John B. Goodenough

List of Publications by Year
in descending order

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658	106,285	300	258
papers	citations	143 h-index	308 g-index

670	670	670	60842
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A self-regulated gradient interphase for dendrite-free solid-state Li batteries. Energy and Environmental Science, 2022, 15, 1325-1333.	15.6	98
2	Lattice and magnetic dynamics in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YVO</mml:mi><mml:mn>3</mml:mn></mml:msub></mm Mott insulator studied by neutron scattering and first-principles calculations. Physical Review B, 2022, 105, .	1.1	1
3	Reaction Mechanism Optimization of Solidâ€State Liâ€“S Batteries with a PEOâ€Based Electrolyte. Advanced Functional Materials, 2021, 31, 2001812.	7.8	116
4	Ambientâ€Temperature Allâ€Solidâ€State Sodium Batteries with a Laminated Composite Electrolyte. Advanced Functional Materials, 2021, 31, 2002144.	7.8	63
5	Charge Disproportionation and Complex Magnetism in a PbMnO3 Perovskite Synthesized under High Pressure. Chemistry of Materials, 2021, 33, 92-101.	3.2	4
6	Titanium Niobium Oxide: From Discovery to Application in Fast-Charging Lithium-Ion Batteries. Chemistry of Materials, 2021, 33, 4-18.	3.2	104
7	Allâ€Solidâ€State Sodium Batteries with a Polyethylene Glycol Diacrylateâ€“Na₃Zr₂Si₂PO₁₂ Composite Electrolyte. Advanced Energy and Sustainability Research, 2021, 2, 2000061.	2.8	19
8	Formation of Stable Interphase of Polymer-in-Salt Electrolyte in All-Solid-State Lithium Batteries. Energy Material Advances, 2021, 2021, .	4.7	99
9	Pillar-beam structures prevent layered cathode materials from destructive phase transitions. Nature Communications, 2021, 12, 13.	5.8	85
10	Elevating Energy Density for Sodium-Ion Batteries through Multielectron Reactions. Nano Letters, 2021, 21, 2281-2287.	4.5	54
11	The 2021 battery technology roadmap. Journal Physics D: Applied Physics, 2021, 54, 183001.	1.3	158
12	Layered lithium cobalt oxide cathodes. Nature Energy, 2021, 6, 323-323.	19.8	75
13	Interfacial Chemistry Enables Stable Cycling of All-Solid-State Li Metal Batteries at High Current Densities. Journal of the American Chemical Society, 2021, 143, 6542-6550.	6.6	200
14	Ionic Liquid (IL) Laden Metalâ€“Organic Framework (IL-MOF) Electrolyte for Quasi-Solid-State Sodium Batteries. ACS Applied Materials & Interfaces, 2021, 13, 24662-24669.	4.0	42
15	Li₂S₆â€Integrated PEOâ€Based Polymer Electrolytes for Allâ€Solidâ€State Lithiumâ€Metal Batteries. Angewandte Chemie - International Edition, 2021, 60, 17701-17706.	7.2	127
16	Rationally Designed PEGDAâ€“LLZTO Composite Electrolyte for Solid-State Lithium Batteries. ACS Applied Materials & Interfaces, 2021, 13, 30703-30711.	4.0	51
17	Li₂S₆â€Integrated PEOâ€Based Polymer Electrolytes for Allâ€Solidâ€State Lithiumâ€Metal Batteries. Angewandte Chemie, 2021, 133, 17842-17847.	1.6	33
18	Lithium-based polyanion oxide cathodes. Nature Energy, 2021, 6, 844-845.	19.8	25

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19	Efficient Aqueous Electroreduction of CO₂ to Formate at Low Overpotential on Indium Tin Oxide Nanocrystals. Chemistry of Materials, 2021, 33, 7675-7685.	3.2	16
20	Designing composite polymer electrolytes for all-solid-state lithium batteries. Current Opinion in Electrochemistry, 2021, 30, 100828.	2.5	15
