

Youngsik Kim

List of Publications by Year in descending order

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papers

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50276

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times ranked

17146
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#	ARTICLE	IF	CITATIONS
1	Carbothermal shock-induced bifunctional Pt-Co alloy electrocatalysts for high-performance seawater batteries. <i>Energy Storage Materials</i> , 2022, 45, 281-290.	18.0	11
2	Seawater battery desalination with a reverse osmosis membrane for simultaneous brine treatment and energy storage. <i>Journal of Cleaner Production</i> , 2022, 333, 130188.	9.3	7
3	Zero fire battery concept: water-in-battery. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6481-6488.	10.3	4
4	Strong interfacial energetics between catalysts and current collectors in aqueous sodium-air batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4601-4610.	10.3	10
5	Development of Prismatic Cells for Rechargeable Seawater Batteries. <i>Advanced Sustainable Systems</i> , 2022, 6, .	5.3	6
6	Effect of Electrolytes on the Cathode-Electrolyte Interfacial Stability of Fe-Based Layered Cathodes for Sodium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2022, 169, 030536.	2.9	10
7	Development of Rechargeable Seawater Battery Module. <i>Journal of the Electrochemical Society</i> , 2022, 169, 040508.	2.9	8
8	A Na ⁺ ion-selective desalination system utilizing a NASICON ceramic membrane. <i>Water Research</i> , 2022, 215, 118250.	11.3	10
9	3D Ion-Conducting, Scalable, and Mechanically Reinforced Ceramic Film for High Voltage Solid-State Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2002008.	14.9	13
10	Design of Large-Scale Rectangular Cells for Rechargeable Seawater Batteries. <i>Advanced Sustainable Systems</i> , 2021, 5, .	5.3	17
11	New High-Performance Pb-Based Nanocomposite Anode Enabled by Wide-Range Pb Redox and Zintl Phase Transition. <i>Advanced Functional Materials</i> , 2021, 31, 2005362.	14.9	6
12	Using redox electrolytes to extend the charge storage capacity in an aqueous hybrid ion battery. <i>Chemical Engineering Journal</i> , 2021, 411, 128416.	12.7	10
13	Investigating the influence of catholyte salinity on seawater battery desalination. <i>Desalination</i> , 2021, 506, 115018.	8.2	13
14	Simultaneous Energy Storage and Seawater Desalination using Rechargeable Seawater Battery: Feasibility and Future Directions. <i>Advanced Science</i> , 2021, 8, e2101289.	11.2	26
15	Disinfection-Dechlorination Battery for Safe Water Production. <i>ACS ES&T Water</i> , 2021, 1, 2146-2154.	4.6	4
16	Redox-Mediated Red-Phosphorous Semi-Liquid Anode Enabling Metal-Free Rechargeable Na-Seawater Batteries with High Energy Density. <i>Advanced Energy Materials</i> , 2021, 11, 2102061.	19.5	13
17	Characterization of hot-pressed von Alpen type NASICON ceramic electrolytes. <i>Solid State Ionics</i> , 2021, 369, 115712.	2.7	14
18	Ruthenium Core-Shell Engineering with Nickel Single Atoms for Selective Oxygen Evolution via Nondestructive Mechanism. <i>Advanced Energy Materials</i> , 2021, 11, 2003448.	19.5	124

