Shaohong Liu

List of Publications by Citations

Source: https://exaly.com/author-pdf/392316/shaohong-liu-publications-by-citations.pdf
Version: 2024-04-25

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.

51 papers	3,898 citations	26 h-index	57 g-index
57 ext. papers	4,469 ext. citations	10.7 avg, IF	5.42 L-index

#	Paper	IF	Citations
51	Enhancing lithium-sulphur battery performance by strongly binding the discharge products on amino-functionalized reduced graphene oxide. *Nature Communications*, **2014**, 5, 5002	17.4	792
50	Metal-Organic-Framework-Derived Hybrid Carbon Nanocages as a Bifunctional Electrocatalyst for Oxygen Reduction and Evolution. *Advanced Materials*, **2017**, 29, 1700874	24	518
49	Sustainable Synthesis and Assembly of Biomass-Derived B/N Co-Doped Carbon Nanosheets with Ultrahigh Aspect Ratio for High-Performance Supercapacitors. *Advanced Functional Materials*, **2016**, 26, 111-119	15.6	492
48	A flexible TiO(B)-based battery electrode with superior power rate and ultralong cycle life. *Advanced Materials*, **2013**, 25, 3462-7	24	274
47	Superhierarchical Cobalt-Embedded Nitrogen-Doped Porous Carbon Nanosheets as Two-in-One Hosts for High-Performance Lithium-Sulfur Batteries. *Advanced Materials*, **2018**, 30, e1706895	24	235
46	3D Porous N-Doped Graphene Frameworks Made of Interconnected Nanocages for Ultrahigh-Rate and Long-Life Li–O2 Batteries. *Advanced Functional Materials*, **2015**, 25, 6913-6920	15.6	209
45	Two-dimensional molecular brush-functionalized porous bilayer composite separators toward ultrastable high-current density lithium metal anodes. *Nature Communications*, **2019**, 10, 1363	17.4	170
44	Cobalt-embedded nitrogen-doped hollow carbon nanorods for synergistically immobilizing the discharge products in lithium–sulfur battery. *Energy Storage Materials*, **2016**, 5, 223-229	19.4	121
43	Sulfur-infiltrated graphene-backboned mesoporous carbon nanosheets with a conductive polymer coating for long-life lithium-sulfur batteries. *Nanoscale*, **2015**, 7, 7569-73	7.7	99
42	Micro-sized porous carbon spheres with ultra-high rate capability for lithium storage. *Nanoscale*, **2015**, 7, 1791-5	7.7	76
41	Free-standing, hierarchically porous carbon nanotube film as a binder-free electrode for high-energy Li–O2 batteries. *Journal of Materials Chemistry A*, **2013**, 1, 12033	13	71
40	Nitrogen-rich carbon coupled multifunctional metal oxide/graphene nanohybrids for long-life lithium storage and efficient oxygen reduction. *Nano Energy*, **2015**, 12, 578-587	17.1	66
39	Mechanochemistry: A Green, Activation-Free and Top-Down Strategy to High-Surface-Area Carbon Materials. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 8535-8540	8.3	65
38	Freeze-drying for sustainable synthesis of nitrogen doped porous carbon cryogel with enhanced supercapacitor and lithium ion storage performance. *Nanotechnology*, **2015**, 26, 374003	3.4	53
37	Nanonetwork-structured yolk-shell FeS2@C as high-performance cathode materials for Li-ion batteries. *Carbon*, **2018**, 140, 433-440	10.4	52
36	Self-templating synthesis of silicon nanorods from natural sepiolite for high-performance lithium-ion battery anodes. *Journal of Materials Chemistry A*, **2018**, 6, 6356-6362	13	51
35	Stepwise Crosslinking: A Facile Yet Versatile Conceptual Strategy to Nanomorphology-Persistent Porous Organic Polymers. *Advanced Materials*, **2017**, 29, 1700723	24	40