21	Solid State and Intercalation Chemistry of Nickel-Tellurate Cathodes for Lithium and Sodium Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 204-204.	0.0	0
22	Fast Li⁺ Conduction Mechanism and Interfacial Chemistry of a NASICON/Polymer Composite Electrolyte. Journal of the American Chemical Society, 2020, 142, 2497-2505.	6.6	199
23	Micropores-in-macroporous gel polymer electrolytes for alkali metal batteries. Sustainable Energy and Fuels, 2020, 4, 177-189.	2.5	21
24	Dataset on a ferroelectric based electrostatic and electrochemical Li-cell with a traditional cathode. Data in Brief, 2020, 29, 105087.	0.5	2
25	Enhanced Surface Interactions Enable Fast Li⁺ Conduction in Oxide/Polymer Composite Electrolyte. Angewandte Chemie, 2020, 132, 4160-4166.	1.6	27
26	Correlative imaging of ionic transport and electronic structure in nano Li_{0.5}FePO₄ electrodes. Chemical Communications, 2020, 56, 984-987.	2.2	7
27	Enhanced Surface Interactions Enable Fast Li⁺ Conduction in Oxide/Polymer Composite Electrolyte. Angewandte Chemie - International Edition, 2020, 59, 4131-4137.	7.2	242
28	Graphitic€Shell Encapsulation of Metal Electrocatalysts for Oxygen Evolution, Oxygen Reduction, and Hydrogen Evolution in Alkaline Solution. Advanced Energy Materials, 2020, 10, 1903215.	10.2	138
29	Black phosphorus composites with engineered interfaces for high-rate high-capacity lithium storage. Science, 2020, 370, 192-197.	6.0	336
30	Structural and Electrochemical Consequences of Sodium in the Transition-Metal Layer of O€²3-Na₃Ni_{1.5}TeO₆. Chemistry of Materials, 2020, 32, 10035-10044.	3.2	14
31	Thermodynamic Understanding of Li-Dendrite Formation. Joule, 2020, 4, 1864-1879.	11.7	252
32	Composition€Tunable Antiperovskite Cu_xIn_{1â^'x}NNi₃ as Superior Electrocatalysts for the Hydrogen Evolution Reaction. Angewandte Chemie, 2020, 132, 17641-17646.	1.6	7
33	NASICON Li_{1.2}Mg_{0.1}Zr_{1.9}(PO₄)₃ Solid Electrolyte for an All€Solid€State Li€Metal Battery. Small Methods, 2020, 4, 2000764.	4.6	42
34	On high-temperature evolution of passivation layer in Li€“10 wt % Mg alloy via in situ SEM-EBSD. Science Advances, 2020, 6, .	4.7	13
35	Origin of extra capacity in the solid electrolyte interphase near high-capacity iron carbide anodes for Li ion batteries. Energy and Environmental Science, 2020, 13, 2924-2937.	15.6	68
36	Composition€Tunable Antiperovskite Cu_xIn_{1â^'x}NNi₃ as Superior Electrocatalysts for the Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2020, 59, 17488-17493.	7.2	39

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37	Dataset on a primary lithium battery cell with a ferroelectric Li-glass electrolyte and MnO2 cathode. Data in Brief, 2020, 29, 105339.	0.5	1
38	The sounds of scienceâ€"a symphony for many instruments and voices. Physica Scripta, 2020, 95, 062501.	1.2	9
39	General Strategy for Synthesis of Ordered Pt₃M Intermetallics with Ultrasmall Particle Size. Angewandte Chemie, 2020, 132, 7931-7937.	1.6	20
40	Performance of a ferroelectric glass electrolyte in a self-charging electrochemical cell with negative capacitance and resistance. Applied Physics Reviews, 2020, 7, .	5.5	26
41	Three Electron Reversible Redox Reaction in Sodium Vanadium Chromium Phosphate as a Highâ€Energyâ€Density Cathode for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2020, 30, 1908680.	7.8	85