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19	Seawater Battery-Based Wireless Marine Buoy System With Battery Degradation Prediction and Multiple Power Optimization Capabilities. <i>IEEE Access</i> , 2021, 9, 104104-104114.	4.2	9
20	Investigation on the Structure and Properties of Na _{3.1} Zr _{1.55} Si _{2.3} P _{0.7} O ₁₁ as a Solid Electrolyte and Its Application in a Seawater Battery. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52727-52735.	8.0	18
21	Chemical Stability and Degradation Mechanism of Solid Electrolytes/Aqueous Media at a Steady State for Long-Lasting Sodium Batteries. <i>Chemistry of Materials</i> , 2021, 33, 126-135.	6.7	14
22	Alkali-Metal-Mediated Reversible Chemical Hydrogen Storage Using Seawater. <i>Jacs Au</i> , 2021, 1, 2339-2348.	7.9	6
23	Hybridization of cathode electrochemistry in a rechargeable seawater battery: Toward performance enhancement. <i>Journal of Power Sources</i> , 2020, 450, 227600.	7.8	26
24	Hybrid photoelectrochemical-rechargeable seawater battery for efficient solar energy storage systems. <i>Electrochimica Acta</i> , 2020, 332, 135443.	5.2	19
25	An epoxy-reinforced ceramic sheet as a durable solid electrolyte for solid state Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14528-14537.	10.3	23
26	Unveiling interfacial dynamics and structural degradation of solid electrolytes in a seawater battery system. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21804-21811.	10.3	8
27	Compartmentalized desalination and salination by high energy density desalination seawater battery. <i>Desalination</i> , 2020, 495, 114666.	8.2	33
28	Binder-free organic cathode based on nitroxide radical polymer-functionalized carbon nanotubes and gel polymer electrolyte for high-performance sodium organic polymer batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17980-17986.	10.3	25
29	Tetraruthenium Polyoxometalate as an Atom-Efficient Bifunctional Oxygen Evolution Reaction/Oxygen Reduction Reaction Catalyst and Its Application in Seawater Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32689-32697.	8.0	23
30	Redox-Active Functional Electrolyte for High-Performance Seawater Batteries. <i>ChemSusChem</i> , 2020, 13, 2220-2224.	6.8	17
31	Pyridinic-Nitrogen-Containing Carbon Cathode: Efficient Electrocatalyst for Seawater Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 1602-1608.	5.1	21
32	Sodium Biphenyl as Anolyte for Sodium-Seawater Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2001249.	14.9	24
33	Identifying the mechanism and impact of parasitic reactions occurring in carbonaceous seawater battery cathodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9185-9193.	10.3	20
34	Energy projection of the seawater battery desalination system using the reverse osmosis system analysis model. <i>Chemical Engineering Journal</i> , 2020, 395, 125082.	12.7	31
35	Seawater-Mediated Solar-to-Sodium Conversion by Bismuth Vanadate Photoanode- Photovoltaic Tandem Cell: Solar Rechargeable Seawater Battery. <i>IScience</i> , 2019, 19, 232-243.	4.1	16
36	Rechargeable Na/Ni batteries based on the Ni(OH) ₂ /NiOOH redox couple with high energy density and good cycling performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1564-1573.	10.3	40

