Ping Nie

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6530616/publications.pdf

Version: 2024-02-01

106	8,617	38742 50	43889 91
papers	citations	h-index	g-index

110	110	110	10190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Encapsulating silicon particles by graphitic carbon enables High-performance Lithium-ion batteries. Journal of Colloid and Interface Science, 2022, 607, 1562-1570.	9.4	13
2	Facile fabrication of PS/Cu2S/Ag sandwich structure as SERS substrate for ultra-sensitive detection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 265, 120370.	3.9	14
3	Dealloying Synthesis of Silicon Nanotubes for Highâ€Performance Lithium Ion Batteries. ChemPhysChem, 2022, , .	2.1	2
4	Metallic Mo₂C Quantum Dots Confined in Functional Carbon Nanofiber Films toward Efficient Sodium Storage: Heterogeneous Interface Engineering and Charge-Storage Mechanism. ACS Applied Energy Materials, 2022, 5, 1114-1125.	5.1	16
5	Dealloying Synthesis of Silicon Nanotubes for Highâ€Performance Lithium Ion Batteries. ChemPhysChem, 2022, 23, e202200233.	2.1	10
6	Front Cover: Dealloying Synthesis of Silicon Nanotubes for Highâ€Performance Lithium Ion Batteries (ChemPhysChem 9/2022). ChemPhysChem, 2022, 23, .	2.1	0
7	Highly Dispersed Antimonyâ€“Bismuth Alloy Encapsulated in Carbon Nanofibers for Ultrastable K-Ion Batteries. Journal of Physical Chemistry Letters, 2022, 13, 6587-6596.	4.6	7
8	Perovskite-type CaMnO3 anode material for highly efficient and stable lithium ion storage. Journal of Colloid and Interface Science, 2021, 584, 698-705.	9.4	21
9	Controlled synthesis of a PS/Au/ZIF-8 hybrid structure as a SERS substrate for ultrasensitive detection. New Journal of Chemistry, 2021, 45, 1355-1362.	2.8	9
10	Waste utilization of crab shell: 3D hierarchical porous carbon towards high-performance Na/Li storage. New Journal of Chemistry, 2021, 45, 19439-19445.	2.8	6
11	Facile Fabrication of Binder-Free CoZn LDH/CFP Electrode with Enhanced Capacitive Properties for Asymmetric Supercapacitor. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 3953-3961.	3.7	10
12	Electrodeposited binder-free CoMn LDH/CFP electrode with high electrochemical performance for asymmetric supercapacitor. Ionics, 2020, 26, 1389-1396.	2.4	22
13	Nanosheets assembled layered MoS2/MXene as high performance anode materials for potassium ion batteries. Journal of Power Sources, 2020, 449, 227481.	7.8	125
14	Nanohollow Carbon for Rechargeable Batteries: Ongoing Progresses and Challenges. Nano-Micro Letters, 2020, 12, 183.	27.0	45
15	Encapsulating Oxygenâ€Deficient TiNb₂₄O₆₂ Microspheres by Nâ€Doped Carbon Nanolayer Boosts Capacity and Stability of Lithiumâ€ion Battery. Batteries and Supercaps, 2020, 3, 1360-1369.	4.7	10
16	Emerging Potassiumâ€ion Hybrid Capacitors. ChemSusChem, 2020, 13, 5837-5862.	6.8	65
17	Aerosol-Assisted Assembly of Mesoporous Carbon Spheres With Fast and Stable K-ion Storage. Frontiers in Chemistry, 2020, 8, 784.	3.6	2
18	Hierarchical N-doped carbon nanosheets submicrospheres enable superior electrochemical properties for potassium ion capacitors. Journal of Power Sources, 2020, 469, 228415.	7.8	57