42	Behavior of Solid Electrolyte in Li-Polymer Battery with NMC Cathode via in-Situ Scanning Electron Microscopy. Nano Letters, 2020, 20, 1607-1613.	4.5	85
43	In Situ Formation of Li₃P Layer Enables Fast Li⁺ Conduction across Li/Solid Polymer Electrolyte Interface. Advanced Functional Materials, 2020, 30, 2000831.	7.8	78
44	KTa_{1â€“xâ€“y}Ti_xGe_yO_{3â^'Î´}: A High Îº Relaxor Dielectric and Superior Oxide-Ion Electrolyte for IT-SOFC. ACS Applied Energy Materials, 2020, 3, 3205-3211.	2.5	8
45	A Ternary Hybridâ€Cation Roomâ€Temperature Liquid Metal Battery and Interfacial Selection Mechanism Study. Advanced Materials, 2020, 32, e2000316.	11.1	40
46	In Situ Formation of Liquid Metals via Galvanic Replacement Reaction to Build Dendriteâ€Free Alkaliâ€Metalâ€Ion Batteries. Angewandte Chemie, 2020, 132, 12268-12275.	1.6	9
47	In Situ Formation of Liquid Metals via Galvanic Replacement Reaction to Build Dendriteâ€Free Alkaliâ€Metalâ€Ion Batteries. Angewandte Chemie - International Edition, 2020, 59, 12170-12177.	7.2	41
48	Upgrading Traditional Organic Electrolytes toward Future Lithium Metal Batteries: A Hierarchical Nano-SiO₂-Supported Gel Polymer Electrolyte. ACS Energy Letters, 2020, 5, 1681-1688.	8.8	85
49	General Strategy for Synthesis of Ordered Pt₃M Intermetallics with Ultrasmall Particle Size. Angewandte Chemie - International Edition, 2020, 59, 7857-7863.	7.2	103
50	Formation of Stable Interphase of Polymer-in-Salt Electrolyte in All-Solid-State Lithium Batteries. Energy Material Advances, 2020, 2020, 1-10.	4.7	27
51	(Invited) Directions of High Energy Batteries and Status of Battery500 Consortium. ECS Meeting Abstracts, 2020, MA2020-02, 29-29.	0.0	0
52	(Invited) In Operando and in Situ techniques for Intercalation Compounds in Li-Ion and All-Solid-State Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 16-16.	0.0	0
53	Pressure-induced phase transitions and superconductivity in a quasiâ€"1-dimensional topological crystalline insulator Î±-Bi ₄ Br ₄. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17696-17700.	3.3	36
54	Exceptional oxygen evolution reactivities on CaCoO ₃ and SrCoO ₃. Science Advances, 2019, 5, eaav6262.	4.7	132

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55	A New Type of Electrolyte System To Suppress Polysulfide Dissolution for Lithiumâ€“Sulfur Battery. ACS Nano, 2019, 13, 9067-9073.	7.3	69
56	Room-temperature liquid metal and alloy systems for energy storage applications. Energy and Environmental Science, 2019, 12, 2605-2619.	15.6	122
57	Effect of Chemical Treatment on the Surface Structure of Li1â^'x[Mn2]O4. Microscopy and Microanalysis, 2019, 25, 2078-2079.	0.2	0
58	A perspective on the Li-ion battery. Science China Chemistry, 2019, 62, 1555-1556.	4.2	62
59	Electrochemical Properties of Three Li₂Ni₂TeO₆ Structural Polymorphs. Chemistry of Materials, 2019, 31, 9379-9388.	3.2	29
60	Short Oâ€“O separation in layered oxide Na _{0.67} CoO ₂ enables an ultrafast oxygen evolution reaction. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23473-23479.	3.3	52
61	Sizeâ€, Waterâ€, and Defectâ€Regulated Potassium Manganese Hexacyanoferrate with Superior Cycling Stability and Rate Capability for Lowâ€Cost Sodiumâ€Ion Batteries. Small, 2019, 15, e1902420.	5.2	82
