Qingyu Yan

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.

396 papers	34,802 citations	99 h-index	172 g-index
411 ext. papers	39,658 ext. citations	11.3 avg, IF	7.52 L-index

#	Paper	IF	Citations
396	Thermoelectric Performance of the 2D BiSiTe Semiconductor.. *Journal of the American Chemical Society*, **2022**,	16.4	7
395	Extraordinary role of Zn in enhancing thermoelectric performance of Ga-doped n-type PbTe. *Energy and Environmental Science*, **2022**, 15, 368-375	35.4	12
394	Upcycling Silicon Photovoltaic Waste into Thermoelectrics.. *Advanced Materials*, **2022**, e2110518	24	5
393	Promoting the Water-Reduction Kinetics and Alkali Tolerance of MoNi Nanocrystals via a Mo TiC T Induced Built-In Electric Field.. *Small*, **2022**, e2107541	11	2
392	Efficient and Selective CO Reduction to Formate on Pd-Doped Pb (CO) (OH) : Dynamic Catalyst Reconstruction and Accelerated CO Protonation.. *Small*, **2022**, e2107885	11	1
391	Atomic-Level Metal Electrodeposition: Synthetic Strategies, Applications, and Catalytic Mechanism in Electrochemical Energy Conversion. *Small Structures*, **2022**, 3, 2270012	8.7	
390	A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions.. *ACS Nano*, **2022**,	16.7	12
389	A highly flexible form-stable silicone-octadecane PCM composite for heat harvesting. *Materials Today Advances*, **2022**, 14, 100227	7.4	3
388	Designing good compatibility factor in segmented Bi0.5Sb1.5Te3 GeTe thermoelectrics for high power conversion efficiency. *Nano Energy*, **2022**, 96, 107147	17.1	2
387	Upcycling Silicon Photovoltaic Waste into Thermoelectrics (Adv. Mater. 19/2022). *Advanced Materials*, **2022**, 34, 2270144	24	
386	Improved in NbGe-GeTe thermoelectric nanocomposite.. *Nanoscale*, **2021**,	7.7	4
385	High-performance thermoelectrics and challenges for practical devices. *Nature Materials*, **2021**,	27	30
384	Green Recycling Methods to Treat Lithium-Ion Batteries E-Waste: A Circular Approach to Sustainability. *Advanced Materials*, **2021**, e2103346	24	25
383	High Thermoelectric Performance through Crystal Symmetry Enhancement in Triply Doped Diamondoid Compound Cu2SnSe3. *Advanced Energy Materials*, **2021**, 11, 2100661	21.8	11
382	MXenes as a versatile platform for reactive surface modification and superior sodium-ion storages. *Exploration*, **2021**, 1, 20210024		19
381	Direct Utilization of Photoinduced Charge Carriers to Promote Electrochemical Energy Storage. *Small*, **2021**, 17, e2008047	11	5
380	Electrochemical Energy Storage: Direct Utilization of Photoinduced Charge Carriers to Promote Electrochemical Energy Storage (Small 21/2021). *Small*, **2021**, 17, 2170103	11	

379	Multiwall carbon nanotubes derived from plastic packaging waste as a high-performance electrode material for supercapacitors. *International Journal of Energy Research*, **2021**, 45, 19611	4.5	5
378	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO2 reduction. *Nano Energy*, **2021**, 79, 105429	17.1	45
377	Recent advances in vanadium-based cathode materials for rechargeable zinc ion batteries. *Materials Chemistry Frontiers*, **2021**, 5, 744-762	7.8	14
376	Strong Valence Band Convergence to Enhance Thermoelectric Performance in PbSe with Two Chemically Independent Controls. *Angewandte Chemie*, **2021**, 133, 272-277	3.6	6