#	Article	IF	Citations
19	Tubular Graphene Nano-Scroll Coated Silicon for High Rate Performance Lithium-Ion Battery. Frontiers in Energy Research, 2020, 8, .	2.3	6
20	Hierarchical N-doped hollow carbon microspheres as advanced materials for high-performance lithium-ion capacitors. Journal of Materials Chemistry A, 2020, 8, 3956-3966.	10.3	58
21	Synchronous crystal growth and etching optimization of Prussian blue from a single iron-source as high-rate cathode for sodium-ion batteries. Electrochimica Acta, 2020, 341, 136057.	5.2	24
22	Electrochemical Deposition Enables Freestanding CoNi Layered Double Hydroxide/MnO_X Electrode with Enhanced Electrochemical Properties for Asymmetric Supercapacitors. Energy Technology, 2019, 7, 1900680.	3.8	19
23	Catalytic Growth of Graphitic Carbonâ€Coated Silicon as Highâ€Performance Anodes for Lithium Storage. Energy Technology, 2019, 7, 1900502.	3.8	5
24	Novel acetic acid induced Na-rich Prussian blue nanocubes with iron defects as cathodes for sodium ion batteries. Journal of Materials Chemistry A, 2019, 7, 12134-12144.	10.3	63
25	Role of surface ligands on CdSe/CdS QDs in affecting the charge separation and photocatalytic behavior in reducing the graphene oxide. Journal of Materials Science: Materials in Electronics, 2019, 30, 9363-9371.	2.2	3
26	Well-dispersed phosphorus nanocrystals within carbon via high-energy mechanical milling for high performance lithium storage. Nano Energy, 2019, 59, 464-471.	16.0	70
27	The g-C3N4 nanosheets decorated by plasmonic Au nanoparticles: A heterogeneous electrocatalyst for oxygen evolution reaction enhanced by sunlight illumination. Electrochimica Acta, 2019, 303, 110-117.	5.2	27
28	Engineering MoS2 Nanosheets Anchored on Metal Organic Frameworks Derived Carbon Polyhedra for Superior Lithium and Potassium Storage. Frontiers in Energy Research, 2019, 7, .	2.3	18
29	Nanoâ€sized Titanium Nitride Functionalized Separator Improves Cycling Performance of Lithium Sulfur Batteries. ChemistrySelect, 2019, 4, 698-704.	1.5	19
30	Rigid Polyimide Buffering Layer Enabling Silicon Nanoparticles Prolonged Cycling Life for Lithium Storage. ACS Applied Energy Materials, 2018, 1, 948-955.	5.1	12
31	High energy aqueous sodium-ion capacitor enabled by polyimide electrode and high-concentrated electrolyte. Electrochimica Acta, 2018, 268, 512-519.	5.2	46
32	Sodium-rich iron hexacyanoferrate with nickel doping as a high performance cathode for aqueous sodium ion batteries. Journal of Electroanalytical Chemistry, 2018, 818, 10-18.	3.8	42
33	Boron and nitrogen dual-doped carbon as a novel cathode for high performance hybrid ion capacitors. Chinese Chemical Letters, 2018, 29, 624-628.	9.0	28
34	Highâ€Voltage Li₂SiO₃â^'LiNi_{0.5}Mn_{1.5}O₄ Hollow Spheres Prepared through In Situ Aerosol Spray Pyrolysis towards Highâ€Energy Liâ€Ion Batteries. ChemElectroChem, 2018, 5, 1212-1218.	3.4	19
35	A functional interlayer as a polysulfides blocking layer for high-performance lithiumâ€“sulfur batteries. New Journal of Chemistry, 2018, 42, 1431-1436.	2.8	39
36	2D MXene/SnS2 composites as high-performance anodes for sodium ion batteries. Chemical Engineering Journal, 2018, 334, 932-938.	12.7	230

