

# Zexiang Shen

## 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.

578  
papers

43,840  
citations

100  
h-index

195  
g-index

625  
ext. papers

48,543  
ext. citations

7  
avg, IF

7.43  
L-index

#	Paper	IF	Citations
578	Reversible Photochromism in <110> Oriented Layered Halide Perovskite.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	2
577	Chinese knot-like bimetallic NiCo <sub>2</sub> S <sub>4</sub> grew on 3D graphene foam as high-performance electrode for Na <sup>+</sup> storage. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 891, 161988	5.7	3
576	The effect of organic cation dynamics on the optical properties in (PEA) <sub>2</sub> (MA)[Pb <sub>2</sub> I <sub>7</sub> ] perovskite dimorphs. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 17050-17060	7.1	
575	Interlayer Exciton in Transition Metal Dichalcogenide Semiconductors for 2D Optoelectronics. <i>Advanced Materials</i> , <b>2021</b> , e2107138	24	4
574	Strong Optical, Electrical, and Raman in-Plane Anisotropy in Corrugated Two-Dimensional Perovskite. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 22630-22642	3.8	1
573	Plasmonic evolution maps for planar metamaterials. <i>Photonics Research</i> , <b>2021</b> , 9, 73	6	1
572	Maximized pseudo-graphitic content in self-supported hollow interconnected carbon foam boosting ultrastable Na-ion storage. <i>Electrochimica Acta</i> , <b>2021</b> , 371, 137776	6.7	2
571	Perovskite Light-Emitting Diodes with Near Unit Internal Quantum Efficiency at Low Temperatures. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006302	24	7
570	Energy storage mechanisms of anode materials for potassium ion batteries. <i>Materials Today Energy</i> , <b>2021</b> , 21, 100747	7	20
569	Formation of Corrugated = 1 2D Tin Iodide Perovskites and Their Use as Lead-Free Solar Absorbers. <i>ACS Nano</i> , <b>2021</b> , 15, 6395-6409	16.7	6
568	Polymorph Engineering for Boosted Volumetric Na-Ion and Li-Ion Storage. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100210	24	13
567	Layered P3-Type KFeMnTiO as a Low-Cost and Zero-Strain Electrode Material for both Potassium and Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 18897-18904	9.5	4
566	Unraveling the effects of anions in NixAy@CC (A=O, S, P) on Li-sulfur batteries. <i>Materials Today Nano</i> , <b>2021</b> , 13, 100106	9.7	3
565	Strong coupling and pressure engineering in WSe <sub>2</sub> /MoSe <sub>2</sub> heterobilayers. <i>Nature Physics</i> , <b>2021</b> , 17, 92-98	16.2	56
564	Composition-tuned MAPbBr nanoparticles with addition of Cs cations for improved photoluminescence.. <i>RSC Advances</i> , <b>2021</b> , 11, 24137-24143	3.7	1
563	Strong self-trapping by deformation potential limits photovoltaic performance in bismuth double perovskite. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	30
562	Reversible Pb <sup>2+</sup> /Pb <sup>0</sup> and I <sup>-</sup> /I <sub>3</sub> <sup>-</sup> Redox Chemistry Drives the Light-Induced Phase Segregation in All-Inorganic Mixed Halide Perovskites. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2002934	21.8	22

