

Songmei Li

List of Publications by Year in descending order

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81
papers

3,385
citations

159358

30
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143772

57
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81
docs citations

81
times ranked

5365
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Zinc-Ion Conductor Interface toward High-Rate and Stable Zinc Metal Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100186.	10.2	223
2	Vertically Aligned Sulfur-Graphene Nanowalls on Substrates for Ultrafast Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2015, 15, 3073-3079.	4.5	183
3	Flexible Ti ₃ C ₂ MXene-lithium film with lamellar structure for ultrastable metallic lithium anodes. <i>Nano Energy</i> , 2017, 39, 654-661.	8.2	163
4	Conversion of non-van der Waals solids to 2D transition-metal chalcogenides. <i>Nature</i> , 2020, 577, 492-496.	13.7	145
5	Dendrite-Free Metallic Lithium in Lithiophilic Carbonized Metal-Organic Frameworks. <i>Advanced Energy Materials</i> , 2018, 8, 1703505.	10.2	144
6	Polyhedral-Like NiMn-Layered Double Hydroxide/Porous Carbon as Electrode for Enhanced Electrochemical Performance Supercapacitors. <i>Small</i> , 2017, 13, 1702616.	5.2	140
7	Selective Etching Quaternary MAX Phase toward Single Atom Copper Immobilized MXene (Ti ₃ C ₂ Cl _x) for Efficient CO ₂ Electroreduction to Methanol. <i>ACS Nano</i> , 2021, 15, 4927-4936.	7.3	139
8	Homogeneous guiding deposition of sodium through main group II metals toward dendrite-free sodium anodes. <i>Science Advances</i> , 2019, 5, eaau6264.	4.7	130
9	Polyaniline-Grafted Graphene Hybrid with Amide Groups and Its Use in Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19699-19708.	1.5	124
10	From Commercial Sponge Toward 3D Graphene-Silicon Networks for Superior Lithium Storage. <i>Advanced Energy Materials</i> , 2015, 5, 1500289.	10.2	114
11	In situ one-step synthesis of CoFe ₂ O ₄ /graphene nanocomposites as high-performance anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014, 129, 33-39.	2.6	113
12	A new configured lithiated silicon-sulfur battery built on 3D graphene with superior electrochemical performances. <i>Energy and Environmental Science</i> , 2016, 9, 2025-2030.	15.6	98
13	NiCo ₂ S ₄ nanotube arrays grown on flexible nitrogen-doped carbon foams as three-dimensional binder-free integrated anodes for high-performance lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4505-4512.	1.3	90
14	Gradient-Distributed Nucleation Seeds on Conductive Host for a Dendrite-Free and High-Rate Lithium Metal Anode. <i>Small</i> , 2019, 15, e1903520.	5.2	83
15	Hierarchical NiMoO ₄ nanowire arrays supported on macroporous graphene foam as binder-free 3D anodes for high-performance lithium storage. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 908-915.	1.3	82
16	Lignin-derived electrochemical energy materials and systems. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, 650-672.	1.9	73
17	Integration of network-like porous NiMoO ₄ nanoarchitectures assembled with ultrathin mesoporous nanosheets on three-dimensional graphene foam for highly reversible lithium storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13691-13698.	5.2	72
18	Biomass chitin-derived honeycomb-like nitrogen-doped carbon/graphene nanosheet networks for applications in efficient oxygen reduction and robust lithium storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11789-11799.	5.2	71

