

Junshen Li

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2043202/junshen-li-publications-by-citations.pdf>

Version: 2024-04-28

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.

93
papers

2,442
citations

26
h-index

46
g-index

99
ext. papers

3,070
ext. citations

6.6
avg, IF

5.24
L-index

#	Paper	IF	Citations
93	Advanced Separators for Lithium-Ion and Lithium-Sulfur Batteries: A Review of Recent Progress. <i>ChemSusChem</i> , 2016 , 9, 3023-3039	8.3	220
92	UV-triggered dopamine polymerization: control of polymerization, surface coating, and photopatterning. <i>Advanced Materials</i> , 2014 , 26, 8029-33	24	208
91	Slippery liquid-infused porous surfaces showing marine antibiofouling properties. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10074-80	9.5	206
90	Hydrophobic liquid-infused porous polymer surfaces for antibacterial applications. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6704-11	9.5	150
89	Surface Patterning via Thiol-Yne Click Chemistry: An Extremely Fast and Versatile Approach to Superhydrophilic-Superhydrophobic Micropatterns. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400269	4.6	104
88	Slippery Lubricant-Infused Surfaces: Properties and Emerging Applications. <i>Advanced Functional Materials</i> , 2019 , 29, 1802317	15.6	91
87	Reactive superhydrophobic surface and its photoinduced disulfide-ene and thiol-ene (bio)functionalization. <i>Nano Letters</i> , 2015 , 15, 675-81	11.5	73
86	Reversible and Rewritable Surface Functionalization and Patterning via Photodynamic Disulfide Exchange. <i>Advanced Materials</i> , 2015 , 27, 4997-5001	24	51
85	Durable and high performance Nafion membrane prepared through high-temperature annealing methodology. <i>Journal of Membrane Science</i> , 2010 , 361, 38-42	9.6	51
84	Interfacing soluble polysulfides with a SnO ₂ functionalized separator: An efficient approach for improving performance of Li-S battery. <i>Journal of Membrane Science</i> , 2018 , 563, 380-387	9.6	45
83	Air-stable red phosphorus anode for potassium/sodium-ion batteries enabled through dual-protection design. <i>Nano Energy</i> , 2020 , 69, 104451	17.1	42
82	Three-dimensional ordered phosphotungstic acid/TiO ₂ with superior catalytic activity for oxidative desulfurization. <i>Fuel</i> , 2018 , 226, 148-155	7.1	41
81	Suppressed polysulfide shuttling and improved Li ⁺ transport in Li S batteries enabled by NbN modified PP separator. <i>Journal of Power Sources</i> , 2019 , 423, 98-105	8.9	39
80	Physically stable and high performance Aquivion/ePTFE composite membrane for high temperature fuel cell application. <i>Journal of Membrane Science</i> , 2013 , 442, 65-71	9.6	39
79	Nitrogen and sulfur co-doped carbon with three-dimensional ordered macroporosity: An efficient metal-free oxygen reduction catalyst derived from ionic liquid. <i>Journal of Power Sources</i> , 2016 , 323, 90-96	8.9	39
78	The application of thermal analysis, XRD and SEM to study the hydration behavior of tricalcium silicate in the presence of a polycarboxylate superplasticizer. <i>Thermochimica Acta</i> , 2015 , 613, 54-60	2.9	37
77	Bio-inspired strategy for controlled dopamine polymerization in basic solutions. <i>Polymer Chemistry</i> , 2017 , 8, 2145-2151	4.9	34

