RESEARCH & PUBLICATIONS

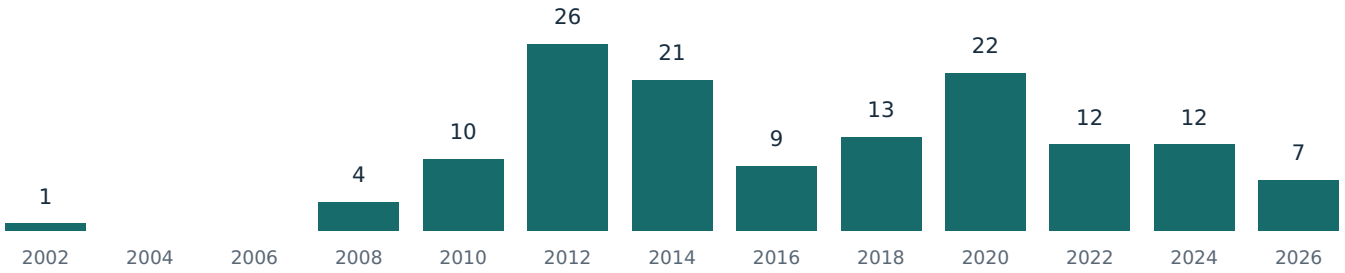
Kyu Tae Lee

A publication record at a glance

137	23,965	58
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 2-year periods



MOST CITED IN THIS LIST

A Highly Ordered Nanostructured Carbon–Sulphur Cathode for Lithium–Sulphur Batteries — 6,099
2009 Nature Materials

Metal–Air Batteries With High Energy Density: Li–Air Versus Zn–Air — 2,218
2011 Advanced Energy Materials

Positive Electrode Materials for Li-Ion and Li-Batteries — 1,701
2010 Chemistry of Materials

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Ordered by publication year, newest first

2026

01 Influence of Al2(SO4)3 Electrolyte Additive on Cell Potential and Reaction Mechanism in Aqueous Acidic Zn–MnO2 Batteries

Batteries and Supercaps · 9, 2500238

https://exaly.com/article/202737940

0 citations

02 Mechano-Electrochemical and Structural Insights Into Composition-Driven Behavior of LiNi1-x-yCoxMnyO2 (0.3

Advanced Functional Materials · 36, e17263

https://exaly.com/article/204048452

8 citations

03 The Heterogeneous Charge Transfer Mechanism in Lithium Metal Batteries: Revealing Abnormal Lithiophilicity Through the Marcus Theory

Journal of the American Chemical Society · 148, 2930-2941

https://exaly.com/article/209913130

3 citations

04 Electro-Chemo-Mechanical Coupling in Composite Cathodes of Sulfide-Based All-Solid-State Batteries: Pathways, Degradation, and Design Rules.

Advanced Science · 13, e24187

https://exaly.com/article/210477114

7 citations

05 Zn-Anode Interphase Regulation by Electrolyte Additives in Aqueous Two-Electron Zn–I2 Batteries

Journal of Materials Chemistry A · 14, 27590-27600

https://exaly.com/article/214357242

1 citations

06 Internal Redox Mediation Governs Charge–Discharge Kinetic Asymmetry in Microscale Li- and Mn-Rich Layered Oxides for All-Solid-State Batteries

Small

https://exaly.com/article/217865027

0 citations

07 Interhalogen Complexation Suppresses Hydrolysis-Corrosion Cross-Talk Degradation in Aqueous Two-Electron Zn-I2 Batteries.