375	Strong Valence Band Convergence to Enhance Thermoelectric Performance in PbSe with Two Chemically Independent Controls. *Angewandte Chemie - International Edition*, **2021**, 60, 268-273	16.4	11
374	Konjac glucomannan biopolymer as a multifunctional binder to build a solid permeable interface on Na3V2(PO4)3/C cathodes for high-performance sodium ion batteries. *Journal of Materials Chemistry A*, **2021**, 9, 9864-9874	13	6
373	Realizing zT Values of 2.0 in Cubic GeTe. *ChemNanoMat*, **2021**, 7, 476-482	3.5	16
372	Bilateral Interfaces in InSe-CoIn-CoSe Heterostructures for High-Rate Reversible Sodium Storage. *ACS Nano*, **2021**,	16.7	21
371	In-Situ Tools Used in Vanadium Redox Flow Battery Research-Review. *Batteries*, **2021**, 7, 53	5.7	4
370	High thermoelectric performance enabled by convergence of nested conduction bands in PbBiSe with low thermal conductivity. *Nature Communications*, **2021**, 12, 4793	17.4	15
369	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. *Exploration*, **2021**, 1, 9-20		13
368	Cubic AgMnSbTe Semiconductor with a High Thermoelectric Performance. *Journal of the American Chemical Society*, **2021**, 143, 13990-13998	16.4	14
367	Machine Learning: An Advanced Platform for Materials Development and State Prediction in Lithium-Ion Batteries. *Advanced Materials*, **2021**, e2101474	24	14
366	Dynamic Restructuring of Cu-Doped SnS Nanoflowers for Highly Selective Electrochemical CO Reduction to Formate. *Angewandte Chemie - International Edition*, **2021**, 60, 26233-26237	16.4	12
365	Electrochemical reduction of nitrogen to ammonia: Progress, challenges and future outlook. *Current Opinion in Electrochemistry*, **2021**, 29, 100808	7.2	0
364	Lattice strain and atomic replacement of CoO6 octahedra in layered sodium cobalt oxide for boosted water oxidation electrocatalysis. *Applied Catalysis B: Environmental*, **2021**, 297, 120477	21.8	15
363	Thermoelectric materials and transport physics. *Materials Today Physics*, **2021**, 21, 100519	8	22
362	Defect engineering in thermoelectric materials: what have we learned?. *Chemical Society Reviews*, **2021**, 50, 9022-9054	58.5	45

361	Ni nanoparticles/V4C3Tx MXene heterostructures for electrocatalytic nitrogen fixation. *Materials Chemistry Frontiers*, **2021**, 5, 2338-2346	7.8	10
360	Tuning the Electronic Structures of Multimetal Oxide Nanoplates to Realize Favorable Adsorption Energies of Oxygenated Intermediates. *ACS Nano*, **2020**,	16.7	19
359	Recent Progress on Bismuth-based Nanomaterials for Electrocatalytic Carbon Dioxide Reduction. *Chemical Research in Chinese Universities*, **2020**, 36, 410-419	2.2	12
358	The on-demand engineering of metal-doped porous carbon nanofibers as efficient bifunctional oxygen catalysts for high-performance flexible Zn–air batteries. *Journal of Materials Chemistry A*, **2020**, 8, 7297-7308	13	28
357	Predicting the state of charge and health of batteries using data-driven machine learning. *Nature Machine Intelligence*, **2020**, 2, 161-170	22.5	121
356	Electronic Modulation of Nickel Disulfide toward Efficient Water Electrolysis. *Small*, **2020**, 16, e1905885	11	31
355	A New Scalable Preparation of Metal Nanosheets: Potential Applications for Aqueous Zn-Ion Batteries Anode. *Advanced Functional Materials*, **2020**, 30, 2003187	15.6	25