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37	Rechargeable Seawater Batteries: Rechargeable Seawater Batteriesâ€”From Concept to Applications (Adv. Mater. 20/2019). Advanced Materials, 2019, 31, 1970141.	21.0	3
38	Emergence of rechargeable seawater batteries. Journal of Materials Chemistry A, 2019, 7, 22803-22825.	10.3	71
39	Cobalt vanadate nanoparticles as bifunctional oxygen electrocatalysts for rechargeable seawater batteries. Journal of Industrial and Engineering Chemistry, 2019, 72, 250-254.	5.8	19
40	Rechargeable Seawater Batteriesâ€”From Concept to Applications. Advanced Materials, 2019, 31, e1804936.	21.0	73
41	Hybrid seawater desalination-carbon capture using modified seawater battery system. Journal of Power Sources, 2019, 410-411, 99-105.	7.8	29
42	Nanocrevasse-Rich Carbon Fibers for Stable Lithium and Sodium Metal Anodes. Nano Letters, 2019, 19, 1504-1511.	9.1	123
43	Feasibility of using hollow double walled Mn2O3 nanocubes for hybrid Na-air battery. Chemical Engineering Journal, 2019, 360, 415-422.	12.7	31
44	Large-scale stationary energy storage: Seawater batteries with high rate and reversible performance. Energy Storage Materials, 2019, 16, 56-64.	18.0	41
45	Enhancing Capacity Performance by Utilizing the Redox Chemistry of the Electrolyte in a Dual-Electrolyte Sodium-Ion Battery. Angewandte Chemie - International Edition, 2018, 57, 5335-5339.	13.8	23
46	LiCl-LiI molten salt electrolyte with bismuth-lead positive electrode for liquid metal battery. Journal of Power Sources, 2018, 377, 87-92.	7.8	50
47	Optimized hard carbon derived from starch for rechargeable seawater batteries. Carbon, 2018, 129, 564-571.	10.3	54
48	High energy density rechargeable metal-free seawater batteries: a phosphorus/carbon composite as a promising anode material. Journal of Materials Chemistry A, 2018, 6, 3046-3054.	10.3	40
49	A New Rechargeable Seawater Desalination Battery System. Batteries and Supercaps, 2018, 1, 6-10.	4.7	25
50	Enhancing Capacity Performance by Utilizing the Redox Chemistry of the Electrolyte in a Dual-Electrolyte Sodium-Ion Battery. Angewandte Chemie, 2018, 130, 5433-5437.	2.0	9
51	Energy efficient Na-aqueous-catholyte redox flow battery. Energy Storage Materials, 2018, 12, 324-330.	18.0	23
52	Development of coin-type cell and engineering of its compartments for rechargeable seawater batteries. Journal of Power Sources, 2018, 374, 24-30.	7.8	37
53	Binary N,S-doped carbon nanospheres from bio-inspired artificial melanosomes: A route to efficient air electrodes for seawater batteries. Journal of Materials Chemistry A, 2018, 6, 24459-24467.	10.3	52
54	Reliable seawater battery anode: controlled sodium nucleation via deactivation of the current collector surface. Journal of Materials Chemistry A, 2018, 6, 19672-19680.	10.3	30

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55	Advanced perspective on the synchronized bifunctional activities of P2-type materials to implement an interconnected voltage profile for seawater batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11012-11021.	10.3	25
56	A novel rechargeable hybrid Na-seawater flow battery using bifunctional electrocatalytic carbon sponge as cathode current collector. <i>Journal of Power Sources</i> , 2018, 400, 478-484.	7.8	21
57	Binder-free hybrid Li ₄ Ti ₅ O ₁₂ anode for high performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2018, 282, 270-275.	5.2	13
58	Hybrid Na-air flow batteries using an acidic catholyte: effect of the catholyte pH on the cell performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11592-11600.	10.3	24
59	Insights into the Dual-Electrode Characteristics of Layered Na _{0.5} Ni _{0.25} Mn _{0.75} O ₂ Materials for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10618-10625.	8.0	38
60	Redox-Additive-Enhanced High Capacitance Supercapacitors Based on Co ₂ P ₂ O ₇ Nanosheets. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700059.	3.7	85
61	Nanocomposite quasi-solid-state electrolyte for high-safety lithium batteries. <i>Nano Research</i> , 2017, 10, 3092-3102.	10.4	41
62	Composite gel polymer electrolyte with ceramic particles for LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ -Li ₄ Ti ₅ O ₁₂ lithium ion batteries. <i>Electrochimica Acta</i> , 2017, 236, 394-398.	5.2	23
63	Carambola-shaped VO ₂ nanostructures: a binder-free air electrode for an aqueous Na-air battery. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2037-2044.	10.3	120
64	Progressive Assessment on the Decomposition Reaction of Na Superionic Conducting Ceramics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 304-310.	8.0	14
65	Sodium-ion hybrid electrolyte battery for sustainable energy storage applications. <i>Journal of Power Sources</i> , 2017, 341, 404-410.	7.8	49
66	Three-dimensional SnS ₂ nanopetals for hybrid sodium-air batteries. <i>Electrochimica Acta</i> , 2017, 257, 328-334.	5.2	53
67	Structural characterization of layered Na _{0.5} Co _{0.5} Mn _{0.5} O ₂ material as a promising cathode for sodium-ion batteries. <i>Journal of Power Sources</i> , 2017, 363, 442-449.	7.8	31
68	Hierarchically structured graphene-carbon nanotube-cobalt hybrid electrocatalyst for seawater battery. <i>Journal of Power Sources</i> , 2017, 372, 31-37.	7.8	25
69	Seawater battery performance enhancement enabled by a defect/edge-rich, oxygen self-doped porous carbon electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14174-14181.	10.3	66
70	Saltwater as the energy source for low-cost, safe rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7207-7213.	10.3	23
71	Electrochemical Lithium Recycling System toward Renewable and Sustainable Energy Technologies. <i>Journal of the Electrochemical Society</i> , 2016, 163, E199-E205.	2.9	21
72	Hybrid solid electrolyte with the combination of Li ₇ La ₃ Zr ₂ O ₁₂ ceramic and ionic liquid for high voltage pseudo-solid-state Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17025-17032.	10.3	77

