Dian-Long Wang

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/7503897/dian-long-wang-publications-by-year.pdf
Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76 papers	2,996 citations	30 h-index	54 g-index
77 ext. papers	3,791 ext. citations	8.5 avg, IF	5.64 L-index

#	Paper	IF	Citations
76	A V2O3@NC cathode material for aqueous zinc-ion batteries with boosted zinc-ion storage performance. *Rare Metals*, **2022**, 41, 1605	5.5	1
75	Suppressing lithium dendrites within inorganic solid-state electrolytes. *Cell Reports Physical Science*, **2022**, 3, 100706	6.1	2
74	Study on modification and failure of precast solid electrolyte interface film on Li metal anodes. *International Journal of Energy Research*, **2021**, 45, 14034-14046	4.5	
73	Boosting electrochemical kinetics of S cathodes for room temperature Na/S batteries. *Matter*, **2021**, 4, 1768-1800	12.7	18
72	Interface coupling in FeOOH/MXene heterojunction for highly reversible lithium-ion storage. *Materials Today Energy*, **2021**, 19, 100584	7	5
71	Synergistic nanostructure and heterointerface design propelled ultra-efficient in-situ self-transformation of zinc-ion battery cathodes with favorable kinetics. *Nano Energy*, **2021**, 81, 105601	17.1	43
70	Prelithiation: A Crucial Strategy for Boosting the Practical Application of Next-Generation Lithium Ion Battery. *ACS Nano*, **2021**, 15, 2197-2218	16.7	58
69	Stress-release design for high-capacity and long-time lifespan aqueous zinc-ion batteries. *Materials Today Energy*, **2021**, 21, 100799	7	3
68	Anodic Oxidation Strategy toward Structure-Optimized VO Cathode Electrolyte Regulation for Zn-Ion Storage. *ACS Nano*, **2020**, 14, 7328-7337	16.7	101
67	Interfacial and Electronic Modulation via Localized Sulfurization for Boosting Lithium Storage Kinetics. *Advanced Materials*, **2020**, 32, e2000151	24	56
66	In situ growth of CuO submicro-sheets on optimized Cu foam to induce uniform Li deposition and stripping for stable Li metal batteries. *Electrochimica Acta*, **2020**, 339, 135941	6.7	19
65	Graphene-Modified Mesoporous Iron Phosphate as Superior Binary Sulfur Host for Lithium–Sulfur Batteries. *Energy Technology*, **2020**, 8, 1901462	3.5	3
64	Construction of Dual-Carbon Co-Modified LiFePO4 Nanocrystals via Microreactor Strategy for High-Performance Lithium Ion Batteries. *Energy Technology*, **2020**, 8, 2000171	3.5	3
63	Sodiophilic Decoration of a Three-Dimensional Conductive Scaffold toward a Stable Na Metal Anode. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5452-5463	8.3	17
62	A rational VO2 nanotube/graphene binary sulfur host for superior lithium-sulfur batteries. *Journal of Alloys and Compounds*, **2020**, 838, 155504	5.7	11
61	A MIL-47(V) derived hierarchical lasagna-structured VO@C hollow microcuboid as an efficient sulfur host for high-performance lithium-sulfur batteries. *Nanoscale*, **2020**, 12, 4552-4561	7.7	19
60	Holey graphene modified LiFePO4 hollow microsphere as an efficient binary sulfur host for high-performance lithium-sulfur batteries. *Energy Storage Materials*, **2020**, 26, 433-442	19.4	36