354	Advances in Thermodynamic-Kinetic Model for Analyzing the Oxygen Evolution Reaction. *ACS Catalysis*, **2020**, 10, 8597-8610	13.1	40
353	Hydrophilic engineering of VOx-based nanosheets for ambient electrochemical ammonia synthesis at neutral pH. *Journal of Materials Chemistry A*, **2020**, 8, 5913-5918	13	27
352	NiAg 3D porous nanoclusters with epitaxial interfaces exhibiting Pt like activity towards hydrogen evolution in alkaline medium. *Nanoscale*, **2020**, 12, 8432-8442	7.7	10
351	V4C3Tx MXene: A promising active substrate for reactive surface modification and the enhanced electrocatalytic oxygen evolution activity. *Informa□□Materi□*, **2020**, 2, 950-959	23.1	54
350	Ultrathin Amorphous Nickel Doped Cobalt Phosphates with Highly Ordered Mesoporous Structures as Efficient Electrocatalyst for Oxygen Evolution Reaction. *Small*, **2020**, 16, e1906766	11	34
349	Bimetall□MOF nanosheets as efficient bifunctional electrocatalysts for oxygen evolution and nitrogen reduction reaction. *Journal of Materials Chemistry A*, **2020**, 8, 3658-3666	13	57
348	Origin of High Thermoelectric Performance in Earth-Abundant Phosphide-Tetrahedrite. *ACS Applied Materials & Interfaces*, **2020**, 12, 9150-9157	9.5	25
347	Interface and valence modulation on scalable phosphorene/phosphide lamellae for efficient water electrolysis. *Chemical Engineering Journal*, **2020**, 395, 124976	14.7	35
346	Oxygen doped MoS quantum dots for efficient electrocatalytic hydrogen generation. *Journal of Chemical Physics*, **2020**, 152, 134704	3.9	5
345	Thermal Stability and Mechanical Response of Bi2Te3-Based Materials for Thermoelectric Applications. *ACS Applied Energy Materials*, **2020**, 3, 2078-2089	6.1	20
344	Interface engineering in transition metal carbides for electrocatalytic hydrogen generation and nitrogen fixation. *Materials Horizons*, **2020**, 7, 32-53	14.4	39

343	Free-Standing Hydrated Sodium Vanadate Papers for High-Stability Zinc-Ion Batteries. *Batteries and Supercaps*, **2020**, 3, 254-260	5.6	15
342	Cu- and Fe-Codoped Ni Porous Networks as an Active Electrocatalyst for Hydrogen Evolution in Alkaline Medium. *ACS Applied Materials & Interfaces*, **2020**, 12, 2380-2389	9.5	15
341	High-Performance Thermoelectrics from Cellular Nanostructured Sb2Si2Te6. *Joule*, **2020**, 4, 159-175	27.8	55
340	Amorphous/Crystalline Heterostructured Cobalt-Vanadium-Iron (Oxy)hydroxides for Highly Efficient Oxygen Evolution Reaction. *Advanced Energy Materials*, **2020**, 10, 2002215	21.8	73
339	Strain-Engineering of Bi12O17Br2 Nanotubes for Boosting Photocatalytic CO2 Reduction **2020**, 2, 1025-1032		38
338	Bifunctional Electrocatalyst with 0D/2D Heterostructure for Highly Efficient Hydrogen and Oxygen Generation. *Chemistry - an Asian Journal*, **2020**, 15, 2892-2899	4.5	1
337	Crystal Structure and Atomic Vacancy Optimized Thermoelectric Properties in Gadolinium Selenides. *Chemistry of Materials*, **2020**, 32, 10130-10139	9.6	20
336	Effective enhancement of thermoelectric and mechanical properties of germanium telluride via rhenium-doping. *Journal of Materials Chemistry C*, **2020**, 8, 16940-16948	7.1	24
335	An All-Organic D-A System for Visible-Light-Driven Overall Water Splitting. *Small*, **2020**, 16, e2003914	11	41
334	Pathways towards high energy aqueous rechargeable batteries. *Coordination Chemistry Reviews*, **2020**, 424, 213521	23.2	26