34	Towards efficient electrocatalysts for oxygen reduction by doping cobalt into graphene-supported graphitic carbon nitride. *Journal of Materials Chemistry A*, **2015**, 3, 19657-19661	13	40
33	Cobalt and nitrogen codoped ultrathin porous carbon nanosheets as bifunctional electrocatalysts for oxygen reduction and evolution. *Carbon*, **2019**, 141, 704-711	10.4	37
32	Compressible graphene aerogel supported CoO nanostructures as a binder-free electrode for high-performance lithium-ion batteries. *RSC Advances*, **2015**, 5, 8929-8932	3.7	31
31	In situ synthesis of a silicon flake/nitrogen-doped graphene-like carbon composite from organoclay for high-performance lithium-ion battery anodes. *Chemical Communications*, **2019**, 55, 2644-2647	5.8	30
30	Polystyrene sphere-mediated ultrathin graphene sheet-assembled frameworks for high-power density Li-O2 batteries. *Chemical Communications*, **2015**, 51, 13233-6	5.8	29
29	Tailor-made graphene aerogels with inbuilt baffle plates by charge-induced template-directed assembly for high-performance Li-S batteries. *Journal of Materials Chemistry A*, **2015**, 3, 21842-21848	13	29
28	Ultrafine Fe3O4 Quantum Dots on Hybrid Carbon Nanosheets for Long-Life, High-Rate Alkali-Metal Storage. *ChemElectroChem*, **2016**, 3, 38-44	4.3	29
27	Ultrathin Yet Robust Single Lithium-Ion Conducting Quasi-Solid-State Polymer-Brush Electrolytes Enable Ultralong-Life and Dendrite-Free Lithium-Metal Batteries. *Advanced Materials*, **2021**, 33, e2100943	24	28
26	Rational design of metal oxide hollow nanostructures decorated carbon nanosheets for superior lithium storage. *Journal of Materials Chemistry A*, **2016**, 4, 17718-17725	13	27
25	A simple self-assembly strategy for ultrahigh surface area nitrogen-doped porous carbon nanospheres with enhanced adsorption and energy storage performances. *Chemical Communications*, **2017**, 53, 6764-6767	5.8	26
24	Facile Fabrication of Bicomponent CoO/CoFe2O4-N-Doped Graphene Hybrids with Ultrahigh Lithium Storage Capacity. *Particle and Particle Systems Characterization*, **2015**, 32, 91-97	3.1	24
23	Polyaniline-Coated Activated Carbon Aerogel/Sulfur Composite for High-performance Lithium-Sulfur Battery. *Nanoscale Research Letters*, **2017**, 12, 617	5	15
22	Functional nanonetwork-structured polymers and carbons with silver nanoparticle yolks for antibacterial application. *Chemical Communications*, **2017**, 53, 9777-9780	5.8	14
21	A polymer brush-based robust and flexible single-ion conducting artificial SEI film for fast charging lithium metal batteries. *Energy Storage Materials*, **2021**, 41, 697-702	19.4	14
20	Synthesis of SiOx/C Composite Nanosheets As High-Rate and Stable Anode Materials for Lithium-Ion Batteries. *ACS Applied Energy Materials*, **2020**, 3, 3562-3568	6.1	12
19	FeS/FeNC decorated N,S-co-doped porous carbon for enhanced ORR activity in alkaline media. *Chemical Communications*, **2020**, 56, 12921-12924	5.8	11
18	A new supramolecular binder strongly enhancing the electrochemistry performance for lithium-sulfur batteries. *Chemical Communications*, **2019**, 55, 13924-13927	5.8	10
17	An interfacial crosslinking strategy to fabricate an ultrathin two-dimensional composite of silicon oxycarbide-enwrapped silicon nanoparticles for high-performance lithium storage. *Journal of Materials Chemistry A*, **2019**, 7, 22950-22957	13	8

16	Fabrication of Porous Nanonetwork-Structured Carbons from Well-Defined Cylindrical Molecular Bottlebrushes. *ACS Applied Materials & Interfaces*, **2019**, 11, 18763-18769	9.5	7
15	Fabrication of three-dimensionally nanostructured carbon materials with functional tube-in-tube network units for enhanced electrochemical performances. *Carbon*, **2019**, 151, 103-108	10.4	6
14	Morphology-Persistent Carbonization of Self-Assembled Block Copolymers for Multifunctional Coupled Two-Dimensional Porous Carbon Hybrids. *Chemistry of Materials*, **2020**, 32, 8971-8980	9.6	6
13	Molecular Level Design of Nitrogen-Doped Well-Defined Microporous Carbon Spheres for Selective Adsorption and Electrocatalysis. *ACS Applied Materials & Interfaces*, **2021**, 13, 12025-12032	9.5	6
12	Activation-free fabrication of high-surface-area porous carbon nanosheets from conjugated copolymers. *Chemical Communications*, **2018**, 54, 11431-11434	5.8	6
11	3D porous carbon networks with highly dispersed SiO by molecular-scale engineering toward stable lithium metal anodes. *Chemical Communications*, **2019**, 55, 6034-6037	5.8	5
10	Role of a Topotactic Electrochemical Reaction in a Perovskite-Type Anode for Lithium-Ion Batteries. *ChemElectroChem*, **2017**, 4, 2474-2479	4.3	5
9	Fabrication of Advanced Hierarchical Porous Polymer Nanosheets and Their Application in Lithium–Sulfur Batteries. *Macromolecules*, **2021**, 54, 2992-2999	5.5	5
8	A stepwise crosslinking strategy toward lamellar carbon frameworks with covalently connected alternate layers of porous carbon nanosheets and porous carbon spacers. *Chemical Communications* , **2018**, 54, 10332-10335	5.8	3
7	A Dual Component Catalytic System Composed of Non-Noble Metal Oxides for Li–O2 Batteries with Enhanced Cyclability. *Particle and Particle Systems Characterization*, **2016**, 33, 228-234	3.1	3
6	Molecular Engineering toward High-Crystallinity Yet High-Surface-Area Porous Carbon Nanosheets for Enhanced Electrocatalytic Oxygen Reduction. *Advanced Science*, **2021**, e2103477	13.6	2
5	A scalable molecular-templating strategy toward well-defined microporous carbon aerogels for efficient water treatment and electrocatalysis. *Chemical Engineering Journal*, **2021**, 418, 129315	14.7	2
4	Crosslinked Polymer-Brush Electrolytes: An Approach to Safe All-Solid-State Lithium Metal Batteries at Room Temperature. *Batteries and Supercaps*,	5.6	1
3	A versatile sea anemone-inspired strategy toward 2D hybrid porous carbons from functional molecular brushes. *Chemical Communications*, **2021**, 57, 1446-1449	5.8	1
2	CoS Nanoparticles Embedded in Covalent Organic Polymers as Efficient Electrocatalyst for Oxygen Evolution Reaction with Ultralow Overpotential. *Chemistry - an Asian Journal*, **2021**, 16, 3102-3106	4.5	1
1	Self-Supporting Electrocatalyst Film Based on Self-Assembly of Heterogeneous Bottlebrush and Polyoxometalate for Efficient Hydrogen Evolution Reaction.. *Macromolecular Rapid Communications*, **2022**, e2100915	4.8	0