561	Electronic States Modulation by Coherent Optical Phonons in 2D Halide Perovskites. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006233	24	9
560	Pressure-Tuned Quantum Well Configuration in Two-Dimensional PA8Pb5I18 Perovskites for Highly Efficient Yellow Fluorescence. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 10003-10011	6.1	1
559	Boosting Zn <sup>2+</sup> and NH <sub>4</sub> <sup>+</sup> Storage in Aqueous Media via In-Situ Electrochemical Induced VS <sub>2</sub> /VO <sub>x</sub> Heterostructures. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008743	15.6	30
558	In Situ Fabrication of Cuprous Selenide Electrode via Selenization of Copper Current Collector for High-Efficiency Potassium-Ion and Sodium-Ion Storage.. <i>Advanced Science</i> , <b>2021</b> , e2104630	13.6	6
557	Hierarchical porous LiNiCoMnO with yolk-shell-like architecture as stable cathode material for lithium-ion batteries.. <i>RSC Advances</i> , <b>2020</b> , 10, 18776-18783	3.7	8
556	Cobalt sulfide nanoflakes grown on graphite foam for Na-ion batteries with ultrahigh initial coulombic efficiency. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 14900-14907	13	12
555	N-doped carbon sheets arrays embedded with CoP nanoparticles as high-performance cathode for Li-S batteries via triple synergistic effects. <i>Journal of Power Sources</i> , <b>2020</b> , 455, 227959	8.9	19
554	Metallic elements and Pb isotopes in PM in three Chinese typical megacities: spatial distribution and source apportionment. <i>Environmental Sciences: Processes and Impacts</i> , <b>2020</b> , 22, 1718-1730	4.3	5
553	Molecular Engineering of Pure 2D Lead-Iodide Perovskite Solar Absorbers Displaying Reduced Band Gaps and Dielectric Confinement. <i>ChemSusChem</i> , <b>2020</b> , 13, 2693-2701	8.3	6
552	Targeted Synthesis of Trimeric OrganicBromoplumbate Hybrids That Display Intrinsic, Highly Stokes-Shifted, Broadband Emission. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 4431-4441	9.6	14
551	Lotus root-like porous carbon for potassium ion battery with high stability and rate performance. <i>Journal of Power Sources</i> , <b>2020</b> , 466, 228303	8.9	13
550	Controlled Fragmentation of Single-Atom-Thick Polycrystalline Graphene. <i>Matter</i> , <b>2020</b> , 2, 666-679	12.7	30
549	Lithium lanthanum titanate perovskite as an anode for lithium ion batteries. <i>Nature Communications</i> , <b>2020</b> , 11, 3490	17.4	50
548	Hybrid Plasmonics and Two-Dimensional Materials: Theory and Applications. <i>Journal of Molecular and Engineering Materials</i> , <b>2020</b> , 08, 2030001	1.3	1
547	Durable Freestanding Hierarchical Porous Electrode for Rechargeable ZincAir Batteries. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 1505-1516	6.1	10
546	N-doping and oxidation of carbon nanotubes and jellyfish-like graphene nanoflakes through the prism of Raman spectroscopy. <i>Applied Surface Science</i> , <b>2019</b> , 488, 51-60	6.7	39
545	Highly anisotropic thermoelectric properties of black phosphorus crystals. <i>2D Materials</i> , <b>2019</b> , 6, 045009	5.9	17
544	Staging: Unraveling the Potassium Storage Mechanism in Graphite Foam (Adv. Energy Mater. <b>22/2019</b> ). <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1970081	21.8	3

