

# Songmei Li

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

3,385  
citations

159585  
30  
h-index

144013  
57  
g-index

81  
all docs

81  
docs citations

81  
times ranked

5365  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Effect of Intermetallic Compounds on Pitting Corrosion of Spark Plasma Sintered AA2024. <i>Corrosion</i> , 2022, 78, 572-583.   | 1.1  | 0         |
| 2  | Long-term cycling stability of NiCo <sub>2</sub> S <sub>4</sub> hollow nanowires supported on biomass-derived ultrathin N-doped carbon 3D networks as an anode for lithium-ion batteries. <i>Chemical Communications</i> , 2021, 57, 1002-1005.     | 4.1  | 7         |
| 3  | Selective Etching Quaternary MAX Phase toward Single Atom Copper Immobilized MXene (Ti <sub>3</sub> C <sub>2</sub> Cl <sub>x</sub> ) for Efficient CO <sub>2</sub> Electroreduction to Methanol. <i>ACS Nano</i> , 2021, 15, 4927-4936.             | 14.6 | 139       |
| 4  | Ultrafast Zinc-Ion Conductor Interface toward High-Rate and Stable Zinc Metal Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2100186.  | 19.5 | 223       |
| 5  | Interlamellar Lithium-Ion Conductor Reformed Interface for High Performance Lithium Metal Anode. <i>Advanced Functional Materials</i> , 2021, 31, 2102336.  | 14.9 | 23        |
| 6  | Effect of Solution and Aging Temperatures on Microstructure and Mechanical Properties of 10Cr13Co13Mo5Ni3W1VE(S280) Steel. <i>Micromachines</i> , 2021, 12, 566.  | 2.9  | 3         |
| 7  | The Interdiffusion Behavior of NiCoCrAlYHf Coating Deposited by Arc Ion Plating on Carburized Ni-Based Single Crystal Superalloy. <i>Materials</i> , 2021, 14, 7401.  | 2.9  | 1         |
| 8  | High-Throughput Production of 1T MoS <sub>2</sub> Monolayers Based on Controllable Conversion of Mo-Based MXenes. <i>ACS Nano</i> , 2021, 15, 19275-19283.  | 14.6 | 32        |
| 9  | Bioinspired hierarchical cross-linked graphene-silicon nanofilms via synergistic interfacial interactions as integrated negative electrodes for high-performance lithium storage. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2105-2114. | 2.8  | 8         |
| 10 | Mo <sub>2</sub> 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.                   | 2.8  | 20        |
| 11 | Cover Image, Volume 14, Issue 3. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, i.  | 3.7  | 0         |
| 12 | 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.   | 10.3 | 13        |
| 13 | 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.                    | 2.2  | 2         |
| 14 | Lignin-derived electrochemical energy materials and systems. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, 650-672.  | 3.7  | 73        |
| 15 | Conversion of non-van der Waals solids to 2D transition-metal chalcogenides. <i>Nature</i> , 2020, 577, 492-496.  | 27.8 | 145       |
| 16 | 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.   | 9.4  | 11        |
| 17 | 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 &amp; Interfaces</i> , 2019, 11, 28878-28884.                                | 8.0  | 24        |
| 18 | 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.  | 5.0  | 30        |