333	Architecting a Stable High-Energy Aqueous Al-Ion Battery. *Journal of the American Chemical Society*, **2020**, 142, 15295-15304	16.4	94
332	Boosting Electrocatalytic Ammonia Production through Mimicking □Back-Donation□*CheM*, **2020**, 6, 2690-2702	16.2	52
331	Metallenes: Recent Advances and Opportunities in Energy Storage and Conversion Applications **2020**, 2, 1148-1172		26
330	Layered Oxide Cathode for Potassium-Ion Battery: Recent Progress and Prospective. *Small*, **2020**, 16, e2002700	11	30
329	High Thermoelectric Performance in the New Cubic Semiconductor AgSnSbSe by High-Entropy Engineering. *Journal of the American Chemical Society*, **2020**, 142, 15187-15198	16.4	40
328	Promoting Electrocatalytic Hydrogen Evolution Reaction and Oxygen Evolution Reaction by Fields: Effects of Electric Field, Magnetic Field, Strain, and Light. *Small Methods*, **2020**, 4, 2000494	12.8	36
327	Se?C Bonding Promoting Fast and Durable Na Storage in Yolk-Shell SnSe @Se?C. *Small*, **2020**, 16, e2002486	11	39
326	Tailoring the phase transition temperature to achieve high-performance cubic GeTe-based thermoelectrics. *Journal of Materials Chemistry A*, **2020**, 8, 18880-18890	13	33

325	Highly Elastic Binders Incorporated with Helical Molecules to Improve the Electrochemical Stability of Black Phosphorous Anodes for Sodium-Ion Batteries. *Batteries and Supercaps*, **2020**, 3, 101-107	5.6	5
324	Superior wide-temperature lithium storage in a porous cobalt vanadate. *Nano Research*, **2020**, 13, 1867-1874	10	13
323	Boosting efficient ambient nitrogen oxidation by a well-dispersed Pd on MXene electrocatalyst. *Chemical Communications*, **2020**, 56, 5779-5782	5.8	18
322	Efficient Nitrate Synthesis via Ambient Nitrogen Oxidation with Ru-Doped TiO /RuO Electrocatalysts. *Advanced Materials*, **2020**, 32, e2002189	24	55
321	High Figure of Merit in Gallium-Doped Nanostructured n-Type PbTe-GeTe with Midgap States. *Journal of the American Chemical Society*, **2019**, 141, 16169-16177	16.4	44
320	Surface treated nickel phosphide nanosheet with oxygen as highly efficient bifunctional electrocatalysts for overall water splitting. *Applied Surface Science*, **2019**, 496, 143741	6.7	4
319	Optimization of thermal oxidation of electrodes for the performance enhancement in all-vanadium redox flow betteries. *Carbon*, **2019**, 155, 176-185	10.4	25
318	Directly anchoring 2D NiCo metal–organic frameworks on few-layer black phosphorus for advanced lithium-ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 783-790	13	77
317	Investigation of Reactant Conversion in the Vanadium Redox Flow Battery Using Spatially Resolved State of Charge Mapping. *Batteries*, **2019**, 5, 2	5.7	4
316	Rapid synthesis of ultrathin 2D materials through liquid-nitrogen and microwave treatments. *Journal of Materials Chemistry A*, **2019**, 7, 5209-5213	13	60
315	Utilization of biomass pectin polymer to build high efficiency electrode architectures with sturdy construction and fast charge transfer structure to boost sodium storage performance for NASICON-type cathode. *Journal of Materials Chemistry A*, **2019**, 7, 1548-1555	13	12
314	Tailoring of Metal Boride Morphology via Anion for Efficient Water Oxidation. *Advanced Energy Materials*, **2019**, 9, 1901503	21.8	54