543	Improving Polysulfides Adsorption and Redox Kinetics by the Co N Nanoparticle/N-Doped Carbon Composites for Lithium-Sulfur Batteries. <i>Small</i> , <b>2019</b> , 15, e1901454	11	77
542	New Metallic Ordered Phase of Perovskite CsPbI <sub>3</sub> under Pressure. <i>Advanced Science</i> , <b>2019</b> , 6, 1900399	13.6	33
541	Simultaneous Immobilization and Conversion of Polysulfides on Co <sub>3</sub> O <sub>4</sub> /CoN Heterostructured Mediators toward High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2570-2578	6.1	13
540	Unraveling the Potassium Storage Mechanism in Graphite Foam. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900579	21.8	86
539	Excitonic states and structural stability in two-dimensional hybrid organic-inorganic perovskites. <i>Journal of Science: Advanced Materials and Devices</i> , <b>2019</b> , 4, 189-200	4.2	24
538	In-plane coherent control of plasmon resonances for plasmonic switching and encoding. <i>Light: Science and Applications</i> , <b>2019</b> , 8, 21	16.7	13
537	Ultrawideband Surface Enhanced Raman Scattering in Hybrid Graphene Fragmented-Gold Substrates via Cold-Etching. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900905	8.1	6
536	4-V flexible all-solid-state lithium polymer batteries. <i>Nano Energy</i> , <b>2019</b> , 64, 103986	17.1	22
535	Enhancing the Electrochemical Performance of LiNiCoMnO by VO/LiVO Coating. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 26994-27003	9.5	24
534	Metallization: New Metallic Ordered Phase of Perovskite CsPbI <sub>3</sub> under Pressure (Adv. Sci. 14/2019). <i>Advanced Science</i> , <b>2019</b> , 6, 1970083	13.6	2
533	A Depth-Profiling Study on the Solid Electrolyte Interface: Bis(fluorosulfonyl)imide Anion toward Improved K <sup>+</sup> Storage. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 7942-7951	6.1	33
532	Remarkable dielectric breakdown strength enhancement of a PVDF terpolymer using a 2D hybrid organic inorganic perovskite as a functional additive. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 13390-13395	7.1	2
531	Nitrogen configuration dependent holey active sites toward enhanced K <sup>+</sup> storage in graphite foam. <i>Journal of Power Sources</i> , <b>2019</b> , 419, 82-90	8.9	27
530	In-plane optical anisotropy in ReS <sub>2</sub> flakes determined by angle-resolved polarized optical contrast spectroscopy. <i>Nanoscale</i> , <b>2019</b> , 11, 20199-20205	7.7	19
529	Pressure-Engineered Structural and Optical Properties of Two-Dimensional (CHNH)PbI <sub>3</sub> Perovskite Exfoliated nm-Thin Flakes. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 1235-1241	16.4	61
528	Raman Imaging of Two Dimensional Materials. <i>Springer Series in Materials Science</i> , <b>2019</b> , 231-261	0.9	
527	Improved Photovoltaic Efficiency and Amplified Photocurrent Generation in Mesoporous n = 1 Two-Dimensional Lead Chalcide Perovskite Solar Cells. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 890-898	9.6	39
526	Ordered Array of Metal Particles on Semishell Separated with Ultrathin Oxide: Fabrication and SERS Properties. <i>Coatings</i> , <b>2019</b> , 9, 20	2.9	1

525	Nanocarbon-Based Electrocatalysts for Rechargeable Aqueous Li/Zn-Air Batteries. <i>ChemElectroChem</i> , <b>2018</b> , 5, 1745-1763	4.3	20
524	Low Frequency Raman Scattering of Two-Dimensional Materials Beyond Graphene. <i>Springer Series in Surface Sciences</i> , <b>2018</b> , 195-206	0.4	
523	Phase Transformation of GeO Glass to Nanocrystals under Ambient Conditions. <i>Nano Letters</i> , <b>2018</b> , 18, 3290-3296	11.5	18
522	A library of atomically thin metal chalcogenides. <i>Nature</i> , <b>2018</b> , 556, 355-359	50.4	812
521	High-Crystallinity Urchin-like VS Anode for High-Performance Lithium-Ion Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 14727-14734	9.5	47
520	A Hierarchical MoP Nanoflake Array Supported on Ni Foam: A Bifunctional Electrocatalyst for Overall Water Splitting. <i>Small Methods</i> , <b>2018</b> , 2, 1700369	12.8	78
519	Nanoengineering of 2D tin sulfide nanoflake arrays incorporated on polyaniline nanofibers with boosted capacitive behavior. <i>2D Materials</i> , <b>2018</b> , 5, 031005	5.9	15
518	N, P Co-doped Hierarchical Porous Graphene as a Metal-Free Bifunctional Air Cathode for Zn/Air Batteries. <i>ChemElectroChem</i> , <b>2018</b> , 5, 1811-1816	4.3	15
517	One-Step Synthesis of Metal/Semiconductor Heterostructure NbS <sub>2</sub> /MoS <sub>2</sub> . <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4001-4007	9.6	54
516	Sodium Vanadium Fluorophosphates (NVOPF) Array Cathode Designed for High-Rate Full Sodium Ion Storage Device. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800058	21.8	124
515	Progress in aqueous rechargeable batteries. <i>Green Energy and Environment</i> , <b>2018</b> , 3, 20-41	5.7	182
514	MnPO <sub>4</sub> -Coated Li(Ni <sub>0.4</sub> Co <sub>0.2</sub> Mn <sub>0.4</sub> )O <sub>2</sub> for Lithium(-Ion) Batteries with Outstanding Cycling Stability and Enhanced Lithiation Kinetics. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1801573	21.8	64
513	Coherent Spin and Quasiparticle Dynamics in Solution-Processed Layered 2D Lead Halide Perovskites. <i>Advanced Science</i> , <b>2018</b> , 5, 1800664	13.6	38
512	Morphology controlled lithium storage in Li <sub>3</sub> VO <sub>4</sub> anodes. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 456-463	4.6	32
511	High-Pressure-Induced Comminution and Recrystallization of CH <sub>3</sub> NH <sub>2</sub> PbBr Nanocrystals as Large Thin Nanoplates. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705017	24	73
510	Electrochemically Synthesis of Nickel Cobalt Sulfide for High-Performance Flexible Asymmetric Supercapacitors. <i>Advanced Science</i> , <b>2018</b> , 5, 1700375	13.6	115
509	Advanced Energy Storage Devices: Basic Principles, Analytical Methods, and Rational Materials Design. <i>Advanced Science</i> , <b>2018</b> , 5, 1700322	13.6	630
508	Tailoring Mechanical Properties of Suspended Graphene by Energetic Ion Beams <b>2018</b> ,		1