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|----|--|------|-----------|
| 19 | Theoretical and experimental studies of passivity breakdown of Aermet 100 ultra-high stainless steel in chloride ion medium. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 2020-2032.  | 1.5  | 3         |
| 20 | Gradient-Distributed Nucleation Seeds on Conductive Host for a Dendrite-Free and High-Rate Lithium Metal Anode. <i>Small</i> , 2019, 15, e1903520.   | 10.0 | 83        |
| 21 | An artificial TiO <sub>2</sub> /lithium n-butoxide hybrid SEI layer with facilitated lithium-ion transportation ability for stable lithium anodes. <i>Nanoscale</i> , 2019, 11, 2194-2201.   | 5.6  | 43        |
| 22 | A liquid metal-based self-adaptive sulfur-gallium composite for long-cycling lithium-sulfur batteries. <i>Nanoscale</i> , 2019, 11, 412-417.   | 5.6  | 29        |
| 23 | In Situ Transmission Electron Microscopy Studies of Electrochemical Reaction Mechanisms in Rechargeable Batteries. <i>Electrochemical Energy Reviews</i> , 2019, 2, 467-491.   | 25.5 | 30        |
| 24 | Homogeneous guiding deposition of sodium through main group II metals toward dendrite-free sodium anodes. <i>Science Advances</i> , 2019, 5, eaau6264.   | 10.3 | 130       |
| 25 | Fast Cryomediated Dynamic Equilibrium Hydrolysates towards Grain Boundary-Enriched Platinum Scaffolds for Efficient Methanol Oxidation. <i>Research</i> , 2019, 2019, 8174314.   | 5.7  | 5         |
| 26 | Mesoporous Hybrid Electrolyte for Simultaneously Inhibiting Lithium Dendrites and Polysulfide Shuttle in Li-S Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703124.  | 19.5 | 42        |
| 27 | Atomic Layers of MoO <sub>2</sub> with Exposed High-Energy (010) Facets for Efficient Oxygen Reduction. <i>Small</i> , 2018, 14, e1703960.   | 10.0 | 22        |
| 28 | Self-assembly of near-unity helical Ce <sub>1-x</sub> M <sub>x</sub> O <sub>2</sub> (x = 0.1, M =) Tj ETQo 0 0 rgBT /Overloc<br>2.8  | 2.8  | 0         |
| 29 | Dendrite-Free Metallic Lithium in Lithiophilic Carbonized Metal-Organic Frameworks. <i>Advanced Energy Materials</i> , 2018, 8, 1703505.   | 19.5 | 144       |
| 30 | Continuously 3D printed quantum dot-based electrodes for lithium storage with ultrahigh capacities. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19960-19966.  | 10.3 | 49        |
| 31 | Improvement of Corrosion Protection of Coating System via Inhibitor Response Order. <i>Coatings</i> , 2018, 8, 365.  | 2.6  | 7         |
| 32 | Preparation and evaluation of the microwave absorption properties of template-free graphene foam-supported Ni nanoparticles. <i>RSC Advances</i> , 2017, 7, 14733-14741.   | 3.6  | 56        |
| 33 | From biomass chitin to mesoporous nanosheets assembled loofa sponge-like N-doped carbon/g-C <sub>3</sub> N <sub>4</sub> 3D network architectures as ultralow-cost bifunctional oxygen catalysts. <i>Microporous and Mesoporous Materials</i> , 2017, 240, 216-226.       | 4.4  | 51        |
| 34 | In situ template synthesis of hollow nanospheres assembled from NiCo <sub>2</sub> S <sub>4</sub> @C ultrathin nanosheets with high electrochemical activities for lithium storage and ORR catalysis. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11554-11562. | 2.8  | 47        |
| 35 | Polyhedral-Like NiMn-Layered Double Hydroxide/Porous Carbon as Electrode for Enhanced Electrochemical Performance Supercapacitors. <i>Small</i> , 2017, 13, 1702616.   | 10.0 | 140       |
| 36 | Flexible Ti <sub>3</sub> C <sub>2</sub> MXene-lithium film with lamellar structure for ultrastable metallic lithium anodes. <i>Nano Energy</i> , 2017, 39, 654-661.  | 16.0 | 163       |

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|----|---|------|-----------|
| 37 | Ultralight Interconnected Graphene–Amorphous Carbon Hierarchical Foam with Mechanical Resiliency for High Sensitivity and Durable Strain Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 27127-27134.   | 8.0  | 41        |
| 38 | Pre-planted nucleation seeds for rechargeable metallic lithium anodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18862-18869.  | 10.3 | 28        |
| 39 | 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.                                | 1.0  | 19        |
| 40 | Graphene-supported mesoporous titania nanosheets for efficient photodegradation. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 711-718.  | 9.4  | 18        |
| 41 | Graphene foam supported multilevel network-like NiCo <sub>2</sub> S <sub>4</sub> nanoarchitectures for robust lithium storage and efficient ORR catalysis. <i>New Journal of Chemistry</i> , 2017, 41, 115-125.   | 2.8  | 25        |
| 42 | Super helical Au/TiO <sub>2</sub> nanocomposites based on plasmid DNA for efficiency dye-sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 4138-4145.   | 2.2  | 7         |
| 43 | EIS characterization of sealed anodic oxide films on titanium alloy Ti-10V-2Fe-3Al. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 599-605.   | 1.0  | 5         |
| 44 | 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.                                    | 4.4  | 20        |
| 45 | 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.  | 30.8 | 98        |
| 46 | Unique structure and mechanical property of Dabryanus scale. <i>Journal of Bionic Engineering</i> , 2016, 13, 641-649.  | 5.0  | 6         |
| 47 | Corrosion behavior of ultra-high strength steel 300M in different simulated marine environments. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 372-378.  | 1.0  | 6         |
| 48 | Optically active multi-helical erythrocyte-like Ln(OH)CO <sub>3</sub> (Ln = La, Ce, Pr and Sm). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 20261-20265.   | 2.8  | 2         |
| 49 | NiCo <sub>2</sub> S <sub>4</sub> 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. | 2.8  | 90        |
| 50 | Self-assembly of ultrathin mesoporous CoMoO <sub>4</sub> 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.  | 2.8  | 51        |
| 51 | Hierarchical NiMoO <sub>4</sub> 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.   | 2.8  | 82        |
| 52 | 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.                              | 10.3 | 71        |
| 53 | From Commercial Sponge Toward 3D Graphene–Silicon Networks for Superior Lithium Storage. <i>Advanced Energy Materials</i> , 2015, 5, 1500289.   | 19.5 | 114       |
| 54 | Anchoring nano-sulfur on flat graphene as cathode material for lithium–sulfur battery. <i>RSC Advances</i> , 2015, 5, 40310-40315.  | 3.6  | 19        |