#	Article	IF	Citations
37	Progress of Nanostructured Electrode Materials for Supercapacitors. Advanced Sustainable Systems, 2018, 2, 1700110.	5.3	87
38	Aerosolâ€Spray Pyrolysis toward Preparation of Nanostructured Materials for Batteries and Supercapacitors. Small Methods, 2018, 2, 1700272.	8.6	48
39	Graphene scrolls coated Sb2S3 nanowires as anodes for sodium and lithium ion batteries. Nano Structures Nano Objects, 2018, 15, 197-204.	3.5	12
40	Aerosol-Assisted Synthesis of Spherical Sb/C Composites as Advanced Anodes for Lithium Ion and Sodium Ion Batteries. ACS Applied Energy Materials, 2018, 1, 6381-6387.	5.1	32
41	Graphene Caging Silicon Particles for Highâ€Performance Lithiumâ€Ion Batteries. Small, 2018, 14, e1800635.	10.0	146
42	MXene debris modified eggshell membrane as separator for high-performance lithium-sulfur batteries. Chemical Engineering Journal, 2018, 352, 695-703.	12.7	100
43	Highâ€Voltage LiNi_{0.45}Cr_{0.1}Mn_{1.45}O₄ Cathode with Superlong Cycle Performance for Wide Temperature Lithiumâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1704808.	14.9	91
44	Self-supported electrodes of Na₂Ti₃O₇ nanoribbon array/graphene foam and graphene foam for quasi-solid-state Na-ion capacitors. Journal of Materials Chemistry A, 2017, 5, 5806-5812.	10.3	48
45	Pseudocapacitive Sodium Storage in Mesoporous Single-Crystal-like TiO₂â€“Graphene Nanocomposite Enables High-Performance Sodium-Ion Capacitors. ACS Nano, 2017, 11, 2952-2960.	14.6	542
46	Raspberry-like Nanostructured Silicon Composite Anode for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 18766-18773.	8.0	65
47	Mesoporous Silicon Anodes by Using Polybenzimidazole Derived Pyrrolic N-Enriched Carbon toward High-Energy Li-Ion Batteries. ACS Energy Letters, 2017, 2, 1279-1287.	17.4	122
48	Exploring metal organic frameworks for energy storage in batteries and supercapacitors. Materials Today, 2017, 20, 191-209.	14.2	402
49	Prussian Blue Analogue with Fast Kinetics Through Electronic Coupling for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 20306-20312.	8.0	96
50	MoS₂â€Nanosheetâ€Decorated 2D Titanium Carbide (MXene) as Highâ€Performance Anodes for Sodiumâ€Ion Batteries. ChemElectroChem, 2017, 4, 1560-1565.	3.4	123
51	Biomass derived carbon for energy storage devices. Journal of Materials Chemistry A, 2017, 5, 2411-2428.	10.3	632
52	Highly stable lithium ion capacitor enabled by hierarchical polyimide derived carbon microspheres combined with 3D current collectors. Journal of Materials Chemistry A, 2017, 5, 23283-23291.	10.3	94
53	Few-Layer MXenes Delaminated via High-Energy Mechanical Milling for Enhanced Sodium-Ion Batteries Performance. ACS Applied Materials & Interfaces, 2017, 9, 39610-39617.	8.0	152
54	Bifunctional Redox Mediator Supported by an Anionic Surfactant for Long-Cycle Liâ€“O₂ Batteries. ACS Energy Letters, 2017, 2, 2659-2666.	17.4	42

#	Article	IF	Citations
55	Effect of Pre-Punched Current Collector for Lithiation on the Electrochemical Performance of Lithium-Ion Capacitor. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2017, 33, 780-786.	4.9	8
56	Excellent cycling stability and superior rate capability of a grapheneâ€“amorphous FePO₄porous nanowire hybrid as a cathode material for sodium ion batteries. Nanoscale, 2016, 8, 8495-8499.	5.6	42
57	Li3V2(PO4)3/nitrogen-doped reduced graphene oxide nanocomposite with enhanced lithium storage properties. Journal of Solid State Electrochemistry, 2016, 20, 1983-1990.	2.5	4
58	Enhanced electrochemical properties of MgF2 and C co-coated Li3V2(PO4)3 composite for Li-ion batteries. Journal of Electroanalytical Chemistry, 2016, 762, 1-6.	3.8	14
59	Design of nanoconfined MWNTs@NaTi2(PO4)3 coaxial cables with superior rate capability and long-cycle life for Na-ion batteries. Applied Materials Today, 2016, 4, 54-61.	4.3	24
60	Effect of Graphene Modified Cu Current Collector on the Performance of Li₄Ti₅O₁₂Anode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 30926-30932.	8.0	81
61	Titanium Dioxide/Germanium Coreâ€“Shell Nanorod Arrays Grown on Carbon Textiles as Flexible Electrodes for High Density Lithiumâ€ion Batteries. Particle and Particle Systems Characterization, 2015, 32, 364-372.	2.3	32
62	Nanospace-Confinement Copolymerization Strategy for Encapsulating Polymeric Sulfur into Porous Carbon for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2015, 7, 11165-11171.	8.0	49
63	N-doped carbon foam based three-dimensional electrode architectures and asymmetric supercapacitors. Journal of Materials Chemistry A, 2015, 3, 2853-2860.	10.3	70
64	High rate capability and superior cycle stability of a flower-like Sb₂S₃anode for high-capacity sodium ion batteries. Nanoscale, 2015, 7, 3309-3315.	5.6	147
65	Flexible metalâ€“organic frameworks as superior cathodes for rechargeable sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 16590-16597.	10.3	94
66	Trivalent Ti self-doped Li 4 Ti 5 O 12 : A high performance anode material for lithium-ion capacitors. Journal of Electroanalytical Chemistry, 2015, 757, 1-7.	3.8	63
67	Porous NiCo₂O₄nanotubes as a noble-metal-free effective bifunctional catalyst for rechargeable Liâ€“O₂batteries. Journal of Materials Chemistry A, 2015, 3, 24309-24314.	10.3	57
68	Porous nitrogen and phosphorus co-doped carbon nanofiber networks for high performance electrical double layer capacitors. Journal of Materials Chemistry A, 2015, 3, 23268-23273.	10.3	82
69	Pseudocapacitive behaviours of Na₂Ti₃O₇@CNT coaxial nanocables for high-performance sodium-ion capacitors. Journal of Materials Chemistry A, 2015, 3, 21277-21283.	10.3	187
70	Synthesis of LiNi_{0.5}Mn_{1.5}O₄ Hollow Microspheres and Their Lithiumâ€Storage Properties. ChemElectroChem, 2015, 2, 127-133.	3.4	25
71	Biomass-derived porous carbon materials with sulfur and nitrogen dual-doping for energy storage. Green Chemistry, 2015, 17, 1668-1674.	9.0	572
72	Enhanced Performance of Aqueous Sodiumâ€ion Batteries Using Electrodes Based on the NaTi₂(PO₄)₃/MWNTsâ€“Na_{0.44}MnO₂ System. Energy Technology, 2014, 2, 705-712.	3.8	56