76	Recent Advances in Oxygen Electrocatalysts Based on Perovskite Oxides. <i>Nanomaterials</i> , 2019 , 9,	5.4	33
75	Reduced graphene-oxide/highly ordered mesoporous SiO _x hybrid material as an anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2018 , 273, 26-33	6.7	32
74	 Derived Co-N-C Nanowire Network as an Advanced Reversible Oxygen Electrocatalyst for Rechargeable Zinc-Air Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 1060-1068	6.1	31
73	Synthesis of ordered meso/macroporous H ₃ PW ₁₂ O ₄₀ /SiO ₂ and its catalytic performance in oxidative desulfurization. <i>RSC Advances</i> , 2016 , 6, 53860-53866	3.7	29
72	SnO ₂ Functionalized Polyethylene Separator with Enhanced Thermal Stability for High Performance Lithium Ion Battery. <i>ChemistrySelect</i> , 2018 , 3, 911-916	1.8	28
71	3D Coral-like LLZO/PVDF Composite Electrolytes with Enhanced Ionic Conductivity and Mechanical Flexibility for Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 52652-52659	9.5	28
70	Integrated 3D electrodes based on metal-nitrogen-doped graphitic ordered mesoporous carbon and carbon paper for high-loading lithium-sulfur batteries. <i>Nano Energy</i> , 2020 , 73, 104763	17.1	27
69	A single-step fabrication of CoTe ₂ nanofilm electrode toward efficient overall water splitting. <i>Electrochimica Acta</i> , 2019 , 307, 451-458	6.7	26
68	Evaporation-induced formation of hollow bismuth@N-doped carbon nanorods for enhanced electrochemical potassium storage. <i>Applied Surface Science</i> , 2020 , 514, 145947	6.7	26
67	Hydrogen crossover through perfluorosulfonic acid membranes with variable side chains and its influence in fuel cell lifetime. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 15989-15995	6.7	26
66	Highly efficient deep desulfurization of fuels by meso/macroporous H ₃ PW ₁₂ O ₄₀ /TiO ₂ at room temperature. <i>Materials Research Bulletin</i> , 2018 , 105, 210-219	5.1	26
65	Approaching high temperature performance for proton exchange membrane fuel cells with 3D ordered silica/Cs _{2.5} H _{0.5} PW ₁₂ O ₄₀ electrolytes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 753-760	13	25
64	A synergistic modification of polypropylene separator toward stable lithium-sulfur battery. <i>Journal of Membrane Science</i> , 2020 , 597, 117646	9.6	25
63	Porous poly(2-octyl cyanoacrylate): a facile one-step preparation of superhydrophobic coatings on different substrates. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1026-1029	13	24
62	Direct synthesis of ordered meso/macrostructured phosphotungstic acid/SiO ₂ by EISA method and its catalytic performance of fuel oil. <i>Materials Research Bulletin</i> , 2018 , 97, 42-48	5.1	23
61	Direct UV-induced functionalization of surface hydroxy groups by thiol-ol chemistry. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3835-9	16.4	23
60	Controlled carbon coating of Fe ₂ O ₃ nanotube with tannic acid: A bio-inspired approach toward high performance lithium-ion battery anode. <i>Journal of Alloys and Compounds</i> , 2017 , 719, 347-352	5.7	20
59	An efficient bifunctional electrocatalyst derived from layer-by-layer self-assembly of a three-dimensional porous Co-N-C@graphene. <i>Science Bulletin</i> , 2019 , 64, 968-975	10.6	20

58	Electrospun Polyethylene Terephthalate Nonwoven Reinforced Polypropylene Separator: Scalable Synthesis and Its Lithium Ion Battery Performance. <i>Polymers</i> , 2018 , 10,	4.5	20
57	Facile fabrication of Pt/Ni alloy nanoparticles supported on reduced graphene oxide as excellent electrocatalysts for hydrogen evolution reaction in alkaline environment. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	20
56	Self-assembly synthesis of a unique stable cocoon-like hematite @C nanoparticle and its application in lithium ion batteries. <i>Journal of Colloid and Interface Science</i> , 2017 , 495, 157-167	9.3	19
55	Size-dependent electrochemical nitrogen reduction catalyzed by monodisperse Au nanoparticles. <i>Electrochimica Acta</i> , 2020 , 335, 135708	6.7	19
54	Oxidation Desulfurization of Fuels by Using Amphiphilic Hierarchically Meso/Macroporous Phosphotungstic Acid/SiO ₂ Catalysts. <i>Catalysis Letters</i> , 2018 , 148, 1100-1109	2.8	19
53	Confining nano-sized platinum in nitrogen doped ordered mesoporous carbon: An effective approach toward efficient and robust hydrogen evolution electrocatalyst. <i>Journal of Colloid and Interface Science</i> , 2018 , 530, 595-602	9.3	19
52	Self-assembled meso/macroporous phosphotungstic acid/TiO ₂ as an efficient catalyst for oxidative desulfurization of fuels. <i>Journal of Porous Materials</i> , 2017 , 24, 531-539	2.4	18
51	Formation of a polymer surface with a gradient of pore size using a microfluidic chip. <i>Langmuir</i> , 2013 , 29, 3797-804	4	17
50	Synthesis of carbon-SiO ₂ hybrid layer @ SiO ₂ @ CNT coaxial nanotube and its application in lithium storage. <i>Electrochimica Acta</i> , 2020 , 354, 136726	6.7	17
49	Improving catalytic activity of metal telluride by hybridization: An efficient Ni ₃ Te ₂ -CoTe composite electrocatalyst for oxygen evolution reaction. <i>Applied Surface Science</i> , 2019 , 490, 516-521	6.7	16
48	Cellulose-based material in lithium-sulfur batteries: A review. <i>Carbohydrate Polymers</i> , 2021 , 255, 117469	10.3	16
47	Lithium ion supercapacitor composed by Si-based anode and hierarchal porous carbon cathode with super long cycle life. <i>Applied Surface Science</i> , 2019 , 463, 879-888	6.7	15
46	Highly ordered 3D macroporous scaffold supported Pt/C oxygen electrodes with superior gas-proton transportation properties and activities for fuel cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15001-15007	13	14
45	Self-assembled 3DOM macro-/mesoporous TiO ₂ photoanode for dye-sensitized solar cells. <i>Applied Surface Science</i> , 2018 , 439, 1026-1033	6.7	14
44	Fe and N Co-doped Carbons Derived from an Ionic Liquid as Active Bifunctional Oxygen Catalysts. <i>ChemElectroChem</i> , 2017 , 4, 1148-1153	4.3	13
43	Electrochemical Hydrogen Storage in Facile Synthesized Co@N-Doped Carbon Nanoparticle Composites. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41332-41338	9.5	13
42	Hierarchical ordered meso/macroporous H ₃ PW ₁₂ O ₄₀ /SiO ₂ catalysts with superior oxidative desulfurization activity. <i>Journal of Porous Materials</i> , 2018 , 25, 727-734	2.4	12
41	Oxidative desulfurization of fuels at room temperature using ordered meso/macroporous H ₃ PW ₁₂ O ₄₀ /SiO ₂ catalyst with high specific surface areas. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 2649-2658	5.9	12

