. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11320-11329	13	30
217	Interface Reduction Synthesis of H <sub>2</sub> V <sub>3</sub> O <sub>8</sub> Nanobelts on Graphene for High-Rate Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 11391-11399	3.8	24
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212	Fast and Reversible Li Ion Insertion in Carbon-Encapsulated Li <sub>3</sub> VO <sub>4</sub> as Anode for Lithium-Ion Battery. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3497-3504	15.6	148
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209	A three layer design with mesoporous silica encapsulated by a carbon core and shell for high energy lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22739-22749	13	64
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207	Beyond Li-ion: electrode materials for sodium- and magnesium-ion batteries. <i>Science China Materials</i> , <b>2015</b> , 58, 715-766	7.1	203
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187	In situ hydrothermal growth of hierarchical ZnO nanourchin for high-efficiency dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2014</b> , 254, 153-160	8.9	26
186	The general synthesis of Ag nanoparticles anchored on silver vanadium oxides: towards high performance cathodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11029-11034	13	27
185	High-performance anode based on porous Co <sub>3</sub> O <sub>4</sub> nanodiscs. <i>Journal of Power Sources</i> , <b>2014</b> , 255, 125-129	10.9	55
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173	Bandgap-Graded Cu2Zn(Sn1-xGex)S4 Thin-Film Solar Cells Derived from Metal Chalcogenide Complex Ligand Capped Nanocrystals. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 3957-3965	9.6	93
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170	Mesoporous TiO2 beads for high efficiency CdS/CdSe quantum dot co-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 2517	13	96
169	Hierarchically structured ZnO nanorods-nanosheets for improved quantum-dot-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 4466-72	9.5	77
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167	Synthesis of oxidation-resistant core-shell copper nanoparticles. <i>RSC Advances</i> , <b>2013</b> , 3, 15169	3.7	50
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146	Synthesis of Na(1.25)V(3)O(8) nanobelts with excellent long-term stability for rechargeable lithium-ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 11913-7	9.5	24
145	Semiconductor quantum dot-sensitized solar cells. <i>Nano Reviews</i> , <b>2013</b> , 4,		87
144	Low-Temperature Processing of Titanium Oxide Nanoparticles Photoanodes for Dye-Sensitized Solar Cells. <i>Journal of Renewable Energy</i> , <b>2013</b> , 2013, 1-8	1.4	3
143	Silica modification of titania nanoparticles for a dye-sensitized solar cell. <i>Electrochimica Acta</i> , <b>2012</b> , 59, 32-38	6.7	16
142	Facile synthesis of nanostructured vanadium oxide as cathode materials for efficient Li-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 24439		54

141	Growth of single-crystalline rutile TiO <sub>2</sub> nanorods on fluorine-doped tin oxide glass for organic/inorganic hybrid solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2012</b> , 23, 1657-1663	2.1	18
140	Applications of light scattering in dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 14982-98	3.6	187
139	Atomic layer deposition of Al <sub>2</sub> O <sub>3</sub> on V <sub>2</sub> O <sub>5</sub> xerogel film for enhanced lithium-ion intercalation stability. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2012</b> , 30, 01A123	2.9	15
138	Delineating local electromigration for nanoscale probing of lithium ion intercalation and extraction by electrochemical strain microscopy. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 063901	3.4	52
137	Enhanced Performance of CdS/CdSe Quantum Dot Cosensitized Solar Cells via Homogeneous Distribution of Quantum Dots in TiO <sub>2</sub> Film. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 18655-18662	3.8	158
136	Nanostructured carbon for energy storage and conversion. <i>Nano Energy</i> , <b>2012</b> , 1, 195-220	17.1	797
135	Self-assembled nanoporous rutile TiO <sub>2</sub> mesocrystals with tunable morphologies for high rate lithium-ion batteries. <i>Nano Energy</i> , <b>2012</b> , 1, 466-471	17.1	90
134	Effect of Al(OH) <sub>3</sub> on the hydrogen generation of aluminum/water system. <i>Journal of Power Sources</i> , <b>2012</b> , 219, 16-21	8.9	65
133	Graphene oxide oxidizes stannous ions to synthesize tin sulfide/graphene nanocomposites with small crystal size for high performance lithium ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 23091		90
132	Nitrogen modification of highly porous carbon for improved supercapacitor performance. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 9884		190
131	General strategy for designing core-shell nanostructured materials for high-power lithium ion batteries. <i>Nano Letters</i> , <b>2012</b> , 12, 5673-8	11.5	183
130	Highly porous chemically modified carbon cryogels and their coherent nanocomposites for energy applications. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 5619-5637	35.4	61
129	Hydrogenated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanowire arrays for high rate lithium ion batteries. <i>Advanced Materials</i> , <b>2012</b> , 24, 6502-6	24	411
128	Additive-free synthesis of unique TiO <sub>2</sub> mesocrystals with enhanced lithium-ion intercalation properties. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 5408-5413	35.4	139
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12	Enhanced ferroelectric properties and lowered processing temperatures of strontium bismuth niobates with vanadium doping. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 2650-2652	3.4	116
11	Er <sup>3+</sup> Doped Silica Glass by Sol-Gel Processing with Organic Complexation. <i>Materials Research Society Symposia Proceedings</i> , <b>1999</b> , 560, 133		2
10	Synthesis of Highly Porous Organic/Inorganic Hybrids by Ambient Pressure Sol-Gel Processing. <i>Journal of Sol-Gel Science and Technology</i> , <b>1998</b> , 13, 305-309	2.3	18
9	Amorphous silica molecular sieving membranes by sol-gel processing. <i>Advanced Materials</i> , <b>1996</b> , 8, 588-591	2.4	69
8	Nanostructured Materials for Hydrogen Storage		137-153
7	Tunable engineering of photo- and electro-induced carrier dynamics in perovskite photoelectronic devices. <i>Science China Materials</i> , 1	7.1	2
6	Ultrasensitive determination of intracellular hydrogen peroxide by equipping quantum dots with a sensing layer via self-passivation. <i>Nano Research</i> , 1	10	1
5	Luminescence and sensitivity enhancement of oxygen sensors through tuning the spectral overlap between luminescent dyes and SiO <sub>2</sub> @Ag nanoparticles. <i>Nano Select</i> ,	3.1	1
4	Direct Electrochemical Storage of Solar Energy in C-Rich Polymeric Carbon Nitride Cell. <i>Advanced Energy and Sustainability Research</i> , 2100111	1.6	1
3	Oxygen vacancies enhance lithium-ion storage properties of TiO <sub>2</sub> hierarchical spheres. <i>Batteries and Supercaps</i> ,	5.6	2
2	Sandwich assembly of sulfonated poly (ether sulfone) with sulfonated multiwalled carbon nanotubes as an efficient architecture for enhanced electrolyte performance in H <sub>2</sub> /O <sub>2</sub> fuel cells. <i>International Journal of Energy Research</i> ,	4.5	1
1	Coherent V <sup>4+</sup> -rich V <sub>2</sub> O <sub>5</sub> /carbon aerogel nanocomposites for high performance supercapacitors. <i>Science China Materials</i> , 1	7.1	1