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19	Fabrication of inhibitor anion-intercalated layered double hydroxide host films on aluminum alloy 2024 and their anticorrosion properties. <i>Journal of Coatings Technology Research</i> , 2015, 12, 293-302.	1.2	57
20	Preparation and evaluation of the microwave absorption properties of template-free graphene foam-supported Ni nanoparticles. <i>RSC Advances</i> , 2017, 7, 14733-14741.	1.7	56
21	Hydrothermal synthesis of NiCo ₂ O ₄ nanowires/nitrogen-doped graphene for high-performance supercapacitor. <i>Applied Surface Science</i> , 2014, 314, 1000-1006.	3.1	55
22	Self-assembly of ultrathin mesoporous CoMoO ₄ nanosheet networks on flexible carbon fabric as a binder-free anode for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2016, 40, 2259-2267.	1.4	51
23	From biomass chitin to mesoporous nanosheets assembled loofa sponge-like N-doped carbon/g-C ₃ N ₄ 3D network architectures as ultralow-cost bifunctional oxygen catalysts. <i>Microporous and Mesoporous Materials</i> , 2017, 240, 216-226.	2.2	51
24	Continuously 3D printed quantum dot-based electrodes for lithium storage with ultrahigh capacities. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19960-19966.	5.2	49
25	A facile approach to superhydrophobic LiAl-layered double hydroxide film on Al-Li alloy substrate. <i>Journal of Coatings Technology Research</i> , 2015, 12, 595-601.	1.2	47
26	In situ template synthesis of hollow nanospheres assembled from NiCo ₂ S ₄ @C ultrathin nanosheets with high electrochemical activities for lithium storage and ORR catalysis. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11554-11562.	1.3	47
27	An artificial TiO ₂ /lithium nitro-butoxide hybrid SEI layer with facilitated lithium-ion transportation ability for stable lithium anodes. <i>Nanoscale</i> , 2019, 11, 2194-2201.	2.8	43
28	Mesoporous Hybrid Electrolyte for Simultaneously Inhibiting Lithium Dendrites and Polysulfide Shuttle in Li-S Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703124.	10.2	42
29	Ultralight Interconnected Graphene-Amorphous Carbon Hierarchical Foam with Mechanical Resiliency for High Sensitivity and Durable Strain Sensors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27127-27134.	4.0	41
30	High-Throughput Production of 1T MoS ₂ Monolayers Based on Controllable Conversion of Mo-Based MXenes. <i>ACS Nano</i> , 2021, 15, 19275-19283.	7.3	32
31	Electrophoretic deposition of hierarchical Co ₃ O ₄ @graphene hybrid films as binder-free anodes for high-performance lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 33438-33444.	1.7	31
32	Mesoporous Hollow Nested Nanospheres of Ni, Cu, Co-Based Mixed Sulfides for Electrocatalytic Oxygen Reduction and Evolution. <i>ACS Applied Nano Materials</i> , 2019, 2, 4921-4932.	2.4	30
33	In Situ Transmission Electron Microscopy Studies of Electrochemical Reaction Mechanisms in Rechargeable Batteries. <i>Electrochemical Energy Reviews</i> , 2019, 2, 467-491.	13.1	30
34	Bioinspired synthesis of Ag@TiO ₂ plasmonic nanocomposites to enhance the light harvesting of dye-sensitized solar cells. <i>RSC Advances</i> , 2013, 3, 18587.	1.7	29
35	Facile and large-scale fabrication of hierarchical ZnFe ₂ O ₄ /graphene hybrid films as advanced binder-free anodes for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2015, 39, 1725-1733.	1.4	29
36	A liquid metal-based self-adaptive sulfur-gallium composite for long-cycling lithium-sulfur batteries. <i>Nanoscale</i> , 2019, 11, 412-417.	2.8	29