507	Manganese phosphate coated Li[Ni <sub>0.6</sub> Co <sub>0.2</sub> Mn <sub>0.2</sub> ]O <sub>2</sub> cathode material: Towards superior cycling stability at elevated temperature and high voltage. <i>Journal of Power Sources</i> , <b>2018</b> , 402, 263-271	8.9	69
506	Recent progress on photoluminescence from plasmonic nanostructures: Phenomenon, mechanism, and application. <i>Chinese Physics B</i> , <b>2018</b> , 27, 097803	1.2	8
505	MnPO <sub>4</sub> -Coated Li-NCM: MnPO <sub>4</sub> -Coated Li(Ni <sub>0.4</sub> Co <sub>0.2</sub> Mn <sub>0.4</sub> )O <sub>2</sub> for Lithium(-Ion) Batteries with Outstanding Cycling Stability and Enhanced Lithiation Kinetics (Adv. Energy Mater. 27/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870123	21.8	7
504	Self-adaptive electrochemical reconstruction boosted exceptional Li <sup>+</sup> ion storage in a Cu <sub>3</sub> P@C anode. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18821-18826	13	48
503	Double-Shelled Phosphorus and Nitrogen Codoped Carbon Nanospheres as Efficient Polysulfide Mediator for High-Performance Lithium-Sulfur Batteries. <i>Advanced Science</i> , <b>2018</b> , 5, 1800621	13.6	65
502	Structural and thermoanalytical features of novel morpholinium-based high-voltage ionic liquid. <i>Structural Chemistry</i> , <b>2017</b> , 28, 279-287	1.8	2
501	Synergistic capacitive behavior between polyaniline and carbon black. <i>Electrochimica Acta</i> , <b>2017</b> , 230, 236-244	6.7	31
500	Free-standing vertically-aligned nitrogen-doped carbon nanotube arrays/graphene as air-breathing electrodes for rechargeable zinc-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2488-2495	13	71
499	Energy transfer and depolarization in the photoluminescence of a plasmonic molecule. <i>Nanoscale</i> , <b>2017</b> , 9, 2082-2087	7.7	7
498	Rapid Pseudocapacitive Sodium-Ion Response Induced by 2D Ultrathin Tin Monoxide Nanoarrays. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606232	15.6	81
497	Water-Responsive Shape Recovery Induced Buckling in Biodegradable Photo-Cross-Linked Poly(ethylene glycol) (PEG) Hydrogel. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 141-150	24.3	78
496	"Electron/Ion Sponge"-Like V-Based Polyoxometalate: Toward High-Performance Cathode for Rechargeable Sodium Ion Batteries. <i>ACS Nano</i> , <b>2017</b> , 11, 6911-6920	16.7	66
495	Recent progress in surface coating of layered LiNi <sub>x</sub> Co <sub>y</sub> Mn <sub>z</sub> O <sub>2</sub> for lithium-ion batteries. <i>Materials Research Bulletin</i> , <b>2017</b> , 96, 491-502	5.1	76
494	Phase evolution of lithium intercalation dynamics in 2H-MoS <sub>2</sub> . <i>Nanoscale</i> , <b>2017</b> , 9, 7533-7540	7.7	58
493	Graphene nanowires anchored to 3D graphene foam via self-assembly for high performance Li and Na ion storage. <i>Nano Energy</i> , <b>2017</b> , 37, 108-117	17.1	128
492	Hydrogen-Bonding Evolution during the Polymorphic Transformations in CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> : Experiment and Theory. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 5974-5981	9.6	51
491	Adaptable metasurface for dynamic anomalous reflection. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 201904	3.4	29
490	High Mobility 2D Palladium Diselenide Field-Effect Transistors with Tunable Ambipolar Characteristics. <i>Advanced Materials</i> , <b>2017</b> , 29, 1602969	24	180