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|----|--|------|-----------|
| 55 | Integration of network-like porous NiMoO <sub>4</sub> 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. | 10.3 | 72        |
| 56 | 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.   | 2.5  | 57        |
| 57 | Superior methanol electrooxidation activity and CO tolerance of mesoporous helical nanospindle-like CeO <sub>2</sub> modified Pt/C. <i>RSC Advances</i> , 2015, 5, 64261-64267.  | 3.6  | 12        |
| 58 | Multi-functional DNA-based synthesis of SWNTs@(TiO <sub>2</sub> /Ag/Au) nanocomposites for enhanced light-harvesting and charge collection in DSSCs. <i>RSC Advances</i> , 2015, 5, 5604-5610.   | 3.6  | 9         |
| 59 | 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.   | 2.5  | 47        |
| 60 | Electrophoretic deposition of hierarchical Co <sub>3</sub> O <sub>4</sub> @graphene hybrid films as binder-free anodes for high-performance lithium-ion batteries. <i>RSC Advances</i> , 2015, 5, 33438-33444.   | 3.6  | 31        |
| 61 | Vertically Aligned Sulfur-Graphene Nanowalls on Substrates for Ultrafast Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2015, 15, 3073-3079.  | 9.1  | 183       |
| 62 | 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.   | 3.6  | 18        |
| 63 | Controllable synthesis of micro/nano-structured MnCo <sub>2</sub> O <sub>4</sub> with multiporous core-shell architectures as high-performance anode materials for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2015, 39, 8416-8423.                 | 2.8  | 21        |
| 64 | Facile and large-scale fabrication of hierarchical ZnFe <sub>2</sub> O <sub>4</sub> /graphene hybrid films as advanced binder-free anodes for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2015, 39, 1725-1733.                                      | 2.8  | 29        |
| 65 | In situ one-step synthesis of CoFe <sub>2</sub> O <sub>4</sub> /graphene nanocomposites as high-performance anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014, 129, 33-39.  | 5.2  | 113       |
| 66 | 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.   | 1.0  | 2         |
| 67 | Hydrothermal synthesis of NiCo <sub>2</sub> O <sub>4</sub> nanowires/nitrogen-doped graphene for high-performance supercapacitor. <i>Applied Surface Science</i> , 2014, 314, 1000-1006.   | 6.1  | 55        |
| 68 | 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.  | 1.8  | 11        |
| 69 | Synthesis and magnetic properties of BaTiO <sub>3</sub> -Co <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> core-shell particles by homogeneous coprecipitation. <i>Journal of Electroceramics</i> , 2013, 31, 96-101.   | 2.0  | 4         |
| 70 | DNA assembled single-walled carbon nanotube nanocomposites for high efficiency dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11070.   | 10.3 | 15        |
| 71 | Bioinspired synthesis of Ag@TiO <sub>2</sub> plasmonic nanocomposites to enhance the light harvesting of dye-sensitized solar cells. <i>RSC Advances</i> , 2013, 3, 18587.   | 3.6  | 29        |
| 72 | Effect of Hydrogen on Mechanical Properties of 23Co14Ni12Cr3Mo Ultrahigh Strength Steel. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 3916-3921.  | 2.5  | 1         |

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|----|--|-----|-----------|
| 73 | Polyaniline-Grafted Graphene Hybrid with Amide Groups and Its Use in Supercapacitors. Journal of Physical Chemistry C, 2012, 116, 19699-19708.   | 3.1 | 124       |
| 74 | Surface analysis of chemical stripping titanium alloy oxide films. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 399-404.   | 1.0 | 9         |
| 75 | 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.                                 | 1.0 | 9         |
| 76 | Effect of pre-corrosion on fatigue life of high strength steel 38CrMoAl. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 648-653.   | 1.0 | 3         |
| 77 | 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. | 2.9 | 9         |
| 78 | INFLUENCE OF THIOBACILLUS FERROXIDANS BIOFILM ON THE CORROSION BEHAVIOR OF STEEL A3. International Journal of Modern Physics B, 2010, 24, 3083-3088.   | 2.0 | 4         |
| 79 | Preparation and characterization of Ni-P hollow material based on the shape of Nocardia. Science Bulletin, 2008, 53, 3235-3239.  | 9.0 | 4         |
| 80 | 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.                              | 1.0 | 5         |
| 81 | Evolution of Microstructure and Precipitates with Cycle Annealing Temperature of an Al-6Mg-Mn-Sc-Zr Alloy. Materials and Manufacturing Processes, 2007, 22, 1-4.   | 4.7 | 9         |