40	Multifunctional Polypropylene Separator via Cooperative Modification and Its Application in the Lithium-Sulfur Battery. <i>Langmuir</i> , 2020 , 36, 11147-11153	4	11
39	Self-assembled N-doped carbon with a tube-in-tube nanostructure for lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2020 , 559, 244-253	9.3	11
38	Polymer carriers for controlled fragrance release. <i>Materials Research Express</i> , 2020 , 7, 082001	1.7	10
37	Activating the hydrogen evolution activity of Pt electrode via synergistic interaction with NiS. <i>Journal of Colloid and Interface Science</i> , 2021 , 582, 591-597	9.3	10
36	Improving the Electrochemical Performance of Polypropylene Separator through Instantaneous Photo-Induced Functionalization. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A1909-A1914	3.9	9
35	Facile Synthesis of Fe C@Graphene Hybrid Nanorods as an Efficient and Robust Catalyst for Oxygen Reduction Reaction. <i>ChemPlusChem</i> , 2016 , 81, 646-651	2.8	9
34	Electrochemical hydrogen storage in a nitrogen-doped uniformed microporous carbon. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 14096-14102	6.7	9
33	Synthesis of MOF-74-derived carbon/ZnCo ₂ O ₄ nanoparticles@CNT-nest hybrid material and its application in lithium ion batteries. <i>Journal of Applied Electrochemistry</i> , 2019 , 49, 1103-1112	2.6	8
32	A Bioinspired Functionalization of Polypropylene Separator for Lithium-Sulfur Battery. <i>Polymers</i> , 2019 , 11,	4.5	8
31	Fe and N co-doped carbon with three-dimensional ordered macropores and ordered mesopores as an efficient tri-iodide reduction catalyst for dye sensitized solar cell. <i>Journal of Alloys and Compounds</i> , 2018 , 742, 641-647	5.7	8
30	Three-dimensional ordered macroporous HPW/titania/Alumina catalysts for catalytic oxidative desulfurization of fuels. <i>Journal of Porous Materials</i> , 2019 , 26, 133-144	2.4	8
29	Direct three-dimensional imaging of polymer-water interfaces by nanoscale hard X-ray phase tomography. <i>Soft Matter</i> , 2014 , 10, 2982-90	3.6	8
28	Morphology change of biaxially oriented polytetrafluoroethylene membranes caused by solvent soakage. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 1464-1468	2.9	8
27	Electrochemical hydrogen storage in iron nitrogen dual-doped ordered mesoporous carbon. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 7326-7336	6.7	8
26	Nanostructure-based proton exchange membrane for fuel cell applications at high temperature. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 1181-93	1.3	7
25	Collaborative Action of Surface Chemistry and Topography in the Regulation of Mesenchymal and Epithelial Markers and the Shape of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 28554-28565	9.5	7
24	POSS-Derived Synthesis and Full Life Structural Analysis of Si@C as Anode Material in Lithium Ion Battery. <i>Polymers</i> , 2019 , 11,	4.5	6
23	Ionic liquid-based 3DOM meso/macroporous Mo/TiO ₂ materials with superior oxidation desulfurization performance at room temperature. <i>Materials Research Bulletin</i> , 2020 , 126, 110849	5.1	6