Small

https://exaly.com/article/218144854

0 citations

2025

08 Edge-Plane-Selective Formation of Mn Vacancies in β-Na0.7MnO2+y for Air-Stable Cathode Materials in Sodium-Ion Batteries

Journal unavailable · 7, 1003-1011

https://exaly.com/article/197783466

3 citations

Ordered by publication year, newest first

2024

09 Role of Zinc Hydroxysulfates in the Thermodynamics and Kinetics of Mild-Acid Zn-MnO2 Batteries
18 citations
Energy Storage Materials · 65, 103150
https://exaly.com/article/174125587

10 Analysis of Side Heavy Edge Reduction of Battery Electrode Using High Speed Blade Coating Process
14 citations
Journal of Power Sources · 598, 234135
https://exaly.com/article/176388770

11 Revealing the Nanoscopic Corrosive Degradation Mechanism of Nickel-Rich Layered Oxide Cathodes at Low State-of-Charge Levels: Corrosion Cracking and Pitting
25 citations
ACS Nano · 18, 10566-10581
https://exaly.com/article/177811166

12 Critical Factors Contributing to the Thermal Runaway of Thiophosphate Solid Electrolytes for All-Solid-State Batteries
27 citations
Advanced Functional Materials · 34, 2404806
https://exaly.com/article/185083229

13 Interfacial Degradation Mechanism of Nanostructured LiCoO2 for Li6PS5Cl-Based All-Solid-State Batteries
22 citations
Chemistry of Materials · 36, 5215-5227
https://exaly.com/article/185257045

14 Additive-Free Gelation of Graphene Oxide Dispersions via Mild Thermal Annealing: Implications for 3D Printing and Supercapacitor Applications
19 citations
Advanced Materials · 36, 2411479
https://exaly.com/article/193161114

15 Active–Inactive Molten Salt Synthesis of Li- and Mn-Rich Layered Oxide Single Crystals as Cathode Materials for All-Solid-State Batteries
9 citations
Chemistry of Materials · 36, 9666-9676
https://exaly.com/article/193231469

16 Mechano-Electrochemical Behavior of Nanostructured Li- and Mn-Rich Layered Oxides With Superior Capacity Retention and Voltage Decay for Sulfide-Based All-Solid-State Batteries
16 citations
Advanced Energy Materials · 14, 2403374
https://exaly.com/article/193286746

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2024 / continued

17 Synthesis of Monodisperse and Discrete Ultra-High Nickel LiNi0.97Co0.02Mn0.01O2 Octahedral Single Crystals via Single Crystal Intermediates for Li-Ion Batteries

ACS Applied Materials & Interfaces · 16, 60298-60309

https://exaly.com/article/194161434

8 citations

18 Enhancing the Interfacial Stability of Li6PS5Cl Through Adsorption of Trimethylsilyl Compound-Based Solid Electrolyte Additives

ECS Meeting Abstracts · MA2024-02, 4461

https://exaly.com/article/195879401

0 citations

19 Molten Salt Synthesis and Growth Mechanism of Single Crystal Ni-Rich Layered Oxides as Cathode Materials

ECS Meeting Abstracts · MA2024-02, 4412

https://exaly.com/article/195881666

0 citations

2023

20 The Role of Vanadium Complexes With Glyme Ligands in Suppressing Vanadium Crossover for Vanadium Redox Flow Batteries

Journal of Electrochemical Science and Technology · 14, 152-161

https://exaly.com/article/159205472

2 citations

21 Contrasting Miscibility of Ionic Liquid Membranes for Nearly Perfect Proton Selectivity in Aqueous Redox Flow Batteries

Advanced Functional Materials · 33, 2306633

https://exaly.com/article/168360100

15 citations

22 Operando Spatial Pressure Mapping Analysis for Prototype Lithium Metal Pouch Cells Under Practical Conditions

Advanced Science · 10, 2304979

https://exaly.com/article/168415119

18 citations

23 Fast Charging Lithium Metal Batteries With Liquid and Solid-State Electrolytes

Batteries and Supercaps · 6, e202300344

https://exaly.com/article/170666815

14 citations

24 Trimethylsilyl Compounds for the Interfacial Stabilization of Thiophosphate-Based Solid Electrolytes in All-Solid-State Batteries

Advanced Science · 10, 2303308

https://exaly.com/article/170829383

26 citations

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2022

25 The Roles of Nucleation and Growth Kinetics in Determining Li Metal Morphology for Li Metal Batteries: Columnar Versus Spherical Growth
39 citations
Journal of Materials Chemistry A · 10, 5520-5529
https://exaly.com/article/125266990

