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List of Publications by Year
in descending order

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58 papers	1,966 citations	304743 22 h-index	265206 42 g-index
58 all docs	58 docs citations	58 times ranked	1514 citing authors

#	Article	IF	Citations
1	Expanded biomass-derived hard carbon with ultra-stable performance in sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 1513-1522.	10.3	198
2	Use of glucose as reductant to recover Co from spent lithium ions batteries. Waste Management, 2017, 64, 214-218.	7.4	151
3	Honeycomb-like Hard Carbon Derived from Pine Pollen as High-Performance Anode Material for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 42796-42803.	8.0	129
4	Use of electrochemical cathode-reduction method for leaching of cobalt from spent lithium-ion batteries. Journal of Cleaner Production, 2018, 180, 64-70.	9.3	117
5	Recycling of LiCoO2 cathode material from spent lithium ion batteries by ultrasonic enhanced leaching and one-step regeneration. Journal of Environmental Management, 2021, 277, 111426.	7.8	110
6	Recycling of cathode material from spent lithium ion batteries using an ultrasound-assisted DL-malic acid leaching system. Waste Management, 2020, 103, 52-60.	7.4	96
7	A combined process for cobalt recovering and cathode material regeneration from spent LiCoO2 batteries: Process optimization and kinetics aspects. Waste Management, 2018, 71, 372-380.	7.4	89
8	Advanced Electrolyte Design for Highâ€Energyâ€Density Liâ€Metal Batteries under Practical Conditions. Angewandte Chemie - International Edition, 2021, 60, 25624-25638.	13.8	81
9	Direct Regeneration of LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ Cathode from Spent Lithium-Ion Batteries by the Molten Salts Method. ACS Sustainable Chemistry and Engineering, 2020, 8, 18138-18147.	6.7	69
10	Elucidating electrochemical intercalation mechanisms of biomassâ€derived hard carbon in sodiumâ€/potassiumâ€ion batteries. , 2021, 3, 541-553.		64
11	A Hierarchical Energy Management Strategy for Power-Split Plug-in Hybrid Electric Vehicles Considering Velocity Prediction. IEEE Access, 2018, 6, 33261-33274.	4.2	60
12	Design of ultralong-life Liâ€“CO₂ batteries with IrO₂ nanoparticles highly dispersed on nitrogen-doped carbon nanotubes. Journal of Materials Chemistry A, 2020, 8, 3763-3770.	10.3	58
13	Effective and environmentally friendly recycling process designed for LiCoO2 cathode powders of spent Li-ion batteries using mixture of mild organic acids. Waste Management, 2018, 78, 51-57.	7.4	55
14	A novel strategy for realizing high nitrogen doping in Fe₃C-embedded nitrogen and phosphorus-co-doped porous carbon nanowires: efficient oxygen reduction reaction catalysis in acidic electrolytes. Journal of Materials Chemistry A, 2019, 7, 17923-17936.	10.3	47
15	Direct regeneration of spent LiFePO4 cathode materials with pre-oxidation and V-doping. Journal of Alloys and Compounds, 2021, 860, 157909.	5.5	46
16	Enhanced electrokinetic remediation of lead- and cadmium-contaminated paddy soil by composite electrolyte of sodium chloride and citric acid. Journal of Soils and Sediments, 2018, 18, 1915-1924.	3.0	40
17	Combustion combined with ball milling to produce nanoscale La2O3 coated on LiMn2O4 for optimized Li-ion storage performance at high temperature. Journal of Applied Electrochemistry, 2018, 48, 135-145.	2.9	33
18	Advanced Electrolyte Design for Highâ€Energyâ€Density Liâ€Metal Batteries under Practical Conditions. Angewandte Chemie, 2021, 133, 25828-25842.	2.0	31