#	Article	IF	Citations
73	Enhanced Lithiumâ€Storage Performance from Threeâ€Dimensional MoS₂ Nanosheets/Carbon Nanotube Paper. ChemElectroChem, 2014, 1, 1118-1125.	3.4	43
74	High performance three-dimensional Ge/cyclized-polyacrylonitrile thin film anodes prepared by RF magnetron sputtering for lithium ion batteries. Journal of Materials Science, 2014, 49, 2279-2285.	3.7	18
75	Rhombohedral NASICON-structured Li2NaV2(PO4)3 with single voltage plateau for superior lithium storage. RSC Advances, 2014, 4, 8627.	3.6	28
76	Mechano-chemical synthesis of nanostructured FePO₄/MWCNTs composites as cathode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 19536-19541.	10.3	16
77	Mesoporous NaTi₂(PO₄)₃/CMK-3 nanohybrid as anode for long-life Na-ion batteries. Journal of Materials Chemistry A, 2014, 2, 20659-20666.	10.3	99
78	Fabrication of porous carbon spheres for high-performance electrochemical capacitors. RSC Advances, 2014, 4, 7538.	3.6	83
79	High performance lithiumâ€“sulfur batteries: advances and challenges. Journal of Materials Chemistry A, 2014, 2, 12662-12676.	10.3	269
80	From biomolecule to Na₃V₂(PO₄)₃/nitrogen-decorated carbon hybrids: highly reversible cathodes for sodium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 18606-18612.	10.3	65
81	Highly enhanced lithium storage capability of LiNi_{0.5}Mn_{1.5}O₄ by coating with Li₂TiO₃ for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 18256-18262.	10.3	93
82	Synthesis of NASICON-type structured NaTi₂(PO₄)₃â€“graphene nanocomposite as an anode for aqueous rechargeable Na-ion batteries. Nanoscale, 2014, 6, 6328-6334.	5.6	152
83	Hierarchically Porous Carbon Encapsulating Sulfur as a Superior Cathode Material for High Performance Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2014, 6, 194-199.	8.0	152
84	Rational Design of Void-Involved Si@TiO₂ Nanospheres as High-Performance Anode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 6497-6503.	8.0	117
85	Prussian blue analogues: a new class of anode materials for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 5852-5857.	10.3	241
86	Synthesis of hydrogenated TiO₂â€“reduced-graphene oxide nanocomposites and their application in high rate lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 9150-9155.	10.3	35
87	Design of a Nitrogenâ€Doped, Carbonâ€Coated Li₄Ti₅O₁₂ Nanocomposite with a Coreâ€“Shell Structure and Its Application for Highâ€Rate Lithiumâ€Ion Batteries. ChemPlusChem, 2014, 79, 128-133.	2.8	32
88	A facile one-pot synthesis of TiO2/nitrogen-doped reduced graphene oxide nanocomposite as anode materials for high-rate lithium-ion batteries. Electrochimica Acta, 2014, 133, 209-216.	5.2	59
89	Mesoporous Li4Ti5O12/carbon nanofibers for high-rate lithium-ion batteries. Journal of Alloys and Compounds, 2014, 587, 171-176.	5.5	39
90	Porous Nitrogenâ€Doped Carbon Nanotubes Derived from Tubular Polypyrrole for Energyâ€Storage Applications. Chemistry - A European Journal, 2013, 19, 12306-12312.	3.3	162