59	Precast solid electrolyte interface film on Li metal anode toward longer cycling life. *Ionics*, **2020**, 26, 1711-1719	2.7	2
58	Synergistic deficiency and heterojunction engineering boosted VO2 redox kinetics for aqueous zinc-ion batteries with superior comprehensive performance. *Energy Storage Materials*, **2020**, 33, 390-398	19.4	79
57	Modified solid-electrolyte interphase toward stable Li metal anode. *Nano Energy*, **2020**, 77, 105308	17.1	34
56	Solid Electrolyte Interphases on Sodium Metal Anodes. *Advanced Functional Materials*, **2020**, 30, 2004891	15.6	56
55	Graphene-based composites for electrochemical energy storage. *Energy Storage Materials*, **2020**, 24, 22-51	19.4	214
54	Three-dimensional nitrogen-doped graphene aerogel toward dendrite-free lithium-metal anode. *Ionics*, **2020**, 26, 13-22	2.7	6
53	Lithium fluoride additive for inorganic LiAlCl4□SO2 electrolyte toward stable lithium metal anode. *Electrochimica Acta*, **2020**, 345, 136193	6.7	3
52	Stabilizing the structure of LiMnFePOvia the formation of concentration-gradient hollow spheres with Fe-rich surfaces. *Nanoscale*, **2019**, 11, 3933-3944	7.7	19
51	Trifunctional Electrode Additive for High Active Material Content and Volumetric Lithium-Ion Electrode Densities. *Advanced Energy Materials*, **2019**, 9, 1803390	21.8	20
50	A LiA1Cl4□SO2-NaAlCl4□2SO2 binary inorganic electrolyte with improved electrochemical performance for Li-metal batteries. *Ionics*, **2019**, 25, 4751-4760	2.7	2
49	LiAlCl4□SO2: a promising inorganic electrolyte for stable Li metal anode at room and low temperature. *Ionics*, **2019**, 25, 4137-4147	2.7	4
48	A stable protective layer toward high-performance lithium metal battery. *Ionics*, **2019**, 25, 4067-4074	2.7	4
47	Metal-organic framework derived 3D graphene decorated NaTi(PO) for fast Na-ion storage. *Nanoscale*, **2019**, 11, 7347-7357	7.7	16
46	Purifying the Phase of NaTi(PO) for Enhanced Na Storage Properties. *ACS Applied Materials & Interfaces*, **2019**, 11, 10663-10671	9.5	11
45	The difference in aging behaviors and mechanisms between floating charge and cycling of LiFePO4/graphite batteries. *Ionics*, **2019**, 25, 2139-2145	2.7	1
44	A new reflowing strategy based on lithiophilic substrates towards smooth and stable lithium metal anodes. *Journal of Materials Chemistry A*, **2019**, 7, 18126-18134	13	18
43	Construction of Structure-Tunable Si@Void@C Anode Materials for Lithium-Ion Batteries through Controlling the Growth Kinetics of Resin. *ACS Nano*, **2019**, 13, 12219-12229	16.7	76
42	The enhanced X-ray Timing and Polarimetry mission□XTP. *Science China: Physics, Mechanics and Astronomy*, **2019**, 62, 1	3.6	95

41	Hierarchical design of hollow Co-Ni LDH nanocages strung by MnO2 nanowire with enhanced pseudocapacitive properties. *Energy Storage Materials*, **2019**, 19, 370-378	19.4	80
40	A LiFePO4/Li2Sn hybrid system with enhanced Li-ion storage performance. *New Journal of Chemistry*, **2018**, 42, 6626-6630	3.6	9
39	3D self-supported hierarchical core/shell structured MnCo2O4@CoS arrays for high-energy supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 1822-1831	13	108
38	A three-dimensional cathode matrix with bi-confinement effect of polysulfide for lithium-sulfur battery. *Applied Surface Science*, **2018**, 427, 396-404	6.7	22
37	A study on LiFePO/graphite cells with built-in LiTiO reference electrodes.. *RSC Advances*, **2018**, 8, 18597-18603	3.7	10
36	A 3D conductive scaffold with lithiophilic modification for stable lithium metal batteries. *Journal of Materials Chemistry A*, **2018**, 6, 17967-17976	13	45
35	Core-shell structured Fe3O4@NiS nanocomposite as high-performance anode material for alkaline nickel-iron rechargeable batteries. *Electrochimica Acta*, **2017**, 231, 479-486	6.7	27
34	LiFePO4 quantum-dots composite synthesized by a general microreactor strategy for ultra-high-rate lithium ion batteries. *Nano Energy*, **2017**, 42, 363-372	17.1	101
33	Facile fabrication of coal-derived activated carbon/Co3O4 nanocomposites with superior electrochemical performance. *Ionics*, **2017**, 23, 1927-1931	2.7	8
32	Li3V2(PO4)3 as a cathode additive for the over-discharge protection of lithium ion batteries. *RSC Advances*, **2016**, 6, 76933-76937	3.7	7
31	All-climate sodium ion batteries based on the NASICON electrode materials. *Nano Energy*, **2016**, 30, 756-761	17.1	56
30	Carbon nanotube decorated NaTi2(PO4)3/C nanocomposite for a high-rate and low-temperature sodium-ion battery anode. *RSC Advances*, **2016**, 6, 70277-70283	3.7	42
29	A facile hydrothermal synthesis of a reduced graphene oxide modified cobalt disulfide composite electrode for high-performance supercapacitors. *RSC Advances*, **2016**, 6, 7129-7138	3.7	31
28	A Hierarchical Porous C@LiFePO4/Carbon Nanotubes Microsphere Composite for High-Rate Lithium-Ion Batteries: Combined Experimental and Theoretical Study. *Advanced Energy Materials*, **2016**, 6, 1600426	21.8	162
27	Facile controlled synthesis of a hierarchical porous nanocoral-like Co3S4 electrode for high-performance supercapacitors. *RSC Advances*, **2016**, 6, 54076-54086	3.7	31
26	A novel route to fabricate high-density graphene assemblies for high-volumetric-performance supercapacitors: effect of cation pre-intercalation. *RSC Advances*, **2016**, 6, 36971-36977	3.7	6
25	A regular, compact but microporous packing structure: high-density graphene assemblies for high-volumetric-performance supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 12653-12662	13	27
24	A reduced graphene oxide modified metallic cobalt composite with superior electrochemical performance for supercapacitors. *RSC Advances*, **2015**, 5, 63553-63560	3.7	49