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73	Hierarchical urchin-shaped MnO_2 on graphene-coated carbon microfibers: a binder-free electrode for rechargeable aqueous Na-air battery. <i>NPG Asia Materials</i> , 2016, 8, e294-e294.	7.9	87
74	Upcycling of nonporous coordination polymers: controllable-conversion toward porosity-tuned N-doped carbons and their electrocatalytic activity in seawater batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13468-13475.	10.3	29
75	A Metal-Organic Framework Derived Porous Cobalt Manganese Oxide Bifunctional Electrocatalyst for Hybrid Na-Air/Seawater Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32778-32787.	8.0	88
76	Na-ion storage performance of amorphous Sb_2S_3 nanoparticles: anode for Na-ion batteries and seawater flow batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17946-17951.	10.3	89
77	Ammonium Fluoride Mediated Synthesis of Anhydrous Metal Fluoride-Mesoporous Carbon Nanocomposites for High-Performance Lithium Ion Battery Cathodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35180-35190.	8.0	62
78	Effect of sol-gel process parameters on the properties of a $\text{Li}_{1.3}\text{Ti}_{1.7}\text{Al}_{0.3}(\text{PO}_4)_3$ solid electrolyte for Li-ion batteries. <i>Journal of the Korean Physical Society</i> , 2016, 68, 28-34.	0.7	4
79	Electrochemical characterization of micro-rod $\text{Na}_{0.33}\text{V}_2\text{O}_5$ for high performance lithium ion batteries. <i>Electrochimica Acta</i> , 2016, 193, 160-165.	5.2	13
80	Graphitic Nanoshell/Mesoporous Carbon Nanohybrids as Highly Efficient and Stable Bifunctional Oxygen Electrocatalysts for Rechargeable Aqueous Na-Air Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1501794.	19.5	120
81	Cloud-like graphene nanoplatelets on $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ nanorods as an efficient bifunctional electrocatalyst for hybrid Li-air batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2122-2127.	10.3	54
82	Na ion- Conducting Ceramic as Solid Electrolyte for Rechargeable Seawater Batteries. <i>Electrochimica Acta</i> , 2016, 191, 1-7.	5.2	67
83	Encapsulation of organic active materials in carbon nanotubes for application to high-electrochemical-performance sodium batteries. <i>Energy and Environmental Science</i> , 2016, 9, 1264-1269.	30.8	148
84	Electrochemical properties of a ceramic-polymer-composite-solid electrolyte for Li-ion batteries. <i>Solid State Ionics</i> , 2016, 284, 20-24.	2.7	19
85	Eco-friendly Energy Storage System: Seawater and Ionic Liquid Electrolyte. <i>ChemSusChem</i> , 2016, 9, 2-2.	6.8	1
86	Eco-friendly Energy Storage System: Seawater and Ionic Liquid Electrolyte. <i>ChemSusChem</i> , 2016, 9, 42-49.	6.8	42
87	Exploration of cobalt phosphate as a potential catalyst for rechargeable aqueous sodium-air battery. <i>Journal of Power Sources</i> , 2016, 311, 29-34.	7.8	74
88	Flexible and wearable fiber shaped high voltage supercapacitors based on copper hexacyanoferrate and porous carbon coated carbon fiber electrodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4934-4940.	10.3	61
89	Highly improved voltage efficiency of seawater battery by use of chloride ion capturing electrode. <i>Journal of Power Sources</i> , 2016, 313, 46-50.	7.8	32
90	Ceramic-Based Composite Solid Electrolyte for Lithium-Ion Batteries. <i>ChemPlusChem</i> , 2015, 80, 1100-1103.	2.8	36