22	Performances of Platinum and nitrogen Dual-Doped Ordered Mesoporous Carbon as Sulfur Host for Li-S Battery. <i>International Journal of Electrochemical Science</i> , 2018 , 11294-11322	2.2	6
21	Tuning the Intrinsic Activity and Electrochemical Surface Area of MoS via Tiny Zn Doping: Toward an Efficient Hydrogen Evolution Reaction (HER) Catalyst. <i>Chemistry - A European Journal</i> , 2021 , 27, 15992-15999	4.8	6
20	Three-dimensionally Ordered Macroporous Phosphotungstic Acid/SiO ₂ for Efficient Catalytic Oxidative Desulfurization. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018 , 33, 849-854	1	4
19	Formation of thin layer graphite wrapped meso-porous SiO _x and its lithium storage application. <i>Ceramics International</i> , 2019 , 45, 24707-24716	5.1	4
18	In Situ Fabrication of Porous MOF/COF Hybrid Photocatalysts for Visible-Light-Driven Hydrogen Evolution.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 59915-59924	9.5	4
17	A hybrid supercapacitor constructed by graphene wrapped ordered meso-porous Si based electrode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 576, 15-21	5.1	3
16	Thermal Triggered Release of Menthol from Different Carriers: A Comparative Study. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1677	2.6	3
15	Adsorptive Behavior of Methyl Blue on Graphene Aerogel: A Mechanism Study. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021 , 36, 239-242	1	3
14	Catalyst-Support interactions enhanced electrochemical nitrogen reduction on Au/ZrO ₂ . <i>Electrochimica Acta</i> , 2021 , 381, 138222	6.7	3
13	(Co _{0.96} Fe _{0.06}) ₃ O ₄ Nanoparticles Embedded Porous Hollow Carbon Nanowire Derived from Co-based metal-organic Frameworks and Its Capacitive Behavior. <i>International Journal of Electrochemical Science</i> , 2016 , 9216-9227	2.2	3
12	Ordered Iron- and Nitrogen-Doped Carbon Framework as a Carbon Monoxide-Tolerant Alkaline Anion-Exchange Membrane Fuel Cell Catalyst. <i>Energy Technology</i> , 2018 , 6, 1003-1010	3.5	3
11	Rational design of perfluorinated sulfonic acid ionic sieve modified separator for high-performance Li-S battery. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 771-779	2.6	2
10	The impacts of nitrogen doping on the electrochemical hydrogen storage in a carbon. <i>International Journal of Energy Research</i> , 2021 , 45, 9326-9339	4.5	2
9	Hydrogen ion supercapacitor cell construction and rational design of cell structure. <i>International Journal of Energy Research</i> , 2019 , 43, 8439	4.5	1
8	Solid-state fabrication of CNT-threaded Fe _{1-x} S@N-doped carbon composite as high-rate anodes for sodium-ion batteries and hybrid capacitors. <i>Journal of Alloys and Compounds</i> , 2021 , 869, 159303	5.7	1
7	Efficient removal of Congo red with graphene aerogel derived from recycled anode of lithium-ion battery. <i>International Journal of Environmental Science and Technology</i> , 2021 , 18, 3995	3.3	1
6	An active oxygen reduction electrocatalyst derived from bio-inspired tannic acid-Fe assembly. <i>Materials Research Express</i> , 2018 , 5, 095505	1.7	1
5	Heat Triggered Release Behavior of Eugenol from Tobacco Leaf. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8642	2.6	1

4	Host-guest interactions promoted formation of Fe-N active site toward efficient oxygen reduction reaction catalysis.. <i>Journal of Colloid and Interface Science</i> , 2022 , 621, 195-204	9.3	1
3	Simultaneously suppressing the dendritic lithium growth and polysulfides migration by a polyethyleneimine grafted bacterial cellulose membrane in lithium-sulfur batteries. <i>Applied Surface Science</i> , 2022 , 153683	6.7	0
2	Microfluidic Chip for Generating Gradient Polymer Films for Biological Applications. <i>Procedia Engineering</i> , 2012 , 47, 458-461		
1	A Novel Tri-Layer Cellulose-Based Membrane for the Capture and Analysis of Mainstream Smoke of Tobacco. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4196	2.6	