# Xiaoli Dong

List of Publications by Year
in descending order

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|---|---|---|---|
| 83 papers | 7,778 citations | 66234 42 h-index | 58464 82 g-index |
| 83 all docs | 83 docs citations | 83 times ranked | 7283 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Polyaniline-intercalated manganese dioxide nanolayers as a high-performance cathode material for an aqueous zinc-ion battery. Nature Communications, 2018, 9, 2906. | 5.8 | 1,036 |
| 2 | A Metal-Organic Framework Host for Highly Reversible Dendrite-free Zinc Metal Anodes. Joule, 2019, 3, 1289-1300. | 11.7 | 672 |
| 3 | An Environmentally Friendly and Flexible Aqueous Zinc Battery Using an Organic Cathode. Angewandte Chemie - International Edition, 2018, 57, 11737-11741. | 7.2 | 425 |
| 4 | Separating hydrogen and oxygen evolution in alkaline water electrolysis using nickel hydroxide. Nature Communications, 2016, 7, 11741. | 5.8 | 332 |
| 5 | Flexible and Wireâ€Shaped Microâ€Supercapacitor Based on Ni(OH)<sub>2</sub>â€Nanowire and Ordered Mesoporous Carbon Electrodes. Advanced Functional Materials, 2014, 24, 3405-3412. | 7.8 | 304 |
| 6 | Ordered Hierarchical Mesoporous/Macroporous Carbon: A Highâ€Performance Catalyst for Rechargeable Liâ€“O<sub>2</sub> Batteries. Advanced Materials, 2013, 25, 5668-5672. | 11.1 | 297 |
| 7 | Organic Batteries Operated at â^'70Â°C. Joule, 2018, 2, 902-913. | 11.7 | 289 |
| 8 | Environmentally-friendly aqueous Li (or Na)-ion battery with fast electrode kinetics and super-long life. Science Advances, 2016, 2, e1501038. | 4.7 | 282 |
| 9 | Highâ€Energy Rechargeable Metallic Lithium Battery at â^'70â€‰Â°C Enabled by a Cosolvent Electrolyte. Angewandte Chemie - International Edition, 2019, 58, 5623-5627. | 7.2 | 217 |
| 10 | Multi-functional Flexible Aqueous Sodium-Ion Batteries with High Safety. CheM, 2017, 3, 348-362. | 5.8 | 194 |
| 11 | A Selfâ€Healing Aqueous Lithiumâ€Ion Battery. Angewandte Chemie - International Edition, 2016, 55, 14384-14388. | 7.2 | 191 |
| 12 | Zincâ€“Organic Battery with a Wide Operationâ€Temperature Window from â^'70 to 150â€‰Â°C. Angewandte Chemie - International Edition, 2020, 59, 14577-14583. | 7.2 | 158 |
| 13 | An organic/inorganic electrode-based hydronium-ion battery. Nature Communications, 2020, 11, 959. | 5.8 | 157 |
| 14 | An Environmentally Friendly and Flexible Aqueous Zinc Battery Using an Organic Cathode. Angewandte Chemie, 2018, 130, 11911-11915. | 1.6 | 151 |
| 15 | Flexible Aqueous Lithiumâ€Ion Battery with High Safety and Large Volumetric Energy Density. Angewandte Chemie - International Edition, 2016, 55, 7474-7477. | 7.2 | 149 |
| 16 | Solid-State Proton Battery Operated at Ultralow Temperature. ACS Energy Letters, 2020, 5, 685-691. | 8.8 | 125 |
| 17 | Humidity effect on electrochemical performance of Liâ€“O2 batteries. Journal of Power Sources, 2014, 264, 1-7. | 4.0 | 117 |
| 18 | Allâ€Organic Rechargeable Battery with Reversibility Supported by â€œWaterâ€inâ€Saltâ€•Electrolyte. Chemistry - A European Journal, 2017, 23, 2560-2565. | 1.7 | 111 |

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|---|---|---|---|