62	Thermodynamic considerations of same-metal electrodes in an asymmetric cell. Materials Theory, 2019, 3, .	2.2	4
63	High-performance all-solid-state batteries enabled by salt bonding to perovskite in poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 18815-18821.	3.3	213
64	Antiperovskite Nitrides CuNCo_{3â€“x}V_x: Highly Efficient and Durable Electrocatalysts for the Oxygen-Evolution Reaction. Nano Letters, 2019, 19, 7457-7463.	4.5	62
65	A Liquidâ€Metalâ€Enabled Versatile Organic Alkaliâ€Ion Battery. Advanced Materials, 2019, 31, e1806956.	11.1	99
66	Electrochemical Performance of Large-Grained NaCrO₂ Cathode Materials for Na-Ion Batteries Synthesized by Decomposition of Na₂Cr₂O₇Â·2H₂O. Chemistry of Materials, 2019, 31, 5214-5223.	3.2	34
67	Lowâ€Cost Selfâ€Assembled Oxide Separator for Rechargeable Batteries. Advanced Functional Materials, 2019, 29, 1903550.	7.8	21
68	A High-Performance All-Solid-State Sodium Battery with a Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (oxide)â€“Na<sub 1, 132-138.		81
69	Superior Oxygen Electrocatalysis on Nickel Indium Thiospinels for Rechargeable Znâ€“Air Batteries. , 2019, 1, 123-131.		199
70	Low-Temperature Performance of a Ferroelectric Glass Electrolyte Rechargeable Cell. ACS Applied Energy Materials, 2019, 2, 4943-4953.	2.5	8
71	Fiberâ€inâ€Tube Design of Co₉S₈â€Carbon/Co₉S₈: Enabling Efficient Sodium Storage. Angewandte Chemie, 2019, 131, 6305-6309.	1.6	15
72	Fiberâ€inâ€Tube Design of Co₉S₈â€Carbon/Co₉S₈: Enabling Efficient Sodium Storage. Angewandte Chemie - International Edition, 2019, 58, 6239-6243.	7.2	137

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73	Lithium anode stable in air for low-cost fabrication of a dendrite-free lithium battery. Nature Communications, 2019, 10, 900.	5.8	297
74	Pathways for practical high-energy long-cycling lithium metal batteries. Nature Energy, 2019, 4, 180-186.	19.8	2,101
75	Polar polymerâ€“solvent interaction derived favorable interphase for stable lithium metal batteries. Energy and Environmental Science, 2019, 12, 3319-3327.	15.6	122
76	Personal journey into solid state chemistry. Journal of Solid State Chemistry, 2019, 271, 387-392.	1.4	6
77	Oxidizing Vacancies in Nitrogenâ€Doped Carbon Enhance Airâ€Cathode Activity. Advanced Materials, 2019, 31, e1803339.	11.1	52
78	Doubleâ€Layer Polymer Electrolyte for Highâ€Voltage Allâ€Solidâ€State Rechargeable Batteries. Advanced Materials, 2019, 31, e1805574.	11.1	321
79	Structurally Ordered Fe₃Pt Nanoparticles on Robust Nitride Support as a High Performance Catalyst for the Oxygen Reduction Reaction. Advanced Energy Materials, 2019, 9, 1803040.	10.2	96
80	Low-Cost Self-Assembled Oxide Separator for Rechargeable Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
81	A Microporous Gel Polymer Electrolyte for Sodium Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
82	Nontraditional, Safe, High Voltage Rechargeable Cells of Long Cycle Life. Journal of the American Chemical Society, 2018, 140, 6343-6352.	6.6	58
83	Garnet Electrolyte with an Ultralow Interfacial Resistance for Li-Metal Batteries. Journal of the American Chemical Society, 2018, 140, 6448-6455.	6.6	427
84	A Highâ€Energyâ€Density Potassium Battery with a Polymerâ€Gel Electrolyte and a Polyaniline Cathode. Angewandte Chemie, 2018, 130, 5547-5551.	1.6	47