26 Highly Selective Porous Separator With Thin Skin Layer for Alkaline Water Electrolysis
98 citations
Journal of Power Sources · 524, 231059
https://exaly.com/article/125559860

27 Reinforcement of Binder Adhesion for Nickel-Rich Layered Oxide in Lithium-Ion Batteries Using Perfluorinated Molecular Surface Modification
16 citations
Chemical Engineering Journal · 448, 137654
https://exaly.com/article/148623816

28 Correlation Between the Cation Disorders of Fe3+ and Li+ in P3-Type Na0.67[Li0.1(Fe0.5Mn0.5)0.9]O2 for Sodium Ion Batteries
24 citations
ACS Applied Materials & Interfaces · 14, 33120-33129
https://exaly.com/article/148961799

29 Designing Fluorine-Free Electrolytes for Stable Sodium Metal Anodes and High-Power Seawater Batteries via SEI Reconstruction
85 citations
Energy and Environmental Science · 15, 4109-4118
https://exaly.com/article/154207392

30 Correlation Between Redox Potential and Solvation Structure in Biphasic Electrolytes for Li Metal Batteries
15 citations
Advanced Science · 9, 2203443
https://exaly.com/article/155707633

31 Thermal Runaway Behavior of Li6PS5Cl Solid Electrolytes for LiNi0.8Co0.1Mn0.1O2 and LiFePO4 in All-Solid-State Batteries
115 citations
Chemistry of Materials · 34, 9159-9171
https://exaly.com/article/155877916

2021

32 Poly(Ethylene-Co-Vinyl Acetate)/Polyimide/Poly(Ethylene-Co-Vinyl Acetate) Tri-Layer Porous Separator With High Conductivity and Tailored Thermal Shutdown Function for Application in Sodium-Ion Batteries
33 citations
Journal of Power Sources · 482, 228907
https://exaly.com/article/77794154

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2021 / continued

33 Direct Observation of the In-Plane Crack Formation of O3-Na0.8Mg0.2Fe0.4Mn0.4O2 Due to Oxygen Gas Evolution for Na-Ion Batteries
53 citations
Journal of Materials Chemistry A · 9, 14074-14084
https://exaly.com/article/78614154

34 Failure Mode of Thick Cathodes for Li-Ion Batteries: Variation of State-of-Charge Along the Electrode Thickness Direction
70 citations
Electrochimica Acta · 370, 137743
https://exaly.com/article/79146048

35 Direct Proof of the Reversible Dissolution/Deposition of Mn2+/Mn4+ for Mild-Acid Zn-MnO2 Batteries With Porous Carbon Interlayers
145 citations
Advanced Science · 8, 2003714
https://exaly.com/article/79256601

36 Mass-Scalable Molecular Monolayer for Ni-Rich Cathode Powder: Solution for Microcrack Failure in Lithium-Ion Batteries
28 citations
ACS Applied Materials & Interfaces · 13, 22475-22484
https://exaly.com/article/80433072

37 Cross-Linked Composite Gel Polymer Electrolyte Based on an H-Shaped Poly(Ethylene Oxide)–Poly(Propylene Oxide) Tetrablock Copolymer With SiO2 Nanoparticles for Solid-State Supercapacitor Applications
22 citations
ACS Omega · 6, 16924-16933
https://exaly.com/article/80770375

38 Nonpolar Solvent-Based Electrolytes With a Quasi-Solid-State Redox Reaction for Lithium-Sulfur Batteries
3 citations
ChemElectroChem · 8, 2321-2328
https://exaly.com/article/80830749

39 Three-Dimensional Porous Frameworks for Li Metal Batteries: Superconformal Versus Conformal Li Growth
33 citations
ACS Applied Materials & Interfaces · 13, 33056-33065
https://exaly.com/article/81257668

40 Complex Growth Behavior of Li Dendrites in Al2O3 Nanoparticles-Driven Viscoelastic Electrolytes for Lithium Metal Batteries: Dynamic Versus Quasistatic Rheology
7 citations
Advanced Materials Interfaces · 8, 2100687
https://exaly.com/article/81368354