| 19 | Interfacial modification of Li/Garnet electrolyte by a lithiophilic and breathing interlayer. Journal of Power Sources, 2019, 419, 91-98. | 4.0 | 108 |
| 20 | Promoting Rechargeable Batteries Operated at Low Temperature. Accounts of Chemical Research, 2021, 54, 3883-3894. | 7.6 | 91 |
| 21 | Anchoring an Artificial Solidâ€“Electrolyte Interphase Layer on a 3D Current Collector for Highâ€Performance Lithium Anodes. Angewandte Chemie - International Edition, 2019, 58, 2093-2097. | 7.2 | 89 |
| 22 | Decoupling Hydrogen and Oxygen Production in Acidic Water Electrolysis Using a Polytriphenylamineâ€Based Battery Electrode. Angewandte Chemie - International Edition, 2018, 57, 2904-2908. | 7.2 | 86 |
| 23 | Progress of Organic Electrodes in Aqueous Electrolyte for Energy Storage and Conversion. Angewandte Chemie - International Edition, 2020, 59, 18322-18333. | 7.2 | 86 |
| 24 | Lowâ€Temperature Charge/Discharge of Rechargeable Battery Realized by Intercalation Pseudocapacitive Behavior. Advanced Science, 2020, 7, 2000196. | 5.6 | 82 |
| 25 | Advanced Electrolyte Design for Highâ€Energyâ€Density Liâ€Metal Batteries under Practical Conditions. Angewandte Chemie - International Edition, 2021, 60, 25624-25638. | 7.2 | 81 |
| 26 | Revisiting the designing criteria of advanced solid electrolyte interphase on lithium metal anode under practical condition. Nano Energy, 2021, 83, 105847. | 8.2 | 79 |
| 27 | Stabilized Rechargeable Aqueous Zinc Batteries Using Ethylene Glycol as Water Blocker. ChemSusChem, 2020, 13, 5556-5564. | 3.6 | 78 |
| 28 | A clean and membrane-free chlor-alkali process with decoupled Cl2 and H2/NaOH production. Nature Communications, 2018, 9, 438. | 5.8 | 76 |
| 29 | Engineering a High-Energy-Density and Long Lifespan Aqueous Zinc Battery via Ammonium Vanadium Bronze. ACS Applied Materials & Interfaces, 2019, 11, 20796-20803. | 4.0 | 75 |
| 30 | A lithium air battery with a lithiated Alâ€“carbon anode. Chemical Communications, 2015, 51, 676-678. | 2.2 | 72 |
| 31 | Building an Interfacial Framework: Li/Garnet Interface Stabilization through a Cu<sub>6</sub>Sn<sub>5</sub> Layer. ACS Energy Letters, 2019, 4, 1725-1731. | 8.8 | 71 |
| 32 | A Simple Prelithiation Strategy To Build a Highâ€Rate and Longâ€Life Lithiumâ€Ion Battery with Improved Lowâ€Temperature Performance. Angewandte Chemie - International Edition, 2017, 56, 16606-16610. | 7.2 | 67 |
| 33 | A Highâ€Voltage Znâ€“Organic Battery Using a Nonflammable Organic Electrolyte. Angewandte Chemie - International Edition, 2021, 60, 21025-21032. | 7.2 | 67 |
| 34 | Synthesis of ruthenium oxide coated ordered mesoporous carbon nanofiber arrays as a catalyst for lithium oxygen battery. Journal of Power Sources, 2015, 276, 181-188. | 4.0 | 66 |
| 35 | Fluorinated carboxylate ester-based electrolyte for lithium ion batteries operated at low temperature. Chemical Communications, 2020, 56, 9640-9643. | 2.2 | 61 |
| 36 | Low-cost and high safe manganese-based aqueous battery for grid energy storage and conversion. Science Bulletin, 2019, 64, 1780-1787. | 4.3 | 56 |

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|---|---|---|---|
| 37 | Organic Protonâ€Buffer Electrode to Separate Hydrogen and Oxygen Evolution in Acid Water Electrolysis. Angewandte Chemie - International Edition, 2019, 58, 4622-4626. | 7.2 | 56 |
