

Suqin Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88
papers

2,449
citations

32
h-index

45
g-index

90
ext. papers

2,816
ext. citations

5.2
avg, IF

5.29
L-index

#	Paper	IF	Citations
88	Dual Substitution Strategy in Co-Free Layered Cathode Materials for Superior Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 18733-18742	9.5	6
87	Nitrogen-doped carbon with high graphitic-N exposure for electroreduction of CO ₂ to CO. <i>Ionics</i> , 2021 , 27, 3089-3098	2.7	3
86	Metal-organic framework-derived ultrasmall nitrogen-doped carbon-coated CoSe ₂ /ZnSe nanospheres as enhanced anode materials for sodium-ion batteries. <i>Ionics</i> , 2021 , 27, 3327-3337	2.7	2
85	ZnCl ₂ as a Nitrogen Bank to Inhibit Nitrogen Loss during the Thermal Conversion of Nitrogen-Containing Carbon Precursors to Nitrogen-Doped Carbon. <i>ACS Applied Energy Materials</i> , 2021 , 4, 5375-5380	6.1	4
84	Fe induction strategy for hollow porous N-doped carbon with superior performance in oxygen reduction. <i>Chemical Communications</i> , 2021 , 57, 7108-7111	5.8	4
83	Boosting the performance of positive electrolyte for VRFB by employing zwitterion molecule containing sulfonic and pyridine groups as the additive. <i>Ionics</i> , 2020 , 26, 3147-3159	2.7	4
82	Improving the rate performance of LiNi _{0.5} Mn _{0.5} O ₂ material at high voltages by Cu-doping. <i>Ionics</i> , 2020 , 26, 4969-4976	2.7	3
81	One-step electrodeposition of Ni _x Fe _{3-x} O ₄ /Ni hybrid nanosheet arrays as highly active and robust electrocatalysts for the oxygen evolution reaction. <i>Green Chemistry</i> , 2020 , 22, 1710-1719	10	11
80	Ultrasmall 2 D Co Zn (Benzimidazole) Metal-Organic Framework Nanosheets and their Derived Co Nanodots@Co,N-Codoped Graphene for Efficient Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2020 , 13, 1556-1567	8.3	22
79	Two-dimensional metal-organic frameworks and their derivatives for electrochemical energy storage and electrocatalysis. <i>Nanoscale Advances</i> , 2020 , 2, 536-562	5.1	57
78	Effect of Si doping on the structure and electrochemical performance of high-voltage LiNi _{0.5} Mn _{0.5} O ₂ cathode. <i>Ionics</i> , 2019 , 25, 5259-5267	2.7	1
77	Cage-confinement of gas-phase ferrocene in zeolitic imidazolate frameworks to synthesize high-loading and atomically dispersed Fe ^{II} codoped carbon for efficient oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16508-16515	13	50
76	Improving the performance of negative electrode for vanadium redox flow battery by decorating bismuth hydrogen edetate complex on carbon felt. <i>Ionics</i> , 2019 , 25, 4231-4241	2.7	8
75	Effects of Li ₂ TiO ₃ coating on the structure and the electrochemical properties of LiNi _{0.5} Mn _{0.5} O ₂ cathode materials at high voltages. <i>Ionics</i> , 2019 , 25, 399-410	2.7	9
74	Sub-20 nm Carbon Nanoparticles with Expanded Interlayer Spacing for High-Performance Potassium Storage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 930-939	9.5	46
73	Preparation of N-doped porous carbon coated MnO nanospheres through solvent-free in-situ growth of ZIF-8 on ZnMn ₂ O ₄ for high-performance lithium-ion battery anodes. <i>Electrochimica Acta</i> , 2018 , 266, 254-262	6.7	48
72	Plasma-Induced Oxygen Vacancies in Urchin-Like Anatase Titania Coated by Carbon for Excellent Sodium-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7031-7042	9.5	85