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2021 / continued

41 **Shuttle-Effect-Free Sodium–Sulfur Batteries Derived From a Tröger's Base Polymer of Intrinsic Microporosity** — 8 citations

Journal of Power Sources · 513, 230539

https://exaly.com/article/82503423

42 **Janus Behaviour of LiFSI- and LiPF6-Based Electrolytes for Li Metal Batteries: Chemical Corrosion Versus Galvanic Corrosion** — 35 citations

Journal of Materials Chemistry A · 9, 24993-25003

https://exaly.com/article/90876435

43 **Residual Li Compounds-Selective Washing Process for Ni-Rich Layered Oxide Cathode Materials for Li-Ion Batteries** — 22 citations

Journal of the Electrochemical Society · 168, 100529

https://exaly.com/article/91206524

44 **Gravity-Based Oil Spill Remediation Using Reduced Graphene Oxide/LDPE Sheet for Both Light and Heavy Oils** — 7 citations

Chemical Engineering Research and Design · 156, 617-624

https://exaly.com/article/118446358

45 **Potential-Dependent Passivation of Zinc Metal in a Sulfate-Based Aqueous Electrolyte** — 22 citations

Langmuir · 37, 13218-13224

https://exaly.com/article/120793946

2020

46 **Plane-Selective Coating of Li2SnO3 on Li[NixCo1−x]O2 for High Power Li Ion Batteries** — 9 citations

Journal of Physical Chemistry Letters · 11, 7096-7102

https://exaly.com/article/75927529

47 **Electrochemically Active Red P/BaTiO3-Based Protective Layers Suppressing Li Dendrite Growth for Li Metal Batteries** — 18 citations

Advanced Materials Interfaces · 7, 2001037

https://exaly.com/article/76200449

48 **Indene-C60 Bisadduct Electron-Transporting Material With the High LUMO Level Enhances Open-Circuit Voltage and Efficiency of Tin-Based Perovskite Solar Cells** — 31 citations

ACS Applied Energy Materials · 3, 5581-5588

https://exaly.com/article/76625008

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2020 / continued

49 **Highly Elastic Binder for Improved Cyclability of Nickel-Rich Layered Cathode Materials in Lithium-Ion Batteries**
131 citations
Advanced Energy Materials · 10, 2001069
https://exaly.com/article/76891878

50 **Electrochemically Generated KO2 as a Phase-Transfer Mediator for Na–O2 Batteries**
5 citations
Journal of Physical Chemistry C · 124, 7644-7651
https://exaly.com/article/76978626

51 **PIM-1-Based Carbon–Sulfur Composites for Sodium–Sulfur Batteries That Operate Without the Shuttle Effect**
42 citations
Journal of Materials Chemistry A · 8, 3580-3585
https://exaly.com/article/77374819

52 **Triclinic Na_(3.12)Co_(2.44)(P2O7)2 as a High Redox Potential Cathode Material for Na-Ion Batteries**
5 citations
Journal of Electrochemical Science and Technology · 11, 187-194
https://exaly.com/article/89026139

53 **(Invited) Reaction and Failure Mechanisms of Layered Na1-XMO2 (M = Mn, Fe, Ni, and Their Solid Solutions) as Cathode Materials for Sodium Ion Batteries**
0 citations
ECS Meeting Abstracts · MA2020-02, 39
https://exaly.com/article/124618452

2019

54 **Hydrophobic Ni-Rich Layered Oxides as Cathode Materials for Lithium-Ion Batteries**
68 citations
ACS Applied Energy Materials · 2, 6246-6253
https://exaly.com/article/71949995

55 **Asymmetric Behaviour of Li/Li Symmetric Cells for Li Metal Batteries**
58 citations
Chemical Communications · 55, 9637-9640
https://exaly.com/article/72038217

56 **In Situ Electrochemical Zn2+-Doping for Mn-Rich Layered Oxides in Li-Ion Batteries**
16 citations
ACS Applied Energy Materials · 2, 3427-3434
https://exaly.com/article/73282699