489	Oxidation, defunctionalization and catalyst life cycle of carbon nanotubes: a Raman spectroscopy view. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 2276-2285	3.6	85
488	Space-confinement and chemisorption co-involved in encapsulation of sulfur for lithium-sulfur batteries with exceptional cycling stability. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24602-24611	13	23
487	Enhanced light-matter interaction in atomically thin MoS coupled with 1D photonic crystal nanocavity. <i>Optics Express</i> , <b>2017</b> , 25, 14691-14696	3.3	11
486	Recent advances in air electrodes for Zn-air batteries: electrocatalysis and structural design. <i>Materials Horizons</i> , <b>2017</b> , 4, 945-976	14.4	174
485	Ordered and Atomically Perfect Fragmentation of Layered Transition Metal Dichalcogenides via Mechanical Instabilities. <i>ACS Nano</i> , <b>2017</b> , 11, 9191-9199	16.7	39
484	Toward greener lithium-ion batteries: Aqueous binder-based LiNi <sub>0.4</sub> Co <sub>0.2</sub> Mn <sub>0.4</sub> O <sub>2</sub> cathode material with superior electrochemical performance. <i>Journal of Power Sources</i> , <b>2017</b> , 372, 180-187	8.9	44
483	1D nanobar-like LiNi <sub>0.4</sub> Co <sub>0.2</sub> Mn <sub>0.4</sub> O <sub>2</sub> as a stable cathode material for lithium-ion batteries with superior long-term capacity retention and high rate capability. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15669-15675	13	43
482	Graphene and graphene-based composites as Li-ion battery electrode materials and their application in full cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15423-15446	13	133
481	Current rectification and asymmetric photoresponse in MoS <sub>2</sub> stacking-induced homojunctions. <i>2D Materials</i> , <b>2017</b> , 4, 035011	5.9	11
480	Transition metal dichalcogenides: structural, optical and electronic property tuning via thickness and stacking. <i>FlatChem</i> , <b>2017</b> , 4, 1-19	5.1	39
479	Valley polarization in stacked MoS <sub>2</sub> induced by circularly polarized light. <i>Nano Research</i> , <b>2017</b> , 10, 1618-1626	16.2	14
478	Large-Area and High-Quality 2D Transition Metal Telluride. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603471	24	140
477	Metal-Semiconductor Phase-Transition in WSe <sub>2</sub> Te Monolayer. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603991	24	88
476	Pressure-Induced Phase Transition in Weyl Semimetallic WTe <sub>2</sub> . <i>Small</i> , <b>2017</b> , 13, 1701887	11	20
475	Polyaniline (PANI) based electrode materials for energy storage and conversion. <i>Journal of Science: Advanced Materials and Devices</i> , <b>2016</b> , 1, 225-255	4.2	242
474	Subatomic deformation driven by vertical piezoelectricity from CdS ultrathin films. <i>Science Advances</i> , <b>2016</b> , 2, e1600209	14.3	49
473	Graphene quantum dots-shielded Na <sub>3</sub> (VO) <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F@C nanocuboids as robust cathode for Na-ion battery. <i>Energy Storage Materials</i> , <b>2016</b> , 5, 198-204	19.4	61
472	Array of nanosheets render ultrafast and high-capacity Na-ion storage by tunable pseudocapacitance. <i>Nature Communications</i> , <b>2016</b> , 7, 12122	17.4	990