313	Bioinspired Controlled Synthesis of NiSe/Ni2P Nanoparticles Decorated 3D Porous Carbon for Li/Na Ion Batteries. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 13217-13225	8.3	22
312	Highly anisotropic thermoelectric properties of black phosphorus crystals. *2D Materials*, **2019**, 6, 045009	5.9	17
311	Porous nitrogen-rich g-C3N4 nanotubes for efficient photocatalytic CO2 reduction. *Applied Catalysis B: Environmental*, **2019**, 256, 117854	21.8	152
310	Surface Modified MXene-Based Nanocomposites for Electrochemical Energy Conversion and Storage. *Small*, **2019**, 15, e1901503	11	98
309	High-performance flexible quasi-solid-state zinc-ion batteries with layer-expanded vanadium oxide cathode and zinc/stainless steel mesh composite anode. *Nano Energy*, **2019**, 62, 94-102	17.1	127
308	Nanostructured metallic transition metal carbides, nitrides, phosphides, and borides for energy storage and conversion. *Nano Today*, **2019**, 25, 99-121	17.9	173

307	Enhancement of Thermoelectric Performance for n-Type PbS through Synergy of Gap State and Fermi Level Pinning. *Journal of the American Chemical Society*, **2019**, 141, 6403-6412	16.4	48
306	Inverse opal manganese dioxide constructed by few-layered ultrathin nanosheets as high-performance cathodes for aqueous zinc-ion batteries. *Nano Research*, **2019**, 12, 1347-1353	10	62
305	Synergy of Nb Doping and Surface Alloy Enhanced on Water-Alkali Electrocatalytic Hydrogen Generation Performance in Ti-Based MXene. *Advanced Science*, **2019**, 6, 1900116	13.6	43
304	Embracing high performance potassium-ion batteries with phosphorus-based electrodes: a review. *Nanoscale*, **2019**, 11, 15402-15417	7.7	41
303	Ultralow Thermal Conductivity and High-Temperature Thermoelectric Performance in n-Type K2.5Bi8.5Se14. *Chemistry of Materials*, **2019**, 31, 5943-5952	9.6	15
302	Local nanostructures enhanced the thermoelectric performance of n-type PbTe. *Journal of Materials Chemistry A*, **2019**, 7, 18458-18467	13	30
301	Synthesis, characterizations, and utilization of oxygen-deficient metal oxides for lithium/sodium-ion batteries and supercapacitors. *Coordination Chemistry Reviews*, **2019**, 397, 138-167	23.2	113
300	MXene-Based Nanocomposites: Surface Modified MXene-Based Nanocomposites for Electrochemical Energy Conversion and Storage (Small 25/2019). *Small*, **2019**, 15, 1970133	11	2
299	Interfacing Epitaxial Dinickel Phosphide to 2D Nickel Thiophosphate Nanosheets for Boosting Electrocatalytic Water Splitting. *ACS Nano*, **2019**, 13, 7975-7984	16.7	104
298	Amorphous Fe-Ni-P-B-O Nanocages as Efficient Electrocatalysts for Oxygen Evolution Reaction. *ACS Nano*, **2019**, 13, 12969-12979	16.7	80
297	Highly Efficient and Stable Hydrogen Production in All pH Range by Two-Dimensional Structured Metal-Doped Tungsten Semicarbides. *Research*, **2019**, 2019, 4029516	7.8	27
296	High Thermoelectric Performance in Polycrystalline SnSe Via Dual-Doping with Ag/Na and Nanostructuring With Ag8SnSe6. *Advanced Energy Materials*, **2019**, 9, 1803072	21.8	64
295	Facile Synthesis of Amorphous Ternary Metal Borides-Reduced Graphene Oxide Hybrid with Superior Oxygen Evolution Activity. *ACS Applied Materials & Interfaces*, **2019**, 11, 846-855	9.5	43
294	Lithiation-Induced Non-Noble Metal Nanoparticles for Li-O Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 811-818	9.5	13