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91	Commercial and research battery technologies for electrical energy storage applications. Progress in Energy and Combustion Science, 2015, 48, 84-101.	31.2	244
92	Highly porous graphitic carbon and Ni ₂ P ₂ O ₇ for a high performance aqueous hybrid supercapacitor. Journal of Materials Chemistry A, 2015, 3, 21553-21561.	10.3	153
93	Mesoporous Ge/GeO ₂ /Carbon Lithium-Ion Battery Anodes with High Capacity and High Reversibility. ACS Nano, 2015, 9, 5299-5309.	14.6	159
94	New Chemical Route for the Synthesis of $\text{Na}_{0.33}\text{V}_2\text{O}_5$ and Its Fully Reversible Li Intercalation. ACS Applied Materials & Interfaces, 2015, 7, 7025-7032.	8.0	41
95	Lithium ion dynamics in Li ₂ S+GeS ₂ +GeO ₂ glasses studied using ⁷ Li NMR field-cycling relaxometry and line-shape analysis. Solid State Nuclear Magnetic Resonance, 2015, 70, 53-62.	2.3	24
96	Rechargeable aqueous Na ⁺ air batteries: Highly improved voltage efficiency by use of catalysts. Electrochemistry Communications, 2015, 61, 53-56.	4.7	62
97	A hybrid solid electrolyte for flexible solid-state sodium batteries. Energy and Environmental Science, 2015, 8, 3589-3596.	30.8	204
98	Rechargeable Seawater Battery and Its Electrochemical Mechanism. ChemElectroChem, 2015, 2, 328-332.	3.4	85
99	Superior Ion-Conducting Hybrid Solid Electrolyte for All-Solid-State Batteries. ChemSusChem, 2015, 8, 636-641.	6.8	70
100	Reversibility of Lithium-Ion-Air Batteries Using Lithium Intercalation Compounds as Anodes. ChemPlusChem, 2015, 80, 349-353.	2.8	5
101	Improving electrochemical properties of porous iron substituted lithium manganese phosphate in additive addition electrolyte. Journal of Power Sources, 2015, 275, 106-110.	7.8	17
102	Comparative electrochemical sodium insertion/extraction behavior in layered Na _x VS ₂ and Na _x TiS ₂ . Electrochimica Acta, 2014, 143, 272-277.	5.2	32
103	Metal-free hybrid seawater fuel cell with an ether-based electrolyte. Journal of Materials Chemistry A, 2014, 2, 19584-19588.	10.3	59
104	Cathode Materials: A Novel Surface Treatment Method and New Insight into Discharge Voltage Deterioration for High-Performance 0.4Li ₂ MnO ₃ ·0.6LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ Cathode Materials (Adv. Energy Mater. 16/2014). Advanced Energy Materials, 2014, 4, .	19.5	5
105	Rechargeable-hybrid-seawater fuel cell. NPG Asia Materials, 2014, 6, e144-e144.	7.9	68
106	Nanostructured transition metal sulfides for lithium ion batteries: Progress and challenges. Nano Today, 2014, 9, 604-630.	11.9	545
107	Graphene-Co ₃ O ₄ nanocomposite as an efficient bifunctional catalyst for lithium-air batteries. Journal of Materials Chemistry A, 2014, 2, 7188-7196.	10.3	192
108	Li-Water Battery with Oxygen Dissolved in Water as a Cathode. Journal of the Electrochemical Society, 2014, 161, A285-A289.	2.9	20