471	Hierarchical Porous LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> Nano-/Micro Spherical Cathode Material: Minimized Cation Mixing and Improved Li(+) Mobility for Enhanced Electrochemical Performance. <i>Scientific Reports</i> , <b>2016</b> , 6, 25771	4.9	122
470	Pseudocapacitive Na-Ion Storage Boosts High Rate and Areal Capacity of Self-Branched 2D Layered Metal Chalcogenide Nanoarrays. <i>ACS Nano</i> , <b>2016</b> , 10, 10211-10219	16.7	702
469	Large size nitrogen-doped graphene-coated graphite for high performance lithium-ion battery anode. <i>RSC Advances</i> , <b>2016</b> , 6, 104010-104015	3.7	10
468	Refined Sulfur Nanoparticles Immobilized in Metal-Organic Polyhedron as Stable Cathodes for Li-S Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 14328-33	9.5	38
467	Strong interfacial coupling of MoS <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> van de Waals solids for highly active water reduction. <i>Nano Energy</i> , <b>2016</b> , 27, 44-50	17.1	81
466	Graphene homojunction: closed-edge bilayer graphene by pseudospin interaction. <i>Nanoscale</i> , <b>2016</b> , 8, 9102-6	7.7	3
465	First-Principles Study of the Nuclear Dynamics of Doped Conjugated Polymers. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 1994-2001	3.8	17
464	Graphene-supported non-precious metal electrocatalysts for oxygen reduction reactions: the active center and catalytic mechanism. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 7148-7154	13	13
463	MoS <sub>2</sub> nanosheets decorated Ni <sub>3</sub> S <sub>2</sub> @MoS <sub>2</sub> coaxial nanofibers: Constructing an ideal heterostructure for enhanced Na-ion storage. <i>Nano Energy</i> , <b>2016</b> , 20, 1-10	17.1	161
462	Aqueous Rechargeable Alkaline Co <sub>x</sub> Ni <sub>2-x</sub> S <sub>2</sub> /TiO <sub>2</sub> Battery. <i>ACS Nano</i> , <b>2016</b> , 10, 1007-16	16.7	108
461	Growth and characterization of highly tensile strained Ge <sub>1-x</sub> Sn <sub>x</sub> formed on relaxed In <sub>y</sub> Ga <sub>1-y</sub> P buffer layers. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 125303	2.5	3
460	Multi-Drug-Loaded Microcapsules with Controlled Release for Management of Parkinson's Disease. <i>Small</i> , <b>2016</b> , 12, 3712-22	11	14
459	Generic Synthesis of Carbon Nanotube Branches on Metal Oxide Arrays Exhibiting Stable High-Rate and Long-Cycle Sodium-Ion Storage. <i>Small</i> , <b>2016</b> , 12, 3048-58	11	377
458	Fast Photoresponse from 1T Tin Diselenide Atomic Layers. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 137-145	14.5	125
457	Stability of a high-voltage ionic liquid with a substituted piperidinium cation and a TFSI anion, promising for electrochemical applications. <i>Mendeleev Communications</i> , <b>2016</b> , 26, 240-242	1.9	8
456	Active sites-enriched hierarchical MoS <sub>2</sub> nanotubes: highly active and stable architecture for boosting hydrogen evolution and lithium storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 7565-7572	13	41
455	Anomalous Shift Behaviors in the Photoluminescence of Dolmen-Like Plasmonic Nanostructures. <i>ACS Photonics</i> , <b>2016</b> , 3, 979-984	6.3	20
454	Electrocatalytically Active Graphene supported M <sub>2</sub> Carbides (M Ni, Co) for Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , <b>2016</b> , 216, 246-252	6.7	22



453	Ultrafast-Charging Supercapacitors Based on Corn-Like Titanium Nitride Nanostructures. <i>Advanced Science</i> , <b>2016</b> , 3, 1500299	13.6	132
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448	Iron oxide-decorated carbon for supercapacitor anodes with ultrahigh energy density and outstanding cycling stability. <i>ACS Nano</i> , <b>2015</b> , 9, 5198-207	16.7	375
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440	Accurate Modeling of Dark-Field Scattering Spectra of Plasmonic Nanostructures. <i>ACS Nano</i> , <b>2015</b> , 9, 10039-46	16.7	27
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438	Plasmon-Modulated Photoluminescence of Single Gold Nanobeams. <i>ACS Photonics</i> , <b>2015</b> , 2, 1348-1354	6.3	11
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28	High pressure structural phase transitions in CsCdCl <sub>3</sub> . <i>Journal of Molecular Structure</i> , <b>1994</b> , 326, 69-72	3-4	2
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