293	Scalable synthesis of a foam-like FeS nanostructure by a solution combustion-sulfurization process for high-capacity sodium-ion batteries. *Nanoscale*, **2018**, 11, 178-184	7.7	27
292	In situ formation of molecular Ni-Fe active sites on heteroatom-doped graphene as a heterogeneous electrocatalyst toward oxygen evolution. *Science Advances*, **2018**, 4, eaap7970	14.3	131
291	Achieving highly efficient electrocatalytic oxygen evolution with ultrathin 2D Fe-doped nickel thiophosphate nanosheets. *Nano Energy*, **2018**, 47, 257-265	17.1	88
290	Few-layer NiPS nanosheets as bifunctional materials for Li-ion storage and oxygen evolution reaction. *Nanoscale*, **2018**, 10, 4890-4896	7.7	55

289	Ultrathin Porous NiFeV Ternary Layer Hydroxide Nanosheets as a Highly Efficient Bifunctional Electrocatalyst for Overall Water Splitting. *Small*, **2018**, 14, 1703257	11	206
288	Titanium carbide-decorated graphite felt as high performance negative electrode in vanadium redox flow batteries. *Journal of Materials Chemistry A*, **2018**, 6, 6625-6632	13	51
287	FeO/SnSSe Hexagonal Nanoplates as Lithium-Ion Batteries Anode. *ACS Applied Materials & Interfaces*, **2018**, 10, 12722-12730	9.5	38
286	Constructing Multifunctional Heterostructure of Fe O @Ni Se Nanotubes. *Small*, **2018**, 14, e1704065	11	33
285	1D to 3D hierarchical iron selenide hollow nanocubes assembled from FeSe2@C core-shell nanorods for advanced sodium ion batteries. *Energy Storage Materials*, **2018**, 10, 48-55	19.4	150
284	Self-Assemble and In Situ Formation of Ni1−xFexPS3 Nanomosaic-Decorated MXene Hybrids for Overall Water Splitting. *Advanced Energy Materials*, **2018**, 8, 1801127	21.8	131
283	Tuning ZnSe/CoSe in MOF-derived N-doped porous carbon/CNTs for high-performance lithium storage. *Journal of Materials Chemistry A*, **2018**, 6, 15710-15717	13	98
282	Performance-improved Li-O batteries by tailoring the phases of MoC porous nanorods as an efficient cathode. *Nanoscale*, **2018**, 10, 14877-14884	7.7	21
281	Soft phonon modes from off-center Ge atoms lead to ultralow thermal conductivity and superior thermoelectric performance in n-type PbSe□GeSe. *Energy and Environmental Science*, **2018**, 11, 3220-3230	35.4	75
280	High Thermoelectric Performance in Supersaturated Solid Solutions and Nanostructured n-Type PbTe□GeTe. *Advanced Functional Materials*, **2018**, 28, 1801617	15.6	69
279	Carbon Necklace Incorporated Electroactive Reservoir Constructing Flexible Papers for Advanced Lithium-Ion Batteries. *Small*, **2018**, 14, 1702770	11	56
278	Electrical and thermal conductivities of MWCNT/polymer composites fabricated by selective laser sintering. *Composites Part A: Applied Science and Manufacturing*, **2018**, 105, 203-213	8.4	81
277	n-Type SnSe2 Oriented-Nanoplate-Based Pellets for High Thermoelectric Performance. *Advanced Energy Materials*, **2018**, 8, 1702167	21.8	76
276	Graphene-supported bimetal phosphorus trisulfides as novel 0D□2D nanohybrid for high rate Li-ion storage. *Journal of Energy Chemistry*, **2018**, 27, 190-194	12	8
275	Nano-confined CoSe2/Mo2C nanoparticles encapsulated into porous carbon nanofibers for superior lithium and sodium storage. *Materials Today Energy*, **2018**, 10, 317-324	7	14
