

Kangzhe Cao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/663360/publications.pdf>

Version: 2024-02-01

41
papers

3,064
citations

218677

26
h-index

265206

42
g-index

43
all docs

43
docs citations

43
times ranked

4719
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure engineering of silicon nanoparticles with dual signals for hydrogen peroxide detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 266, 120421.	3.9	5
2	F- regulate the preparation of polyhedral BiVO ₄ enclosed by High-Index facet and enhance its photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 393-405.	9.4	18
3	Self-induced matrix with Li-ion storage activity in ultrathin CuMnO ₂ nanosheets electrode. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1101-1110.	9.4	24
4	Heterostructure engineering of ultrathin SnS ₂ /Ti ₃ C ₂ T nanosheets for high-performance potassium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 167-176.	9.4	28
5	Activating commercial Al pellets by replacing the passivation layer for high-performance half/full Li-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 433, 133572.	12.7	7
6	Promoting K ion storage property of SnS ₂ anode by structure engineering. <i>Chemical Engineering Journal</i> , 2021, 406, 126902.	12.7	52
7	Mn ₃ O ₄ nanoparticles anchored on carbon nanotubes as anode material with enhanced lithium storage. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157179.	5.5	45
8	Stimulating the Reversibility of Sb ₂ S ₃ Anode for High-Performance Potassium-ion Batteries. <i>Small</i> , 2021, 17, e2008133.	10.0	56
9	Potassium-ion Batteries: Stimulating the Reversibility of Sb ₂ S ₃ Anode for High-Performance Potassium-ion Batteries (Small 10/2021). <i>Small</i> , 2021, 17, 2170044.	10.0	2
10	Intercalation engineering of layered vanadyl phosphates for high performance zinc-ion batteries. <i>Journal of Energy Chemistry</i> , 2021, 63, 239-245.	12.9	27
11	PdZn alloys decorated 3D hierarchical porous carbon networks for highly efficient and stable hydrogen production from aldehyde solution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 33429-33437.	7.1	6
12	Bi-continuous ion/electron transfer avenues enhancing the rate capability of SnS ₂ anode for potassium-ion batteries. <i>Journal of Power Sources</i> , 2021, 506, 230160.	7.8	17
13	Lowering the voltage-hysteresis of CuS anode for Li-ion batteries via constructing heterostructure. <i>Chemical Engineering Journal</i> , 2021, 425, 130548.	12.7	41
14	Flexible Surface-Enhanced Raman Scattering Substrates: A Review on Constructions, Applications, and Challenges. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100982.	3.7	43
15	Boosting glucose oxidation by constructing Cu ₂ O heterostructures. <i>New Journal of Chemistry</i> , 2020, 44, 18449-18456.	2.8	13
16	Boosting Coulombic Efficiency of Conversion-Reaction Anodes for Potassium-ion Batteries via Confinement Effect. <i>Advanced Functional Materials</i> , 2020, 30, 2007712.	14.9	68
17	Flexible Antimony@Carbon Integrated Anode for High-Performance Potassium-ion Battery. <i>Advanced Materials Technologies</i> , 2020, 5, 2000199.	5.8	53
18	Constructing hierarchical MnO ₂ /Co ₃ O ₄ heterostructure hollow spheres for high-performance Li-ion batteries. <i>Journal of Power Sources</i> , 2019, 437, 226904.	7.8	33

#	ARTICLE	IF	CITATIONS
19	CuO Nanoplates for High-Performance Potassium-Ion Batteries. <i>Small</i> , 2019, 15, e1901775.	10.0	111
20	Li ²⁺ Batteries: A Reversible Energy Storage System?. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17782-17787.	13.8	39
21	Li ²⁺ Batteries: A Reversible Energy Storage System?. <i>Angewandte Chemie</i> , 2019, 131, 17946-17951.	2.0	2
22	K ₂ Ti ₆ O ₁₃ nanorods for potassium-ion battery anodes. <i>Journal of Electroanalytical Chemistry</i> , 2019, 841, 51-55.	3.8	37
23	Titelbild: Li ²⁺ Batteries: A Reversible Energy Storage System? (<i>Angew. Chem.</i> 49/2019). <i>Angewandte Chemie</i> , 2019, 131, 17645-17645.	2.0	1
24	Exploiting Synergistic Effect by Integrating Ruthenium-Copper Nanoparticles Highly Co-Dispersed on Graphene as Efficient Air Cathodes for Li-CO ₂ Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1802805.	19.5	100
25	Identification of cathode stability in Li-CO ₂ batteries with Cu nanoparticles highly dispersed on N-doped graphene. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3218-3223.	10.3	126
26	Electrospun NaVPO ₄ /C Nanofibers as Self-Standing Cathode Material for Ultralong Cycle Life Na-Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700087.	19.5	209
27	Encapsulating sulfur in Î-MnO ₂ at room temperature for Li-S battery cathode. <i>Energy Storage Materials</i> , 2017, 9, 78-84.	18.0	97
28	Controllable N-Doped CuCo ₂ O ₄ @C Film as a Self-Supported Anode for Ultrastable Sodium-Ion Batteries. <i>Small</i> , 2017, 13, 1700873.	10.0	65
29	A Foolproof Method to Fabricate Integrated Electrodes with 3D Conductive Networks: A Case Study of MnO _x @Cu as Li-Ion Battery Anode. <i>Advanced Materials Technologies</i> , 2017, 2, 1600221.	5.8	21
30	Recent progress in conversion reaction metal oxide anodes for Li-ion batteries. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2213-2242.	5.9	262
31	Na ₂ Ti ₆ O ₁₃ Nanorods with Dominant Large Interlayer Spacing Exposed Facet for High-Performance Na-Ion Batteries. <i>Small</i> , 2016, 12, 2991-2997.	10.0	78
32	Electrodes: Reconstruction of Mini-Hollow Polyhedron Mn ₂ O ₃ Derived from MOFs as a High-Performance Lithium Anode Material (<i>Adv. Sci.</i> 3/2016). <i>Advanced Science</i> , 2016, 3, .	11.2	1
33	Reconstruction of Mini-Hollow Polyhedron Mn ₂ O ₃ Derived from MOFs as a High-Performance Lithium Anode Material. <i>Advanced Science</i> , 2016, 3, 1500185.	11.2	83
34	FeMnO ₃ : a high-performance Li-ion battery anode material. <i>Chemical Communications</i> , 2016, 52, 11414-11417.	4.1	38
35	3D hierarchical porous ZnO/ZnCo ₂ O ₄ nanosheets as high-rate anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6042-6047.	10.3	91
36	Lithium-ion Batteries: 3D Hierarchical Porous Î±-Fe ₂ O ₃ Nanosheets for High-Performance Lithium-Ion Batteries (<i>Adv. Energy Mater.</i> 4/2015). <i>Advanced Energy Materials</i> , 2015, 5, .	19.5	5

#	ARTICLE	IF	CITATIONS
37	Ultra-High Capacity Lithium-Ion Batteries with Hierarchical CoO Nanowire Clusters as Binder Free Electrodes. <i>Advanced Functional Materials</i> , 2015, 25, 1082-1089.	14.9	237
38	Update on anode materials for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17899-17913.	10.3	408
39	Ultrasmall TiO ₂ Nanoparticles in Situ Growth on Graphene Hybrid as Superior Anode Material for Sodium/Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11239-11245.	8.0	144
40	3D Hierarchical Porous Fe ₂ O ₃ Nanosheets for High-Performance Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1401421.	19.5	321
41	Improved dehydrogenation performance of LiBH ₄ by confinement into porous TiO ₂ micro-tubes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9244-9250.	10.3	40