85	Stabilizing a High-Energy-Density Rechargeable Sodium Battery with a Solid Electrolyte. CheM, 2018, 4, 833-844.	5.8	195
86	Titelbild: A 3D Nanostructured Hydrogelâ€Frameworkâ€Derived Highâ€Performance Composite Polymer Lithiumâ€Ion Electrolyte (Angew. Chem. 8/2018). Angewandte Chemie, 2018, 130, 2025-2025.	1.6	1
87	Oxygen-Electrode Catalysis on Oxoperovskites at 700 Â°C versus 20 Â°C. Chemistry of Materials, 2018, 30, 629-635.	3.2	12
88	Cathode Dependence of Liquid-Alloy Naâ€“K Anodes. Journal of the American Chemical Society, 2018, 140, 3292-3298.	6.6	95
89	PEO/garnet composite electrolytes for solid-state lithium batteries: From â€œceramic-in-polymerâ€•to â€œpolymer-in-ceramicâ€• Nano Energy, 2018, 46, 176-184.	8.2	1,042
90	Batteries for electric road vehicles. Dalton Transactions, 2018, 47, 645-648.	1.6	35

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91	New Mechanism for Ferroelectricity in the Perovskite Ca_{2â€“x}Mn_xTi₂O₆ Synthesized by Spark Plasma Sintering. Journal of the American Chemical Society, 2018, 140, 2214-2220.	6.6	32
92	A 3D Nanostructured Hydrogelâ€Frameworkâ€Derived Highâ€Performance Composite Polymer Lithiumâ€Ion Electrolyte. Angewandte Chemie - International Edition, 2018, 57, 2096-2100.	7.2	484
93	A 3D Nanostructured Hydrogelâ€Frameworkâ€Derived Highâ€Performance Composite Polymer Lithiumâ€Ion Electrolyte. Angewandte Chemie, 2018, 130, 2118-2122.	1.6	34
94	How we made the Li-ion rechargeable battery. Nature Electronics, 2018, 1, 204-204.	13.1	400
95	A Highâ€Energyâ€Density Potassium Battery with a Polymerâ€Gel Electrolyte and a Polyaniline Cathode. Angewandte Chemie - International Edition, 2018, 57, 5449-5453.	7.2	205
96	Superior Oxygen Electrocatalysis on RuSe x Nanoparticles for Rechargeable Air Cathodes. Advanced Energy Materials, 2018, 8, 1702037.	10.2	13
97	Robust N-doped carbon aerogels strongly coupled with ironâ€“cobalt particles as efficient bifunctional catalysts for rechargeable Znâ€“air batteries. Nanoscale, 2018, 10, 19937-19944.	2.8	144
98	Extraordinary Dielectric Properties at Heterojunctions of Amorphous Ferroelectrics. Journal of the American Chemical Society, 2018, 140, 17968-17976.	6.6	21
99	Na₃MnZr(PO₄)₃: A High-Voltage Cathode for Sodium Batteries. Journal of the American Chemical Society, 2018, 140, 18192-18199.	6.6	195
100	A Selfâ€Healing Roomâ€Temperature Liquidâ€Metal Anode for Alkaliâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1804649.	7.8	147
101	Li₃N-Modified Garnet Electrolyte for All-Solid-State Lithium Metal Batteries Operated at 40 Â°C. Nano Letters, 2018, 18, 7414-7418.	4.5	270
102	Selective CO Evolution from Photoreduction of CO₂ on a Metal-Carbide-Based Composite Catalyst. Journal of the American Chemical Society, 2018, 140, 13071-13077.	6.6	65
103	Roomâ€Temperature Liquid Naâ€“K Anode Membranes. Angewandte Chemie - International Edition, 2018, 57, 14184-14187.	7.2	73
104	Exploring Indiumâ€Based Ternary Thiospinel as Conceivable Highâ€Potential Airâ€Cathode for Rechargeable Znâ€“Air Batteries. Advanced Energy Materials, 2018, 8, 1802263.	10.2	248
105	Pressure-induced phase transitions and superconductivity in a black phosphorus single crystal. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9935-9940.	3.3	47
106	Roomâ€Temperature Liquid Naâ€“K Anode Membranes. Angewandte Chemie, 2018, 130, 14380-14383.	1.6	15