274	Thermoelectric Performance: Enhancement of Thermoelectric Performance in CuSbSe2 Nanoplate-Based Pellets by Texture Engineering and Carrier Concentration Optimization (Small 50/2018). *Small*, **2018**, 14, 1870241	11	2
273	Asymmetric-Layered Tin Thiophosphate: An Emerging 2D Ternary Anode for High-Performance Sodium Ion Full Cell. *ACS Nano*, **2018**, 12, 12902-12911	16.7	26
272	Layered Trichalcogenidophosphate: A New Catalyst Family for Water Splitting. *Nano-Micro Letters*, **2018**, 10, 67	19.5	44

271	Porous MXene Frameworks Support Pyrite Nanodots toward High-Rate Pseudocapacitive Li/Na-Ion Storage. *ACS Applied Materials & Interfaces*, **2018**, 10, 33779-33784	9.5	42
270	O2 plasma and cation tuned nickel phosphide nanosheets for highly efficient overall water splitting. *Nano Energy*, **2018**, 54, 82-90	17.1	73
269	CoSe-Decorated NbSe Nanosheets Fabricated via Cation Exchange for Li Storage. *ACS Applied Materials & Interfaces*, **2018**, 10, 37773-37778	9.5	10
268	Enhancement of Thermoelectric Performance in CuSbSe Nanoplate-Based Pellets by Texture Engineering and Carrier Concentration Optimization. *Small*, **2018**, 14, e1803092	11	9
267	Mosaic-Structured Cobalt Nickel Thiophosphate Nanosheets Incorporated N-doped Carbon for Efficient and Stable Electrocatalytic Water Splitting. *Advanced Functional Materials*, **2018**, 28, 1805075	15.6	38
266	A comprehensive study of electrode compression effects in all vanadium redox flow batteries including locally resolved measurements. *Applied Energy*, **2018**, 230, 974-982	10.7	36
265	Controlled synthesis of nickel carbide nanoparticles and their application in lithium storage. *Chemical Engineering Journal*, **2018**, 352, 940-946	14.7	7
264	Co S /MoS Yolk-Shell Spheres for Advanced Li/Na Storage. *Small*, **2017**, 13, 1603490	11	127
263	From zinc-cyanide hybrid coordination polymers to hierarchical yolk-shell structures for high-performance and ultra-stable lithium-ion batteries. *Nano Energy*, **2017**, 33, 168-176	17.1	40
262	Sn Nanoparticles Encapsulated in 3D Nanoporous Carbon Derived from a Metal-Organic Framework for Anode Material in Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 17172-17177	9.5	70
261	Advanced Cathode Materials for Sodium-Ion Batteries: What Determines Our Choices?. *Small Methods*, **2017**, 1, 1700098	12.8	146
260	Tunable Co3O4 hollow structures (from yolk□shell to multi-shell) and their Li storage properties. *Journal of Materials Chemistry A*, **2017**, 5, 12757-12761	13	32
259	3D ordered porous MoC (x = 1 or 2) for advanced hydrogen evolution and Li storage. *Nanoscale*, **2017**, 9, 7260-7267	7.7	48
258	High-Energy/Power and Low-Temperature Cathode for Sodium-Ion Batteries: In Situ XRD Study and Superior Full-Cell Performance. *Advanced Materials*, **2017**, 29, 1701968	24	266
257	Fabrication of High Energy Li□on Capacitors from Orange Peel Derived Porous Carbon. *ChemistrySelect*, **2017**, 2, 5051-5058	1.8	15
256	□Co(OH) Nanosheets: A Superior Pseudocapacitive Electrode for High-Energy Supercapacitors. *Chemistry - an Asian Journal*, **2017**, 12, 2127-2133	4.5	30
255	2D Black Phosphorus for Energy Storage and Thermoelectric Applications. *Small*, **2017**, 13, 1700661	11	113
254	FeS□nS Composite Nanosheets for Enhanced Lithium Storage Properties. *ChemNanoMat*, **2017**, 3, 420-427	3.5	6