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37	Pre-planted nucleation seeds for rechargeable metallic lithium anodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18862-18869.	5.2	28
38	Graphene foam supported multilevel network-like NiCo ₂ S ₄ nanoarchitectures for robust lithium storage and efficient ORR catalysis. <i>New Journal of Chemistry</i> , 2017, 41, 115-125.	1.4	25
39	Endowing the Lithium Metal Surface with Self-Healing Property via an in Situ Gas-Solid Reaction for High-Performance Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28878-28884.	4.0	24
40	Interlamellar Lithium-Ion Conductor Reformed Interface for High Performance Lithium Metal Anode. <i>Advanced Functional Materials</i> , 2021, 31, 2102336.	7.8	23
41	Atomic Layers of MoO ₂ with Exposed High-Energy (010) Facets for Efficient Oxygen Reduction. <i>Small</i> , 2018, 14, e1703960.	5.2	22
42	Controllable synthesis of micro/nano-structured MnCo ₂ O ₄ with multiporous core-shell architectures as high-performance anode materials for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2015, 39, 8416-8423.	1.4	21
43	Mesoporous Ni Co based nanowire arrays supported on three-dimensional N-doped carbon foams as non-noble catalysts for efficient oxygen reduction reaction. <i>Microporous and Mesoporous Materials</i> , 2016, 231, 128-137.	2.2	20
44	Mo ₂ C-embedded biomass-derived honeycomb-like nitrogen-doped carbon nanosheet/graphene aerogel films for highly efficient electrocatalytic hydrogen evolution. <i>New Journal of Chemistry</i> , 2020, 44, 1147-1156.	1.4	20
45	Anchoring nano-sulfur on flat graphene as cathode material for lithium-sulfur battery. <i>RSC Advances</i> , 2015, 5, 40310-40315.	1.7	19
46	Enhancement of active anticorrosion via Ce-doped Zn-Al layered double hydroxides embedded in sol-gel coatings on aluminum alloy. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 1199-1204.	0.4	19
47	One-step synthesis of the nickel foam supported network-like ZnO nanoarchitectures assembled with ultrathin mesoporous nanosheets with improved lithium storage performance. <i>RSC Advances</i> , 2015, 5, 81341-81347.	1.7	18
48	Graphene-supported mesoporous titania nanosheets for efficient photodegradation. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 711-718.	5.0	18
49	DNA assembled single-walled carbon nanotube nanocomposites for high efficiency dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11070.	5.2	15
50	Guiding confined deposition of lithium through the conductivity changing interface within a hierarchical heterostructure toward dendrite-free lithium anodes. <i>Carbon</i> , 2020, 168, 633-639.	5.4	13
51	Superior methanol electrooxidation activity and CO tolerance of mesoporous helical nanospindle-like CeO ₂ modified Pt/C. <i>RSC Advances</i> , 2015, 5, 64261-64267.	1.7	12
52	Surface characteristics of anodic oxide films fabricated in acid and neutral electrolytes on Ti-10V-2Fe-3Al alloy. <i>Surface and Interface Analysis</i> , 2013, 45, 661-666.	0.8	11
53	Siloxane based copolymer sulfur as binder-free cathode for advances lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 190-196.	5.0	11
54	Evolution of Microstructure and Precipitates with Cycle Annealing Temperature of an Al-6Mg-Mn-Sc-Zr Alloy. <i>Materials and Manufacturing Processes</i> , 2007, 22, 1-4.	2.7	9