23	Desired crystal oriented LiFePO4 nanoplatelets in situ anchored on a graphene cross-linked conductive network for fast lithium storage. *Nanoscale*, **2015**, 7, 8819-28	7.7	92
22	Preparation and characterization of layered LiNi0.9Co0.05Mn0.025Mg0.025O2 cathode material by a sol–gel method for lithium-ion batteries. *RSC Advances*, **2015**, 5, 40779-40784	3.7	11
21	Dual roles of iron powder on the synthesis of LiFePO4@C/graphene cathode a nanocomposite for high-performance lithium ion batteries. *RSC Advances*, **2015**, 5, 100018-100023	3.7	15
20	A three-dimensional porous LiFePO4 cathode material modified with a nitrogen-doped graphene aerogel for high-power lithium ion batteries. *Energy and Environmental Science*, **2015**, 8, 869-875	35.4	351
19	A three dimensional SiOx/C@RGO nanocomposite as a high energy anode material for lithium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 3521-3527	13	112
18	Mesoporous carbon-coated LiFePO4 nanocrystals co-modified with graphene and Mg2+ doping as superior cathode materials for lithium ion batteries. *Nanoscale*, **2014**, 6, 986-95	7.7	119
17	Ultrafast preparation of three-dimensional porous tin–graphene composites with superior lithium ion storage. *Journal of Materials Chemistry A*, **2014**, 2, 12918	13	46
16	A three-dimensional multilayered SiO–graphene nanostructure as a superior anode material for lithium-ion batteries. *RSC Advances*, **2014**, 4, 36502-36506	3.7	2
15	Carbon-coated single-crystalline LiFePO4 nanocomposites for high-power Li-ion batteries: the impact of minimization of the precursor particle size. *RSC Advances*, **2014**, 4, 10067	3.7	28
14	Nitrogen-doped carbon coated SiO nanoparticles Co-modified with nitrogen-doped graphene as a superior anode material for lithium-ion batteries. *RSC Advances*, **2014**, 4, 35717-35725	3.7	5
13	Hydrogen evolution behavior of electrochemically active carbon modified with indium and its effects on the cycle performance of valve-regulated lead-acid batteries. *RSC Advances*, **2014**, 4, 44152-44157	3.7	14
12	The composite electrode of LiFePO4 cathode materials modified with exfoliated graphene from expanded graphite for high power Li-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 2822-2829	13	42
11	Growth of LiFePO4 nanoplatelets with orientated (010) facets on graphene for fast lithium storage. *Materials Letters*, **2014**, 118, 137-141	3.3	29
10	One-pot synthesis of SnS nanorods and their lithium storage properties. *Ionics*, **2014**, 20, 141-144	2.7	22
9	Preparation of SnO2–graphene from SnS–graphene oxide for enhanced reversible lithium ion storage. *Ionics*, **2013**, 19, 1223-1228	2.7	5
8	Corrosion resistance of nickel foam modified with electroless Ni–P alloy as positive current collector in a lithium ion battery. *RSC Advances*, **2013**, 3, 25648	3.7	12
7	Improvement of the electrochemical performance of carbon-coated LiFePO4 modified with reduced graphene oxide. *Journal of Materials Chemistry A*, **2013**, 1, 135-144	13	100
6	Preparation of Co3O4 nanoplate/graphene sheet composites and their synergistic electrochemical performance. *Ionics*, **2013**, 19, 215-220	2.7	24

5	Modified carbothermal synthesis and electrochemical performance of LiFePO4/C composite as cathode materials for lithium-ion batteries. *Ionics*, **2013**, 19, 245-252	2.7	8
4	Synthesis and characterization of sulfonated graphene as a highly active solid acid catalyst for the ester-exchange reaction. *Catalysis Science and Technology*, **2013**, 3, 1194	5.5	46
3	The synergy effect on Li storage of LiFePO4 with activated carbon modifications. *RSC Advances*, **2013**, 3, 20024	3.7	37
2	EQCM studies of composition and electrochemical performance of film prepared by electrochemical reduction of sodium ferrate. *Journal of Solid State Electrochemistry*, **2012**, 16, 2079-2084	2.6	
1	3D Alk-MXene@Fe3O4 as Cathode Additive for Rechargeable Lithium–Sulfur Batteries. *Advanced Energy and Sustainability Research*,2100167	1.6	0