| 38 | A Desolvationâ€Free Sodium Dualâ€Ion Chemistry for High Power Density and Extremely Low Temperature. Angewandte Chemie - International Edition, 2021, 60, 23858-23862. | 7.2 | 54 |
| 39 | Highâ€Energy Rechargeable Metallic Lithium Battery at â^'70â€‰Â°C Enabled by a Cosolvent Electrolyte. Angewandte Chemie, 2019, 131, 5679-5683. | 1.6 | 52 |
| 40 | Zincâ€“Organic Battery with a Wide Operationâ€Temperature Window from â^'70 to 150â€‰Â°C. Angewandte Chemie, 2020, 132, 14685-14691. | 1.6 | 49 |
| 41 | Decoupled amphoteric water electrolysis and its integration with Mnâ€“Zn battery for flexible utilization of renewables. Energy and Environmental Science, 2021, 14, 883-889. | 15.6 | 49 |
| 42 | Ammonium-ion batteries with a wide operating temperature window from â^'40 to 80Ââ€‹Â°C. EScience, 2021, 1, 212-218. | 25.0 | 49 |
| 43 | An All-Solid-State Sodiumâ€“Sulfur Battery Using a Sulfur/Carbonized Polyacrylonitrile Composite Cathode. ACS Applied Energy Materials, 2019, 2, 5263-5271. | 2.5 | 42 |
| 44 | Li/Garnet Interface Stabilization by Thermalâ€Decomposition Vapor Deposition of an Amorphous Carbon Layer. Angewandte Chemie - International Edition, 2020, 59, 5346-5349. | 7.2 | 42 |
| 45 | TiO2(B) nanofiber bundles as a high performance anode for a Li-ion battery. RSC Advances, 2013, 3, 3352. | 1.7 | 40 |
| 46 | High Power Lithium-ion Battery based on Spinel Cathode and Hard Carbon Anode. Electrochimica Acta, 2017, 228, 251-258. | 2.6 | 40 |
| 47 | Integrating Desalination and Energy Storage using a Saltwaterâ€based Hybrid Sodiumâ€ion Supercapacitor. ChemSusChem, 2018, 11, 1741-1745. | 3.6 | 40 |
| 48 | An all-climate CFx/Li battery with mechanism-guided electrolyte. Energy Storage Materials, 2021, 42, 477-483. | 9.5 | 40 |
| 49 | Intercalation Pseudocapacitive Nanoscale Nickel Hexacyanoferrate@Carbon Nanotubes as a High-Rate Cathode Material for Aqueous Sodium-Ion Battery. ACS Sustainable Chemistry and Engineering, 2020, 8, 3655-3663. | 3.2 | 39 |
| 50 | Progress of Organic Electrodes in Aqueous Electrolyte for Energy Storage and Conversion. Angewandte Chemie, 2020, 132, 18478-18489. | 1.6 | 36 |
| 51 | Re-building Daniell Cell with a Li-ion exchange Film. Scientific Reports, 2014, 4, 6916. | 1.6 | 35 |
| 52 | Organic Protonâ€Buffer Electrode to Separate Hydrogen and Oxygen Evolution in Acid Water Electrolysis. Angewandte Chemie, 2019, 131, 4670-4674. | 1.6 | 35 |
| 53 | A Nitrogen-doped Hierarchical Mesoporous/Microporous Carbon for Supercapacitors. Electrochimica Acta, 2014, 146, 485-494. | 2.6 | 31 |
| 54 | Advanced Electrolyte Design for Highâ€Energyâ€Density Liâ€Metal Batteries under Practical Conditions. Angewandte Chemie, 2021, 133, 25828-25842. | 1.6 | 31 |

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|---|---|---|---|
| 55 | An aqueous manganeseâ€“lead battery for large-scale energy storage. Journal of Materials Chemistry A, 2020, 8, 5959-5967. | 5.2 | 29 |
| 56 | Baseâ€“acid hybrid water electrolysis. Chemical Communications, 2016, 52, 3147-3150. | 2.2 | 28 |
| 57 | A Selfâ€Healing Aqueous Lithiumâ€Ion Battery. Angewandte Chemie, 2016, 128, 14596-14600. | 1.6 | 25 |