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19	Leaching kinetics and interface reaction of LiNi0.6Co0.2Mn0.2O2 materials from spent LIBs using GKB as reductant. Journal of Environmental Management, 2021, 300, 113710.	7.8	31
20	Recovery of valuable metals from mixed spent lithium-ion batteries by multi-step directional precipitation. RSC Advances, 2021, 11, 268-277.	3.6	24
21	Tiny Ni Nanoparticles Embedded in Boron- and Nitrogen-Codoped Porous Carbon Nanowires for High-Efficiency Water Splitting. ACS Applied Materials & Interfaces, 2022, 14, 24447-24461.	8.0	24
22	Ce-doped LiNi1/3Co(1/3â^’x/3)Mn1/3Ce x/3O2 cathode materials for use in lithium ion batteries. Science Bulletin, 2012, 57, 4181-4187.	1.7	23
23	Recycling of spent LiCoO2 materials by electrolytic leaching of cathode electrode plate. Journal of Environmental Chemical Engineering, 2021, 9, 104789.	6.7	23
24	Dual-Function Regeneration of Waste Lithium Cobalt Oxide for Stable High Voltage Cycle Performance. ACS Sustainable Chemistry and Engineering, 2021, 9, 11194-11203.	6.7	23
25	The auto-oxidative relithiation of spent cathode materials at low temperature environment for efficient and sustainable regeneration. Journal of Hazardous Materials, 2022, 432, 128664.	12.4	23
26	Restoring Surface Defect Crystal of Li-Lacking LiNi_{0.6}Co_{0.2}Mn_{0.2}O₂ Material Particles toward More Efficient Recycling of Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 16997-17006.	6.7	23
27	Manganese Oxide/Iron Carbide Encapsulated in Nitrogen and Boron Codoped Carbon Nanowire Networks as Accelerated Alkaline Hydrogen Evolution and Oxygen Reduction Bifunctional Electrocatalysts. ACS Applied Materials & Interfaces, 2022, 14, 13280-13294.	8.0	22
28	TiO2â€“MoS2 hybrid nano composites with 3D network architecture as binder-free flexible electrodes for lithium ion batteries. Journal of Materials Science: Materials in Electronics, 2017, 28, 9519-9527.	2.2	21
29	Collaborative Regeneration of Structural Evolution for High-Performance of LiCoO₂ Materials from Spent Lithium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 12677-12687.	5.1	19
30	Efficient Oxidation Approach for Selective Recovery of Lithium from Cathode Materials of Spent LiFePO4 Batteries. Jom, 2022, 74, 1934-1944.	1.9	17
31	Surface Growth and Intergranular Separation of Polycrystalline Particles for Regeneration of Stable Single-Crystal Cathode Materials. ACS Applied Materials & Interfaces, 2022, 14, 29886-29895.	8.0	17
32	Synthesis of Spherical Al-Doping LiMn2O4 via a High-Pressure Spray-Drying Method as Cathode Materials for Lithium-Ion Batteries. Jom, 2019, 71, 608-612.	1.9	16
33	CeVO4-coated LiNi0.6Co0.2Mn0.2O2 as positive material: towards the excellent electrochemical performance at normal and high temperature. Journal of Materials Science: Materials in Electronics, 2018, 29, 15869-15877.	2.2	15
34	Engineering a Robust Interface on Ni-Rich Cathodes via a Novel Dry Doping Process toward Advanced High-Voltage Performance. ACS Applied Materials & Interfaces, 2021, 13, 45068-45076.	8.0	15
35	Toward High Voltage Performance of LiCoO₂ Cathode Materials Directly Regenerated with a Bulk and Surface Synergistic Approach from Spent Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2022, 10, 6853-6862.	6.7	15
36	A Combined Method of Leaching and Co-Precipitation for Recycling Spent Lini0.6Co0.2Mn0.2O2 Cathode Materials: Process Optimization and Performance Aspects. Jom, 2020, 72, 3843-3852.	1.9	14