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55	Effect of electrolyte concentration on morphology, microstructure and electrochemical impedance of anodic oxide film on titanium alloy Ti-10V-2Fe-3Al. Journal of Applied Electrochemistry, 2010, 40, 1545-1553.	1.5	9
56	Effect of electropolishing on electrochemical behaviours of titanium alloy Ti-10V-2Fe-3Al. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 469-477.	0.4	9
57	Surface analysis of chemical stripping titanium alloy oxide films. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 399-404.	0.4	9
58	Multi-functional DNA-based synthesis of SWNTs@(TiO ₂ /Ag/Au) nanocomposites for enhanced light-harvesting and charge collection in DSSCs. RSC Advances, 2015, 5, 5604-5610.	1.7	9
59	Bioinspired hierarchical cross-linked graphene-silicon nanofilms via synergistic interfacial interactions as integrated negative electrodes for high-performance lithium storage. Physical Chemistry Chemical Physics, 2020, 22, 2105-2114.	1.3	8
60	Super helical Au/TiO ₂ nanocomposites based on plasmid DNA for efficiency dye-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2017, 28, 4138-4145.	1.1	7
61	Improvement of Corrosion Protection of Coating System via Inhibitor Response Order. Coatings, 2018, 8, 365.	1.2	7
62	Long-term cycling stability of NiCo ₂ S ₄ hollow nanowires supported on biomass-derived ultrathin N-doped carbon 3D networks as an anode for lithium-ion batteries. Chemical Communications, 2021, 57, 1002-1005.	2.2	7
63	Unique structure and mechanical property of Dabryanus scale. Journal of Bionic Engineering, 2016, 13, 641-649.	2.7	6
64	Corrosion behavior of ultra-high strength steel 300M in different simulated marine environments. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 372-378.	0.4	6
65	Effects of electroplated coatings on corrosion behavior of Ti-1023/30CrMnSiA galvanic couple. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 704-707.	0.4	5
66	EIS characterization of sealed anodic oxide films on titanium alloy Ti-10V-2Fe-3Al. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 599-605.	0.4	5
67	Fast Cryomediated Dynamic Equilibrium Hydrolysates towards Grain Boundary-Enriched Platinum Scaffolds for Efficient Methanol Oxidation. Research, 2019, 2019, 8174314.	2.8	5
68	Preparation and characterization of Ni-P hollow material based on the shape of Nocadia. Science Bulletin, 2008, 53, 3235-3239.	4.3	4
69	INFLUENCE OF THIOBACILLUS FERROXIDANS BIOFILM ON THE CORROSION BEHAVIOR OF STEEL A3. International Journal of Modern Physics B, 2010, 24, 3083-3088.	1.0	4
70	Synthesis and magnetic properties of BaTiO ₃ -Co _x Fe _{3-x} O ₄ core-shell particles by homogeneous coprecipitation. Journal of Electroceramics, 2013, 31, 96-101.	0.8	4
71	Effect of pre-corrosion on fatigue life of high strength steel 38CrMoAl. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 648-653.	0.4	3
72	Theoretical and experimental studies of passivity breakdown of Aermet 100 ultra-high stainless steel in chloride ion medium. Materials and Corrosion - Werkstoffe Und Korrosion, 2019, 70, 2020-2032.	0.8	3

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73	Effect of Solution and Aging Temperatures on Microstructure and Mechanical Properties of 10Cr13Co13Mo5Ni3W1VE(S280) Steel. <i>Micromachines</i> , 2021, 12, 566.	1.4	3
74	Manifestations in corrosion prophase of ultra-high strength steel 30CrMnSiNi2A in sodium chloride solutions. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014, 29, 367-373.	0.4	2
75	Optically active multi-helical erythrocyte-like $\text{Ln}(\text{OH})\text{CO}_3$ (Ln = La, Ce, Pr and Sm). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 20261-20265.	1.3	2
76	Turning free-standing three-dimensional graphene into electrochemically active by nitrogen doping during chemical vapor deposition process. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3759-3768.	1.1	2
77	Effect of Hydrogen on Mechanical Properties of 23Co14Ni12Cr3Mo Ultrahigh Strength Steel. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 3916-3921.	1.2	1
78	The Interdiffusion Behavior of NiCoCrAlYHf Coating Deposited by Arc Ion Plating on Carburized Ni-Based Single Crystal Superalloy. <i>Materials</i> , 2021, 14, 7401.	1.3	1
79	Self-assembly of near-unity helical $\text{Ce}_{1-x}\text{M}_x\text{O}_2$ ($x = 0.1$, M =) <i>TJ ETQq</i> 1 0.784314 rg	1.4	0
80	Cover Image, Volume 14, Issue 3. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, i.	1.9	0
81	Effect of Intermetallic Compounds on Pitting Corrosion of Spark Plasma Sintered AA2024. <i>Corrosion</i> , 2022, 78, 572-583.	0.5	0