107	Polymer lithium-garnet interphase for an all-solid-state rechargeable battery. Nano Energy, 2018, 53, 926-931.	8.2	103
108	Spin freezing into a disordered state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CaFeT</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> synthesized under high pressure. Physical Review B, 2018, 98, .	1.1	2

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109	A Perovskite Electrolyte That Is Stable in Moist Air for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2018, 57, 8587-8591.	7.2	103
110	A Perovskite Electrolyte That Is Stable in Moist Air for Lithiumâ€Ion Batteries. Angewandte Chemie, 2018, 130, 8723-8727.	1.6	7
111	Communicationâ€"Characterization of LiAlCl₄Â·xSO₂Inorganic Liquid Li⁺Electrolyte. Journal of the Electrochemical Society, 2018, 165, A1694-A1696.	1.3	10
112	Unlocking the potential of amorphous red phosphorus films as a long-term stable negative electrode for lithium batteries. Journal of Materials Chemistry A, 2017, 5, 1925-1929.	5.2	24
113	Low-Cost High-Energy Potassium Cathode. Journal of the American Chemical Society, 2017, 139, 2164-2167.	6.6	446
114	Photocatalytic CO₂ Reduction by Carbon-Coated Indium-Oxide Nanobelts. Journal of the American Chemical Society, 2017, 139, 4123-4129.	6.6	434
115	Conducting Nanopaper: A Carbon-Free Cathode Platform for Liâ€"O₂ Batteries. ACS Energy Letters, 2017, 2, 673-680.	8.8	30
116	A Plasticâ€"Crystal Electrolyte Interphase for Allâ€Solidâ€State Sodium Batteries. Angewandte Chemie - International Edition, 2017, 56, 5541-5545.	7.2	160
117	A Plasticâ€"Crystal Electrolyte Interphase for Allâ€Solidâ€State Sodium Batteries. Angewandte Chemie, 2017, 129, 5633-5637.	1.6	34
118	An Inverse Aluminum Battery: Putting the Aluminum as the Cathode. ACS Energy Letters, 2017, 2, 1534-1538.	8.8	19
119	Hierarchically mesoporous nickel-iron nitride as a cost-efficient and highly durable electrocatalyst for Zn-air battery. Nano Energy, 2017, 39, 77-85.	8.2	216
120	High-Pressure Synthesis, Crystal Structure, and Magnetic and Transport Properties of a Six-Layered SrRhO₃. Inorganic Chemistry, 2017, 56, 8187-8194.	1.9	5
121	Self-assembled porous carbon microparticles derived from halloysite clay as a lithium battery anode. Journal of Materials Chemistry A, 2017, 5, 7345-7354.	5.2	56
122	2D Layered Graphitic Carbon Nitride Sandwiched with Reduced Graphene Oxide as Nanoarchitectured Anode for Highly Stable Lithium-ion Battery. Electrochimica Acta, 2017, 237, 69-77.	2.6	51
123	Electric Dipoles and Ionic Conductivity in a Na⁺Glass Electrolyte. Journal of the Electrochemical Society, 2017, 164, A207-A213.	1.3	26
124	Hybrid Polymer/Garnet Electrolyte with a Small Interfacial Resistance for Lithiumâ€Ion Batteries. Angewandte Chemie, 2017, 129, 771-774.	1.6	72
125	Hybrid Polymer/Garnet Electrolyte with a Small Interfacial Resistance for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2017, 56, 753-756.	7.2	449
126	Alternative strategy for a safe rechargeable battery. Energy and Environmental Science, 2017, 10, 331-336.	15.6	228

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127	Rechargeable Sodium All-Solid-State Battery. ACS Central Science, 2017, 3, 52-57.	5.3	332
128	Changing Outlook for Rechargeable Batteries. ACS Catalysis, 2017, 7, 1132-1135.	5.5	27