71	Improving the Electrochemical Performance of Ni-Rich LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ by Enlarging the Li Layer Spacing. <i>Energy Technology</i> , 2018 , 6, 1885-1893	3.5	19
70	High-yield bottom-up synthesis of 2D metal-organic frameworks and their derived ultrathin carbon nanosheets for energy storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2166-2175	13	178
69	Rationally designed MoS ₂ /protonated g-CN nanosheet composites as photocatalysts with an excellent synergistic effect toward photocatalytic degradation of organic pollutants. <i>Journal of Hazardous Materials</i> , 2018 , 347, 431-441	12.8	80
68	Hierarchical Co ₃ O ₄ @C hollow microspheres with high capacity as an anode material for lithium-ion batteries. <i>Ionics</i> , 2018 , 24, 3757-3769	2.7	12
67	Improving the rate performance and stability of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ in high voltage lithium-ion battery by using fluoroethylene carbonate as electrolyte additive. <i>Ionics</i> , 2018 , 24, 3337-3346	2.7	10
66	Zeolitic imidazolate framework-8-derived N-doped porous carbon coated olive-shaped FeOx nanoparticles for lithium storage. <i>Journal of Power Sources</i> , 2018 , 384, 187-195	8.9	24
65	Flower-like NiCo ₂ O ₄ from Ni-Co 1,3,5-benzenetricarboxylate metal organic framework tuned by graphene oxide for high-performance lithium storage. <i>Electrochimica Acta</i> , 2018 , 279, 152-160	6.7	22
64	Vertically aligned MnO ₂ nanosheets coupled with carbon nanosheets derived from Mn-MOF nanosheets for supercapacitor electrodes. <i>Journal of Materials Science</i> , 2018 , 53, 13111-13125	4.3	23
63	Fe-N _x Sites Enriched Carbon Micropolyhedrons Derived from Fe-Doped Zeolitic Imidazolate Frameworks with Reinforced Fe-N Coordination for Efficient Oxygen Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15624-15633	8.3	35
62	The multiple effects of Al-doping on the structure and electrochemical performance of LiNi _{0.5} Mn _{0.5} O ₂ as cathode material at high voltage. <i>Ionics</i> , 2018 , 24, 3705-3715	2.7	9
61	Phosphorus Doped Multi-Walled Carbon Nanotubes: An Excellent Electrocatalyst for the VO ₂ ⁺ /VO ₂ ⁺ Redox Reaction. <i>ChemElectroChem</i> , 2018 , 5, 2464-2474	4.3	6
60	Morphology-dependent electrochemical performance of Ni-1,3,5-benzenetricarboxylate metal-organic frameworks as an anode material for Li-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2018 , 530, 127-136	9.3	66
59	MOF-derived carbon coating on self-supported ZnCo ₂ O ₄ /ZnO nanorod arrays as high-performance anode for lithium-ion batteries. <i>Journal of Materials Science</i> , 2017 , 52, 7768-7780	4.3	27
58	One-Step Electrodeposition of Nanocrystalline ZnCoO Films with High Activity and Stability for Electrocatalytic Oxygen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 17186-17194	9.5	36
57	Solvent-free synthesis of N-doped carbon coated ZnO nanorods composite anode via a ZnO support-induced ZIF-8 in-situ growth strategy. <i>Electrochimica Acta</i> , 2017 , 250, 292-301	6.7	34
56	Ordered porous Mn ₃ O ₄ @N-doped carbon/graphene hybrids derived from metal-organic frameworks for supercapacitor electrodes. <i>Journal of Materials Science</i> , 2017 , 52, 446-457	4.3	35
55	Graphene supported nitrogen-doped porous carbon nanosheets derived from zeolitic imidazolate framework for high performance supercapacitors. <i>RSC Advances</i> , 2016 , 6, 78947-78953	3.7	20
54	Co ₃ O ₄ Nanoparticles-Modified MnO ₂ Nanorods Supported on Reduced Graphene Oxide as Cathode Catalyst for Oxygen Reduction Reaction in Alkaline Media. <i>Nano</i> , 2016 , 11, 1650126	1.1	18