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37	Controllable Fabrication and Li Storage Kinetics of 1â€‰D Spinel LiMn₂O₄ Positive Materials for Liâ€ion Batteries: Anâ€‰Exploration of Critical Diameter. ChemSusChem, 2020, 13, 803-810.	6.8	10
38	Multiscale Investigation into Chemically Stable NASICON Solid Electrolyte in Acidic Solutions. ACS Applied Materials & Interfaces, 2021, 13, 33262-33271.	8.0	10
39	Enhanced methanol oxidation activity of Au@Pd nanoparticles supported on MWCNTs functionalized by MB under ultraviolet irradiation. Rare Metals, 2015, 34, 12-16.	7.1	9
40	Enhanced High-Voltage Cycling Stability of Nickel-Rich Cathode Materials by Surface Modification Using LaFeO3 Ionic Conductor. Jom, 2019, 71, 1975-1980.	1.9	9
41	Enhance the electrochemical performance of Li4Ti5O12 with Co doping via a facile mechanical activation strategy. Journal of Materials Science: Materials in Electronics, 2019, 30, 5866-5873.	2.2	9
42	Effect of pore structures on the electrochemical performance of porous silicon synthesized from magnesiothermic reduction of biosilica. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 965-971.	1.0	7
43	Comparative Study of Yttria-Stabilized Zirconia Synthesis by Co-Precipitation and Solvothermal Methods. Jom, 2019, 71, 3806-3813.	1.9	7
44	Spray dryingâ€"assisted recycling of spent LiFePO4 for synthesizing hollow spherical LiFePO4/C. Ionics, 2020, 26, 4949-4960.	2.4	7
45	Flower-like NiS/C as high-performance anode material for sodium-ion batteries. Ionics, 2021, 27, 191-197.	2.4	7
46	Design, synthesis and biological evaluation of six dinuclear platinum(II) complexes. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 963-966.	2.2	6
47	Research status and perspectives of rechargeable Li-CO2 battery. Ionics, 2021, 27, 2785-2802.	2.4	6
48	Ionic liquid-derived Fe, N, S, F multiple heteroatom-doped carbon materials for enhanced oxygen reduction reaction. Nanotechnology, 2021, 32, 395701.	2.6	6
49	Novel antitumor dinuclear platinum (II) complexes with a new chiral tetradentate ligand as the carrier group. Applied Organometallic Chemistry, 2015, 29, 481-486.	3.5	5
50	Strong Asymmetric Coupling of Two Parallel Exclusion Processes: Effect of Unequal Injection Rates. International Journal of Theoretical Physics, 2016, 55, 1642-1651.	1.2	5
51	Preparation of Ferrotitanium Alloys by Electrolysis-Assisted Calciothermic Reduction of Ilmenite in Equimolar CaCl2-NaCl Electrolyte: Effect of Calcium Oxide. Jom, 2018, 70, 575-580.	1.9	4
52	A simple preparation route for polysilicate titanium salt from spent titanium solutions. Water Science and Technology, 2019, 80, 1347-1356.	2.5	4
53	Low-Cost Fabrication of Silicon Nanowires by Molten Salt Electrolysis and Their Electrochemical Performances as Lithium-Ion Battery Anodes. Jom, 2020, 72, 2245-2249.	1.9	4
54	Tin-based negative electrodes with oxygen vacancies embedded through aluminothermic treatment process for lithium-ion battery materials. Ionics, 2021, 27, 533-540.	2.4	4

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55	Highly Dispersed Micrometer Nickel-Rich Single-Crystal Construction: Benefits of Supercritical Reconstruction during Hydrothermal Synthesis. ACS Applied Energy Materials, 2022, 5, 6302-6312.	5.1	4
56	High-performance Ti0.95Co0.05N@NCâ€"based ORR catalysts: organic-nitrogen nitrogenize and their application in rechargeable Zn-air batteries. Ionics, 2021, 27, 721-728.	2.4	3
57	Pd Nanoparticles Self-Assembled on Fluorine-Modified MWCNTs as Electro-Catalysts for Methanol Electro-Oxidation. Nano, 2017, 12, 1750031.	1.0	1
58	Back Cover Image, Volume 3, Number 4, August 2021. , 2021, 3, ii.		0