57 **In Situ Electrochemical Surface Modification for High-Voltage LiCoO2 in Lithium Ion Batteries**
35 citations
Journal of Power Sources · 426, 162-168
https://exaly.com/article/73338432

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58 Synthesis of Nanostructured P2-Na2/3MnO2 for High Performance Sodium-Ion Batteries
16 citations
Chemical Communications · 55, 4757-4760
https://exaly.com/article/73434389

59 Scalable Solid-State Synthesis of Self-Assembled Si Nanoparticles in Spherical Carbons Through Relative Miscibility for Li-Ion Batteries
1 citations
Journal of the Electrochemical Society · 166, A1127
https://exaly.com/article/73648827

2018

60 Role of Na+ in the Cation Disorder of [Li1-xNax]NiO2 as a Cathode for Lithium-Ion Batteries
32 citations
Journal of the Electrochemical Society · 165, A201
https://exaly.com/article/69077886

61 Site-Selective in Situ Electrochemical Doping for Mn-Rich Layered Oxide Cathode Materials in Lithium-Ion Batteries
96 citations
Advanced Energy Materials · 8, 1702514
https://exaly.com/article/69173269

62 Environmentally Sustainable Aluminum-Coordinated Poly(Tetrahydroxybenzoquinone) as a Promising Cathode for Sodium Ion Batteries
48 citations
ACS Applied Materials & Interfaces · 10, 3479-3486
https://exaly.com/article/69229824

63 Cointercalation of Mg2+ Ions Into Graphite for Magnesium-Ion Batteries
111 citations
Chemistry of Materials · 30, 3199-3203
https://exaly.com/article/69317158

64 Two-Dimensional Phosphorene-Derived Protective Layers on a Lithium Metal Anode for Lithium-Oxygen Batteries
130 citations
ACS Nano · 12, 4419-4430
https://exaly.com/article/69317253

65 Thermal Behavior of Ni-Rich Layered Oxide Cathode Materials During Cycling of 20 Ah-Scale Li-Ion Batteries
5 citations
Journal of the Electrochemical Society · 165, A3837
https://exaly.com/article/70609914

66 Coordination Polymers for High-Capacity Li-Ion Batteries: Metal-Dependent Solid-State Reversibility
35 citations
ACS Applied Materials & Interfaces · 10, 22110-22118
https://exaly.com/article/71776613

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2017

67 **Ultraconcentrated Sodium Bis(Fluorosulfonyl)Imide-Based Electrolytes for High-Performance Sodium Metal Batteries**
272 citations
ACS Applied Materials & Interfaces · 9, 3723-3732
https://exaly.com/article/65945786

68 **P2 Orthorhombic Na0.7[Mn1−xLix]O2+y as Cathode Materials for Na-Ion Batteries**
63 citations
ACS Applied Materials & Interfaces · 9, 14758-14768
https://exaly.com/article/66189124

69 **Investigation Into the Stability of Li Metal Anodes in Li–O2 Batteries With a Redox Mediator**
71 citations
Journal of Materials Chemistry A · 5, 10609-10621
https://exaly.com/article/66338563

70 **Recent Approaches to Improving Lithium Metal Electrodes**
11 citations
Current Opinion in Electrochemistry · 6, 70-76
https://exaly.com/article/66924251

71 **Egg-Shell Structured LiCoO2 by Cu2+ Substitution to Li+ Sites via Facile Stirring in an Aqueous Copper(II) Nitrate Solution**
40 citations
Journal of Materials Chemistry A · 5, 24892-24900
https://exaly.com/article/67453355

72 **Tris(Pentafluorophenyl)Silane as a Solid Electrolyte Interphase (SEI)-Forming Agent for Graphite Electrodes**
3 citations
Journal of the Electrochemical Society · 164, A1887
https://exaly.com/article/67540059

73 **Lithium-Oxygen Battery With a Phosphorene-Derived Protective Layer on a Lithium Anode**
0 citations
ECS Meeting Abstracts · MA2017-01, 482
https://exaly.com/article/110633400