53	Chemical deposition of MnO ₂ nanosheets on graphene-carbon nanofiber paper as free-standing and flexible electrode for supercapacitors. <i>Ionics</i> , 2016 , 22, 1185-1195	2.7	25
52	Synthesis of MnO ₂ film on FTO glass with high electrochemical performance. <i>Ionics</i> , 2016 , 22, 637-647	2.7	16
51	Surface modification of InVO ₄ nanoparticles on WO ₃ plate array films for improved photoelectrochemical performance. <i>RSC Advances</i> , 2016 , 6, 53393-53399	3.7	6
50	Preparation of a novel flower-like MnO ₂ /BiOI composite with highly enhanced adsorption and photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 45646-45653	3.7	23
49	Novel aligned sodium vanadate nanowire arrays for high-performance lithium-ion battery electrodes. <i>RSC Advances</i> , 2015 , 5, 42955-42960	3.7	23
48	Effects of pyridine carboxylic acid on the positive electrolyte for vanadium redox flow battery. <i>Ionics</i> , 2015 , 21, 167-174	2.7	14
47	Long-lived Aqueous Rechargeable Lithium Batteries Using Mesoporous LiTi ₂ (PO ₄) ₃ @C Anode. <i>Scientific Reports</i> , 2015 , 5, 17452	4.9	40
46	Advanced aqueous rechargeable lithium battery using nanoparticulate LiTi ₂ (PO ₄) ₃ /C as a superior anode. <i>Scientific Reports</i> , 2015 , 5, 10733	4.9	43
45	Photovoltaic performance of long-chain poly(triphenylamine-phenothiazine) dyes with a tunable bridge for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14217-14227	13	34
44	Effects of nitrogen doping on the electrochemical performance of graphite felts for vanadium redox flow batteries. <i>International Journal of Energy Research</i> , 2015 , 39, 709-716	4.5	54
43	Synthesis and electrochemical properties of NaV ₃ O ₈ nanoflakes as high-performance cathode for Li-ion battery. <i>RSC Advances</i> , 2014 , 4, 8328	3.7	33
42	Study of the electrochemical performance of VO ₂ ⁺ /VO ₂ + redox couple in sulfamic acid for vanadium redox flow battery. <i>Ionics</i> , 2014 , 20, 949-955	2.7	10
41	MnO nanorods on graphene as an anode material for high capacity lithium ion batteries. <i>Journal of Materials Science</i> , 2014 , 49, 1861-1867	4.3	36
40	Effect of In ³⁺ ions on the electrochemical performance of the positive electrolyte for vanadium redox flow batteries. <i>Ionics</i> , 2013 , 19, 1915-1920	2.7	22
39	Carbon paper modified by hydrothermal ammoniated treatment for vanadium redox battery. <i>Ionics</i> , 2013 , 19, 1021-1026	2.7	23
38	Carbon nanofibers grown on the surface of graphite felt by chemical vapour deposition for vanadium redox flow batteries. <i>RSC Advances</i> , 2013 , 3, 19774	3.7	34
37	Synthesis of carbon-coated Fe ₃ O ₄ nanorods as electrode material for supercapacitor. <i>Ionics</i> , 2013 , 19, 1255-1261	2.7	54
36	Study of carbon surface-modified Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ for high-capacity lithium ion battery cathode. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 1067-1075	2.6	37

35	Influence of acetated-based and bromo-based ionic liquids treatment on wool dyeing with acid blue 7. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 3283-3291	2.9	3
34	Hydrothermal ammoniated treatment of PAN-graphite felt for vanadium redox flow battery. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 579-585	2.6	116
33	Electrochemical properties of freestanding TiO ₂ nanotube membranes annealed in Ar for lithium anode material. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 723-729	2.6	20
32	Synthesis and electrochemical properties of K-doped LiFePO ₄ /C composite as cathode material for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 767-773	2.6	34
31	Facile and green synthesis of Co ₃ O ₄ nanoplates/graphene nanosheets composite for supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 3593-3602	2.6	78
30	Synthesis of LiV ₃ O ₈ nanosheets as a high-rate cathode material for rechargeable lithium batteries. <i>CrystEngComm</i> , 2012 , 14, 2831	3.3	42
29	Ultrathin Na _{1.08} V ₃ O ₈ nanosheets—novel cathode material with superior rate capability and cycling stability for Li-ion batteries. <i>Energy and Environmental Science</i> , 2012 , 5, 6173	35.4	82
28	Electrochemical reduction of benzoyl chloride to benzil in ionic liquid BMIMBF ₄ . <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 506-510	2.1	5
27	Synthesis and characterization of macroporous Li ₃ V ₂ (PO ₄) ₃ /C composites as cathode materials for Li-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 937-944	2.6	18
26	Fabrication parameter-dependent morphologies of self-organized ZrO ₂ nanotubes during anodization. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1219-1228	2.6	17
25	Nafion/TiO ₂ hybrid membrane fabricated via hydrothermal method for vanadium redox battery. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1577-1584	2.6	80
24	A novel Et ₄ NBF ₄ and LiPF ₆ blend salts electrolyte for supercapacitor battery. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1631-1634	2.6	9
23	Sulfonated poly(phthalazinone ether sulfone) membrane as a separator of vanadium redox flow battery. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 2169-2177	2.6	29
22	Synthesis of LiV ₂ O ₅ nanorods as a high-performance cathode for Li ion battery. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 2555-2561	2.6	36
21	Meso-macroporous Co ₃ O ₄ electrode prepared by polystyrene spheres and carbowax templates for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 587-592	2.6	41
20	The effect of solid electrolyte interface formation conditions on the aging performance of Li-ion cells. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 1987-1995	2.6	20
19	Synthesis of poly(propylene-co-lactide carbonate) and hydrolysis of the terpolymer. <i>Polymer Bulletin</i> , 2011 , 66, 327-340	2.4	24
18	Preparation and properties of poly(propylene carbonate maleate) microcapsules for controlled release of pazufloxacin mesilate. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 3248-3254	2.9	8

