Jinlong Yang

List of Publications by Year in descending order

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33 papers	2,451 citations	279798 23 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	3475 citing authors

#	Article	IF	Citations
1	A Protonâ€Barrier Separator Induced via Hofmeister Effect for Highâ€Performance Electrolytic MnO₂â€“Zn Batteries. Advanced Energy Materials, 2022, 12, .	19.5	41
2	A dual-confined lithium nucleation and growth design enables dendrite-free lithium metal batteries. Journal of Materials Chemistry A, 2022, 10, 11659-11666.	10.3	6
3	Theoryâ€Driven Design of a Cationic Accelerator for Highâ€Performance Electrolytic MnO₂â€“Zn Batteries. Advanced Materials, 2022, 34, .	21.0	53
4	Twin boundary defect engineering improves lithium-ion diffusion for fast-charging spinel cathode materials. Nature Communications, 2021, 12, 3085.	12.8	77
5	Resolve cathode electrolyte interphase in lithium batteries with cryo-EM. Microscopy and Microanalysis, 2021, 27, 2188-2190.	0.4	0
6	An Interfaceâ€Bridged Organicâ€“Inorganic Layer that Suppresses Dendrite Formation and Side Reactions for Ultraâ€Longâ€Life Aqueous Zinc Metal Anodes. Angewandte Chemie, 2020, 132, 16737-16744.	2.0	52
7	An Interfaceâ€Bridged Organicâ€“Inorganic Layer that Suppresses Dendrite Formation and Side Reactions for Ultraâ€Longâ€Life Aqueous Zinc Metal Anodes. Angewandte Chemie - International Edition, 2020, 59, 16594-16601.	13.8	270
8	Lifting the energy density of lithium ion batteries using graphite film current collectors. Journal of Power Sources, 2020, 455, 227991.	7.8	19
9	Highly Dispersed Cobalt Clusters in Nitrogenâ€Doped Porous Carbon Enable Multiple Effects for Highâ€Performance Liâ€“S Battery. Advanced Energy Materials, 2020, 10, 1903550.	19.5	192
10	Artificial Solid-Electrolyte Interface Facilitating Dendrite-Free Zinc Metal Anodes via Nanowetting Effect. ACS Applied Materials & Interfaces, 2019, 11, 32046-32051.	8.0	223
11	Synergistic effect of charge transfer and short H-bonding on nanocatalyst surface for efficient oxygen evolution reaction. Nano Energy, 2019, 59, 443-452.	16.0	28
12	Tri-phase (1-x-y) Li2FeSiO4Â·xLiFeBO3Â·yLiFePO4 nested nanostructure with enhanced Li-storage properties. Chemical Engineering Journal, 2019, 358, 786-793.	12.7	13
13	Temperature Effect on Co-Based Catalysts in Oxygen Evolution Reaction. Inorganic Chemistry, 2018, 57, 2766-2772.	4.0	54
14	Mesoporous-silica induced doped carbon nanotube growth from metalâ€“organic frameworks. Nanoscale, 2018, 10, 6147-6154.	5.6	96
15	In situ derived Fe/N/S-codoped carbon nanotubes from ZIF-8 crystals as efficient electrocatalysts for the oxygen reduction reaction and zincâ€“air batteries. Journal of Materials Chemistry A, 2018, 6, 20093-20099.	10.3	133
16	Tuning Electronic Push/Pull of Ni-Based Hydroxides To Enhance Hydrogen and Oxygen Evolution Reactions for Water Splitting. ACS Catalysis, 2018, 8, 5621-5629.	11.2	146
17	Fe, Cuâ€Coordinated ZIFâ€Derived Carbon Framework for Efficient Oxygen Reduction Reaction and Zincâ€“Air Batteries. Advanced Functional Materials, 2018, 28, 1802596.	14.9	340
18	FeCoNi sulphide-derived nanodots as electrocatalysts for efficient oxygen evolution reaction. Functional Materials Letters, 2018, 11, 1850058.	1.2	4

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19	Tuning Cobalt and Nitrogen Coâ€Doped Carbon to Maximize Catalytic Sites on a Superabsorbent Resin for Efficient Oxygen Reduction. ChemSusChem, 2018, 11, 3631-3639.	6.8	20
20	Nanocarbon-intercalated and Feâ€“N-codoped graphene as a highly active noble-metal-free bifunctional electrocatalyst for oxygen reduction and evolution. Journal of Materials Chemistry A, 2017, 5, 1930-1934.	10.3	88
21	Co₃O_{4â^Î´} Quantum Dots As a Highly Efficient Oxygen Evolution Reaction Catalyst for Water Splitting. ACS Applied Materials & Interfaces, 2017, 9, 16159-16167.	8.0	104
22	Depolarization effects of Li₂FeSiO₄ nanocrystals wrapped in different conductive carbon networks as cathodes for high performance lithium-ion batteries. RSC Advances, 2016, 6, 47723-47729.	3.6	19
23	Keratin-derived S/N co-doped graphene-like nanobubble and nanosheet hybrids for highly efficient oxygen reduction. Journal of Materials Chemistry A, 2016, 4, 15870-15879.	10.3	81
24	Soft-contact conductive carbon enabling depolarization of LiFePO4 cathodes to enhance both capacity and rate performances of lithium ion batteries. Journal of Power Sources, 2016, 331, 232-239.	7.8	41
25	Tuning structural stability and lithium-storage properties by d -orbital hybridization substitution in full tetrahedron Li 2 FeSiO 4 nanocrystal. Nano Energy, 2016, 20, 117-125.	16.0	44
26	FeOxand Si nano-dots as dual Li-storage centers bonded with graphene for high performance lithium ion batteries. Nanoscale, 2015, 7, 14344-14350.	5.6	8
27	Fast rechargeable all-solid-state lithium ion batteries with high capacity based on nano-sized Li2FeSiO4 cathode by tuning temperature. Nano Energy, 2015, 16, 112-121.	16.0	37
28	Li₂FeSiO₄ nanorods bonded with graphene for high performance batteries. Journal of Materials Chemistry A, 2015, 3, 9601-9608.	10.3	59
29	Lithium storage properties of in situ synthesized Li₂FeSiO₄ and LiFeBO₃ nanocomposites as advanced cathode materials for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 23368-23375.	10.3	15
30	Sn(ii,iv) steric and electronic structure effects enable self-selective doping on Fe/Si-sites of Li2FeSiO4 nanocrystals for high performance lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 24437-24445.	10.3	15
31	Nanocrystalline-Li₂FeSiO₄ synthesized by carbon frameworks as an advanced cathode material for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 6870-6878.	10.3	65
32	Synthesis and electrochemical performance of Li2FeSiO4/C/carbon nanosphere composite cathode materials for lithium ion batteries. Journal of Alloys and Compounds, 2013, 572, 158-162.	5.5	56
33	Hierarchical shuttle-like Li2FeSiO4 as a highly efficient cathode material for lithium-ion batteries. Journal of Power Sources, 2013, 242, 171-178.	7.8	52