129	Robust Fe₃Mo₃C Supported IrMn Clusters as Highly Efficient Bifunctional Air Electrode for Metalâ€“Air Battery. Advanced Materials, 2017, 29, 1702385.	11.1	90
130	Dendriteâ€Suppressed Lithium Plating from a Liquid Electrolyte via Wetting of Li₃N. Advanced Energy Materials, 2017, 7, 1700732.	10.2	190
131	Ni₃FeNâ€Supported Fe₃Pt Intermetallic Nanoalloy as a Highâ€Performance Bifunctional Catalyst for Metalâ€“Air Batteries. Angewandte Chemie, 2017, 129, 10033-10037.	1.6	25
132	Ni₃FeNâ€Supported Fe₃Pt Intermetallic Nanoalloy as a Highâ€Performance Bifunctional Catalyst for Metalâ€“Air Batteries. Angewandte Chemie - International Edition, 2017, 56, 9901-9905.	7.2	175
133	Ni₃Feâ€N Doped Carbon Sheets as a Bifunctional Electrocatalyst for Air Cathodes. Advanced Energy Materials, 2017, 7, 1601172.	10.2	369
134	A high-performance all-metallocene-based, non-aqueous redox flow battery. Energy and Environmental Science, 2017, 10, 491-497.	15.6	189
135	Long stable cycling of fluorine-doped nickel-rich layered cathodes for lithium batteries. Sustainable Energy and Fuels, 2017, 1, 1292-1298.	2.5	22
136	Mesoporous Titanium Nitrideâ€Enabled Highly Stable Lithiumâ€Sulfur Batteries. Advanced Materials, 2016, 28, 6926-6931.	11.1	544
137	Lowâ€Cost Higher Loading of a Sulfur Cathode. Advanced Energy Materials, 2016, 6, 1502059.	10.2	92
138	A Sodiumâ€Ion Battery with a Lowâ€Cost Crossâ€Linked Gelâ€Polymer Electrolyte. Advanced Energy Materials, 2016, 6, 1600467.	10.2	126
139	The Electrochemistry with Lithium versus Sodium of Selenium Confined To Slit Micropores in Carbon. Nano Letters, 2016, 16, 4560-4568.	4.5	140
140	Subzeroâ€Temperature Cathode for a Sodiumâ€Ion Battery. Advanced Materials, 2016, 28, 7243-7248.	11.1	406
141	Insulating Pockets in Metallic LaNiO₃. Advanced Electronic Materials, 2016, 2, 1500261.	2.6	23
142	Li₃N as a Cathode Additive for Highâ€Energyâ€Density Lithiumâ€Ion Batteries. Advanced Energy Materials, 2016, 6, 1502534.	10.2	182
143	Lattice and magnetic dynamics in perovskite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow> Physical Review B, 2016, 94, .	1.1	8
144	Localized Mg-vacancy states in the thermoelectric material Mg2â^’Î´Si0.4Sn0.6. Journal of Applied Physics, 2016, 119, .	1.1	9

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145	Revealing the Reconstructed Surface of Li[Mn₂]O₄. Nano Letters, 2016, 16, 2899-2906.	4.5	71
146	Catalytic activities for methanol oxidation on ultrathin CuPt₃ wavy nanowires with/without smart polymer. Chemical Science, 2016, 7, 5414-5420.	3.7	71
147	Lowâ€Cost Hollow Mesoporous Polymer Spheres and Allâ€Solidâ€State Lithium, Sodium Batteries. Advanced Energy Materials, 2016, 6, 1501802.	10.2	132
148	Sodium Extraction from NASICON-Structured Na₃MnTi(PO₄)₃ through Mn(III)/Mn(II) and Mn(IV)/Mn(III) Redox Couples. Chemistry of Materials, 2016, 28, 6553-6559.	3.2	156
149	NaFe₂PO₄(SO₄)₂: a potential cathode for a Na-ion battery. Energy and Environmental Science, 2016, 9, 3103-3106.	15.6	72
150	Novel Hydrogel-Derived Bifunctional Oxygen Electrocatalyst for Rechargeable Air Cathodes. Nano Letters, 2016, 16, 6516-6522.	4.5	241
151	Cellulose-Based Porous Membrane for Suppressing Li Dendrite Formation in Lithiumâ€“Sulfur Battery. ACS Energy Letters, 2016, 1, 633-637.	8.8	160
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