#	Article	IF	Citations
91	Synthesis of nanostructured materials by using metal-cyanide coordination polymers and their lithium storage properties. Nanoscale, 2013, 5, 11087.	5.6	28
92	Advanced Energyâ€Storage Architectures Composed of Spinel Lithium Metal Oxide Nanocrystal on Carbon Textiles. Advanced Energy Materials, 2013, 3, 1484-1489.	19.5	109
93	Fabrication of a sandwich structured electrode for high-performance lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2013, 1, 14280.	10.3	40
94	Encapsulating Sulfur into Hierarchically Ordered Porous Carbon as a Highâ€Performance Cathode for Lithiumâ€“Sulfur Batteries. Chemistry - A European Journal, 2013, 19, 1013-1019.	3.3	212
95	Sulfur embedded in metal organic framework-derived hierarchically porous carbon nanoplates for high performance lithiumâ€“sulfur battery. Journal of Materials Chemistry A, 2013, 1, 4490.	10.3	266
96	Chemically tailoring the nanostructure of graphenenanosheets to confine sulfur for high-performance lithium-sulfur batteries. Journal of Materials Chemistry A, 2013, 1, 1096-1101.	10.3	180
97	Encapsulating sulfur into mesoporous TiO2 host as a high performance cathode for lithiumâ€“sulfur battery. Electrochimica Acta, 2013, 107, 78-84.	5.2	128
98	Nitrogen-doped carbon coated Li4Ti5O12 nanocomposite: Superior anode materials for rechargeable lithium ion batteries. Journal of Power Sources, 2013, 221, 122-127.	7.8	100
99	Preparation and Electrochemical Performance of Carbon Nanotubes/ Graphene Oxide/Sulfur Complex Cathode Material. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2013, 29, 546-552.	4.9	6
100	HIERARCHICAL Li4Ti5O12 MICROSPHERES AS A HIGH POWER ANODE MATERIAL FOR LITHIUM ION BATTERIES. Journal of Molecular and Engineering Materials, 2013, 01, 1340013.	1.8	0
101	Electrospun Hierarchical Li₄Ti_{4.95}Nb_{0.05}O₁₂/Carbon Composite Nanofibers for High Rate Lithium Ion Batteries. Journal of the Electrochemical Society, 2012, 159, A426-A430.	2.9	37
102	Flower-like LiMnPO4 hierarchical microstructures assembled from single-crystalline nanosheets for lithium-ion batteries. CrystEngComm, 2012, 14, 4284.	2.6	58
103	Three-Dimensional Coherent Titaniaâ€“Mesoporous Carbon Nanocomposite and Its Lithium-Ion Storage Properties. ACS Applied Materials & Interfaces, 2012, 4, 2985-2992.	8.0	84
104	Facile hydrothermal synthesis of single crystalline TiOF2 nanocubes and their phase transitions to TiO2 hollow nanocages as anode materials for lithium-ion battery. Electrochimica Acta, 2012, 62, 408-415.	5.2	54
105	Preparation and Electrochemical Lithium Storage of Titanium Dioxide@Multi-walled Carbon Nanotubes(TiO2@MWNTs) Nanocomposites. Acta Chimica Sinica, 2012, 70, 15.	1.4	2
106	Sol-Gel Synthesis and Electrochemical Performance of Porous LiMnPO₄/MWCNT Composites. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2011, 27, 2123-2128.	4.9	3