2016

74 **Batteries: Converting to Long Stability**
21 citations
Nature Energy · 1, 1-2
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75 **Co-Intercalation of Mg2+ and Na+ in Na0.69Fe2(CN)6 as a High-Voltage Cathode for Magnesium Batteries**
74 citations
ACS Applied Materials & Interfaces · 8, 8554-60
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2015

76 **Next Generation Batteries: Systems and Materials** — 0 citations
Israel Journal of Chemistry · 55, 456-457
https://exaly.com/article/60250215

77 **Mechanistic Studies of Transition Metal-Terephthalate Coordination Complexes Upon Electrochemical Lithiation and Delithiation** — 68 citations
Advanced Functional Materials · 25, 4859-4866
https://exaly.com/article/60740254

78 **Structural Effect on Electrochemical Performance of Ordered Porous Carbon Electrodes for Na-Ion Batteries** — 74 citations
ACS Applied Materials & Interfaces · 7, 11748-54
https://exaly.com/article/61186820

79 **Room Temperature Ionic Liquid-Based Electrolytes as an Alternative to Carbonate-Based Electrolytes** — 52 citations
Israel Journal of Chemistry · 55, 586-598
https://exaly.com/article/61240726

80 **Wrapping SnO2 With Porosity-Tuned Graphene as a Strategy for High-Rate Performance in Lithium Battery Anodes** — 53 citations
Carbon · 85, 289-298
https://exaly.com/article/61675254

81 **Interfacial Architectures Based on a Binary Additive Combination for High-Performance Sn4P3 Anodes in Sodium-Ion Batteries** — 93 citations
Journal of Materials Chemistry A · 3, 8332-8338
https://exaly.com/article/61844223

82 **Tunable and Robust Phosphite-Derived Surface Film to Protect Lithium-Rich Cathodes in Lithium-Ion Batteries** — 146 citations
ACS Applied Materials & Interfaces · 7, 8319-29
https://exaly.com/article/62382511

83 **SnSe Alloy as a Promising Anode Material for Na-Ion Batteries** — 141 citations
Chemical Communications · 51, 50-53
https://exaly.com/article/62884605

2014

84 **Cyclic Carbonate Based-Electrolytes Enhancing the Electrochemical Performance of Na4Fe3(PO4)2(P2O7) Cathodes for Sodium-Ion Batteries** — 90 citations
Electrochemistry Communications · 44, 74-77
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85 **Abnormal Excess Capacity of Conjugated Dicarboxylates in Lithium-Ion Batteries**
ACS Applied Materials & Interfaces · 6, 19118-26
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83 citations

86 **Inhibiting the Shuttle Effect in Lithium–Sulfur Batteries Using a Layer-by-Layer Assembled Ion-Permselective Separator**
RSC Advances · 4, 46940-46946
https://exaly.com/article/59116180
74 citations

87 **Tin Phosphide as a Promising Anode Material for Na-Ion Batteries**
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381 citations

88 **4,4'-Biphenyldicarboxylate Sodium Coordination Compounds as Anodes for Na-Ion Batteries**
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https://exaly.com/article/59199480
105 citations

89 **High-Capacity Anode Materials for Sodium-Ion Batteries**
Chemistry - A European Journal · 20, 11980-11992
https://exaly.com/article/59280697
577 citations

90 **Thermal Reactions of Lithiated and Delithiated Sulfur Electrodes in Lithium-Sulfur Batteries**
ECS Electrochemistry Letters · 3, A26
https://exaly.com/article/59356793
11 citations

91 **Sodium–Metal Halide and Sodium–Air Batteries**
ChemPhysChem · 15, 1971-1982
https://exaly.com/article/59530966
97 citations

92 **Magnesium(II) Bis(Trifluoromethane Sulfonyl) Imide-Based Electrolytes With Wide Electrochemical Windows for Rechargeable Magnesium Batteries**
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486 citations

93 **A Multifunctional Phosphite-Containing Electrolyte for 5 V-Class $LiNi_{0.5}Mn_{1.5}O_4$ Cathodes With Superior Electrochemical Performance**
Journal of Materials Chemistry A · 2, 9506-9513
https://exaly.com/article/59759157
221 citations