253	Hexagonal-Phase Cobalt Monophosphosulfide for Highly Efficient Overall Water Splitting. *ACS Nano*, **2017**, 11, 11031-11040	16.7	239
252	Recent advances in printable secondary batteries. *Journal of Materials Chemistry A*, **2017**, 5, 22442-22458	13	40
251	NbS Nanosheets with M/Se (M = Fe, Co, Ni) Codopants for Li and Na Storage. *ACS Nano*, **2017**, 11, 10599-10607	16.7	68
250	S-Doped TiSe Nanoplates/Fe O Nanoparticles Heterostructure. *Small*, **2017**, 13, 1702181	11	16
249	Nonaqueous Hybrid Lithium-Ion and Sodium-Ion Capacitors. *Advanced Materials*, **2017**, 29, 1702093	24	541
248	Scalable synthesis of SnS/S-doped graphene composites for superior Li/Na-ion batteries. *Nanoscale*, **2017**, 9, 14820-14825	7.7	78
247	Functionalized few-layer black phosphorus with super-wettability towards enhanced reaction kinetics for rechargeable batteries. *Nano Energy*, **2017**, 40, 576-586	17.1	75
246	Hydrogenated vanadium oxides as an advanced anode material in lithium ion batteries. *Nano Research*, **2017**, 10, 4266-4273	10	5
245	Investigation on electrochemical behaviors of NiCo2O4 battery-type supercapacitor electrodes: the role of an aqueous electrolyte. *Inorganic Chemistry Frontiers*, **2017**, 4, 1642-1648	6.8	112
244	Nanostructured Metal Chalcogenides for Energy Storage and Electrocatalysis. *Advanced Functional Materials*, **2017**, 27, 1702317	15.6	234
243	Fe-Doped Ni3C Nanodots in N-Doped Carbon Nanosheets for Efficient Hydrogen-Evolution and Oxygen-Evolution Electrocatalysis. *Angewandte Chemie*, **2017**, 129, 12740-12744	3.6	43
242	Designing hybrid architectures for advanced thermoelectric materials. *Materials Chemistry Frontiers* , **2017**, 1, 2457-2473	7.8	30
241	Fe-Doped Ni C Nanodots in N-Doped Carbon Nanosheets for Efficient Hydrogen-Evolution and Oxygen-Evolution Electrocatalysis. *Angewandte Chemie - International Edition*, **2017**, 56, 12566-12570	16.4	240
240	Scalable Synthesis of Honeycomblike VO/Carbon Nanotube Networks as Enhanced Cathodes for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 42438-42443	9.5	18
239	General and Scalable Solid-State Synthesis of 2D MPS3 (M = Fe, Co, Ni) Nanosheets and Tuning Their Li/Na Storage Properties. *Small Methods*, **2017**, 1, 1700304	12.8	57
238	Alloy-Based Anode Materials toward Advanced Sodium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1700622	24	461
237	Multifunctional 0D/2D Ni2P Nanocrystals/Black Phosphorus Heterostructure. *Advanced Energy Materials*, **2017**, 7, 1601285	21.8	114
236	Controllable Preparation of Square Nickel Chalcogenide (NiS and NiSe2) Nanoplates for Superior Li/Na Ion Storage Properties. *ACS Applied Materials & Interfaces*, **2016**, 8, 25261-7	9.5	145

235	High energy Li-ion capacitors with conversion type Mn3O4 particulates anchored to few layer graphene as the negative electrode. *Journal of Materials Chemistry A*, **2016**, 4, 15134-15139	13	34
234	Atomic Layer Deposition of Amorphous TiO2 on Carbon Nanotube Networks and Their Superior Li and Na Ion Storage Properties. *Advanced Materials Interfaces*, **2016**, 3, 1600375	4.6	63
233	Vanadium Carbide Based Composite for High Performance Oxygen Reduction Reaction and Lithium Ion Batteries. *ChemistrySelect*, **2016**, 1, 2682-2686	1.8	10
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