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109	A Novel Surface Treatment Method and New Insight into Discharge Voltage Deterioration for High-Performance $0.4\text{Li}_{2/3}\text{MnO}_3 \cdot 0.6\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ Cathode Materials. <i>Advanced Energy Materials</i> , 2014, 4, 1400631.	19.5	196
110	Metal-Free Ketjenblack Incorporated Nitrogen-Doped Carbon Sheets Derived from Gelatin as Oxygen Reduction Catalysts. <i>Nano Letters</i> , 2014, 14, 1870-1876.	9.1	155
111	Corn protein-derived nitrogen-doped carbon materials with oxygen-rich functional groups: a highly efficient electrocatalyst for all-vanadium redox flow batteries. <i>Energy and Environmental Science</i> , 2014, 7, 3727-3735.	30.8	218
112	Sodium-Metal Halide and Sodium-Air Batteries. <i>ChemPhysChem</i> , 2014, 15, 1971-1982.	2.1	85
113	A New High Power $\text{LiNi}_{0.81}\text{Co}_{0.1}\text{Al}_{0.09}\text{O}_2$ Cathode Material for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2014, 4, 1301583.	19.5	153
114	Block Copolymer Directed Ordered Mesostructured TiNb_2O_7 Multimetallic Oxide Constructed of Nanocrystals as High Power Li-Ion Battery Anodes. <i>Chemistry of Materials</i> , 2014, 26, 3508-3514.	6.7	154
115	A new chemical route for the synthesis of $\text{Li}_2\text{V}_2\text{O}_5$ for use as a high performance cathode. <i>Electrochimica Acta</i> , 2013, 105, 403-411.	5.2	12
116	Using waste Li ion batteries as cathodes in rechargeable Li-liquid batteries. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7036.	2.8	9
117	Inorganic solid/organic liquid hybrid electrolyte for use in Li-ion battery. <i>Electrochimica Acta</i> , 2012, 79, 8-16.	5.2	50
118	Lithium-liquid battery: harvesting lithium from waste Li-ion batteries and discharging with water. <i>RSC Advances</i> , 2012, 2, 6094.	3.6	19
119	Perovskite $\text{Sr}_{0.95}\text{Ce}_{0.05}\text{CoO}_3$ loaded with copper nanoparticles as a bifunctional catalyst for lithium-air batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 18902.	6.7	131
120	Aqueous Cathode for Next-Generation Alkali-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2011, 133, 5756-5759.	13.7	253
121	Challenges for Rechargeable Li Batteries. <i>Chemistry of Materials</i> , 2010, 22, 587-603.	6.7	8,933
122	Reinvestigation of $\text{Li}_{1-x}\text{Ti}_y\text{V}_{1-y}\text{S}_2$ Electrodes in Suitable Electrolyte: Highly Improved Electrochemical Properties. <i>Electrochemical and Solid-State Letters</i> , 2009, 12, A73.	2.2	15
123	Access to $\text{M}^{3+}/\text{M}^{2+}$ Redox Couples in Layered LiMS_2 Sulfides ($\text{M}=\text{Ti}, \text{V}, \text{Cr}$) as Anodes for Li-Ion Battery. <i>Journal of the Electrochemical Society</i> , 2009, 156, A703.	2.9	46
124	Lithium Insertion into Transition-Metal Monosulfides: Tuning the Position of the Metal 4s Band. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15060-15064.	3.1	120
125	Technologies of lithium recycling from waste lithium ion batteries: a review. <i>Materials Advances</i> , 0, , .	5.4	140
126	Monolithic Solar Seawater Battery: Seawater-Mediated Solar-to-Sodium Conversion with 8.0 % Efficiency by Bismuth Vanadate Photoanode - Photovoltaic Tandem Cell. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0