17	Freestanding ZrO ₂ nanotube membranes made by anodic oxidation and effect of heat treatment on their morphology and crystalline structure. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4989		35
16	High-capacity hydrogen storage medium: Ti doped fullerene. <i>Applied Physics Letters</i> , 2011 , 98, 023107	3-4	43
15	RuO ₂ /Co ₃ O ₄ thin films prepared by spray pyrolysis technique for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2010 , 14, 1205-1211	2-6	26
14	Electrochemical characteristics of amorphous MgTi _x Ni (x = 0, 0.1, and 0.2) hydrogen storage alloys. <i>Rare Metals</i> , 2010 , 29, 486-490	5-5	
13	The electrochemical properties of MgNi _x wt% TiNi _{0.56} Co _{0.44} (x = 0, 10, 30, 50) composite alloys. <i>Journal of Materials Science</i> , 2010 , 45, 1123-1129	4-3	13
12	Effects of metal oxides addition on the electrochemical performance of M ₁ Ni _{3.5} Co _{0.6} Mn _{0.4} Al _{0.5} hydrogen storage alloy. <i>Journal of Materials Science</i> , 2009 , 44, 4460-4465	4-3	6
11	Preparation and electrochemical performance of spherical Fe ₃ O ₄ as anode materials for Li-ion batteries. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 3219-3223		7
10	Influences of Ti substitution on the structure and electrochemical properties of Mg _{1-x} Ti _x Ni (x = 0, 0.1, 0.2, and 0.3) hydrogen storage alloys. <i>Rare Metals</i> , 2009 , 28, 504-510	5-5	
9	Rapid Reaction-Diffusion Model for the Enantioseparation of Phenylalanine across Hollow Fiber Supported Liquid Membrane. <i>Separation Science and Technology</i> , 2008 , 43, 259-272	2-5	21
8	Molecular simulation of structure and loading-drug character of poly(propylene-co-ε-caprolactone carbonate). <i>Journal of Applied Polymer Science</i> , 2008 , 107, 872-880	2-9	3
7	Liposome Electrokinetic Chromatography: An in vitro Approach for Predicting Ecotoxicity. <i>Chromatographia</i> , 2008 , 67, 407-412	2-1	8
6	Preparation of poly(butylene-co-ε-caprolactone carbonate) and their use as drug carriers for a controlled delivery system. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 2152-2160	2-5	17
5	Preparation of carbon dioxide/propylene oxide/ε-caprolactone copolymers and their drug release behaviors. <i>Polymer Bulletin</i> , 2007 , 59, 117-125	2-4	13
4	Terpolymerization of Carbon Dioxide with Propylene Oxide and ε-Caprolactone: Synthesis, Characterization and Biodegradability. <i>Polymer Bulletin</i> , 2006 , 56, 53-62	2-4	35
3	Domain-Confined Etching Strategy to Regulate Defective Sites in Carbon for High-Efficiency Electrocatalytic Oxygen Reduction. <i>Advanced Functional Materials</i> , 2111396	15-6	2
2	Insight into the Mechanism of Axial Ligands Regulating the Catalytic Activity of Fe ^{II} 4 Sites for Oxygen Reduction Reaction. <i>Advanced Energy Materials</i> , 2103588	21-8	12
1	Electron-Deficient Sites for Improving V ²⁺ /V ³⁺ Redox Kinetics in Vanadium Redox Flow Batteries. <i>Advanced Functional Materials</i> , 2111661	15-6	0