94 **Synthesis of Ordered Mesoporous Phenanthrenequinone-Carbon via π-π Interaction-Dependent Vapor Pressure for Rechargeable Batteries**
Scientific Reports · 4, 1-7
https://exaly.com/article/62786765
52 citations

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95 Structural Effect on Electrochemical Performance of 4,4'-Biphenyldicarboxylate Soduim Salts as an Anode for Na-Ion Batteries
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ECS Meeting Abstracts · MA2014-04, 350
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96 Phosphorus-Based Negative Electrode Materials for Na-Ion Batteries
0 citations
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https://exaly.com/article/101884300

2013

97 Tris(Pentafluorophenyl) Borane-Containing Electrolytes for Electrochemical Reversibility of Lithium Peroxide-Based Electrodes in Lithium–Oxygen Batteries
25 citations
Journal of Power Sources · 225, 95-100
https://exaly.com/article/55423055

98 Roles of Surface Chemistry on Safety and Electrochemistry in Lithium Ion Batteries
278 citations
Accounts of Chemical Research · 46, 1161-70
https://exaly.com/article/55890904

99 One-Pot Synthesis of Tin-Embedded Carbon/Silica Nanocomposites for Anode Materials in Lithium-Ion Batteries
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100 $Na_{4-\alpha}M_{2+\alpha/2}(P_2O_7)_2$ ($2/3 \leq \alpha \leq 7/8$, M = Fe, $Fe_{0.5}Mn_{0.5}$, Mn): A Promising Sodium Ion Cathode for Na-Ion Batteries
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101 A Photo-Cross-Linkable Polymeric Binder for Silicon Anodes in Lithium Ion Batteries
62 citations
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102 An Amorphous Red Phosphorus/Carbon Composite as a Promising Anode Material for Sodium Ion Batteries
838 citations
Advanced Materials · 25, 3045-3049
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103 Charge Carriers in Rechargeable Batteries: Na Ions vs. Li Ions
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Energy and Environmental Science · 6, 2067-2081
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2013 / continued

104 Si-Encapsulating Hollow Carbon Electrodes via Electroless Etching for Lithium-Ion Batteries
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105 Ion-Exchangeable Functional Binders and Separator for High Temperature Performance of Li1.1Mn1.86Mg0.04O4 Spinel Electrodes in Lithium Ion Batteries
23 citations
Journal of the Electrochemical Society · 160, A2234
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106 Raman Spectroscopic and X-Ray Diffraction Studies of Sulfur Composite Electrodes During Discharge and Charge
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107 Trigonal Na4Ti5O12 Phase as an Intercalation Host for Rechargeable Batteries
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108 Versatile Double Hydrophilic Block Copolymer: Dual Role as Synthetic Nanoreactor and Ionic and Electronic Conduction Layer for Ruthenium Oxide Nanoparticle Supercapacitors
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109 Degradation of Spinel Lithium Manganese Oxides by Low Oxidation Durability of LiPF6-Based Electrolyte at 60 °C
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Solid State Ionics · 219, 41-48
https://exaly.com/article/53543013

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Advanced Energy Materials · 2, 1490-1496
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111 A Highly Cross-Linked Polymeric Binder for High-Performance Silicon Negative Electrodes in Lithium Ion Batteries
139 citations
Angewandte Chemie · 124, 8892-8897
https://exaly.com/article/53677113

112 Carbon-Coated Single-Crystal LiMn2O4 Nanoparticle Clusters as Cathode Material for High-Energy and High-Power Lithium-Ion Batteries
53 citations
Angewandte Chemie · 124, 8878-8882
https://exaly.com/article/53677185

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2012 / continued

113 Sodium Terephthalate as an Organic Anode Material for Sodium Ion Batteries
509 citations
Advanced Materials · 24, 3562-3567
https://exaly.com/article/54355150

114 Spherical Ordered Mesoporous Carbon Nanoparticles With High Porosity for Lithium–Sulfur Batteries
163 citations
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