| 58 | Combining water reduction and liquid fuel oxidization by nickel hydroxide for flexible hydrogen production. Energy Storage Materials, 2018, 11, 260-266. | 9.5 | 24 |
| 59 | Allâ€Climate Ironâ€Based Sodiumâ€Ion Full Cell for Energy Storage. Advanced Functional Materials, 2021, 31, 2102856. | 7.8 | 24 |
| 60 | Garnet-Based All-Ceramic Lithium Battery Enabled by Li2.985B0.005OCl Solder. IScience, 2020, 23, 101071. | 1.9 | 23 |
| 61 | Dendriteâ€Free and Longâ€Cycling Sodium Metal Batteries Enabled by Sodiumâ€Ether Cointercalated Graphite Anode. Advanced Functional Materials, 2021, 31, 2009778. | 7.8 | 22 |
| 62 | Flexible Aqueous Lithiumâ€Ion Battery with High Safety and Large Volumetric Energy Density. Angewandte Chemie, 2016, 128, 7600-7603. | 1.6 | 20 |
| 63 | All-climate aqueous Na-ion batteries using â€œwater-in-saltâ€•electrolyte. Science Bulletin, 2022, 67, 161-170. | 4.3 | 19 |
| 64 | A New Strategy of Constructing a Highly Fluorinated Solidâ€Electrolyte Interface towards Highâ€Performance Lithium Anode. Advanced Materials Interfaces, 2020, 7, 2000154. | 1.9 | 18 |
| 65 | Ultrathin Silicon Nanolayer Implanted Ni<sub>x</sub>Si/Ni Nanoparticles as Superlongâ€Cycle Lithiumâ€Ion Anode Material. Small Structures, 2021, 2, 2000126. | 6.9 | 18 |
| 66 | Decoupling Hydrogen and Oxygen Production in Acidic Water Electrolysis Using a Polytriphenylamineâ€Based Battery Electrode. Angewandte Chemie, 2018, 130, 2954-2958. | 1.6 | 17 |
| 67 | A Highâ€Rate and Longâ€Life Rechargeable Battery Operated at â^'75â€‰ o C. Batteries and Supercaps, 2020, 3, 1016-1020. | 2.4 | 17 |
| 68 | Fluorinated Carbon Materials and the Applications in Energy Storage Systems. ACS Applied Energy Materials, 2022, 5, 3966-3978. | 2.5 | 14 |
| 69 | Energizing hybrid supercapacitors by using Mn<sup>2+</sup>-based active electrolyte. Journal of Materials Chemistry A, 2020, 8, 15051-15057. | 5.2 | 13 |
| 70 | Building low-temperature batteries: Non-aqueous or aqueous electrolyte?. Current Opinion in Electrochemistry, 2022, 33, 100949. | 2.5 | 13 |
| 71 | A New Germanium-Based Anode Material with High Stability for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 11883-11890. | 3.2 | 12 |
| 72 | A Low Temperature Soldered All Ceramic Lithium Battery. ACS Applied Materials & Interfaces, 2022, 14, 1149-1156. | 4.0 | 12 |

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|---|---|---|---|
| 73 | Anchoring an Artificial Solidâ€“Electrolyte Interphase Layer on a 3D Current Collector for Highâ€Performance Lithium Anodes. Angewandte Chemie, 2019, 131, 2115-2119. | 1.6 | 11 |
| 74 | Prussian Blue Cathode with Intercalation Pseudocapacitive Behavior for Lowâ€Temperature Batteries. Advanced Energy and Sustainability Research, 2021, 2, 2100105. | 2.8 | 11 |
| 75 | Synergistic Effects of Salt Concentration and Working Temperature towards Dendrite-Free Lithium Deposition. Research, 2019, 2019, 7481319. | 2.8 | 10 |
| 76 | A Simple Prelithiation Strategy To Build a Highâ€Rate and Longâ€Life Lithiumâ€Ion Battery with Improved Lowâ€Temperature Performance. Angewandte Chemie, 2017, 129, 16833-16837. | 1.6 | 9 |
| 77 | The pathway toward practical application of lithium-metal anodes for non-aqueous secondary batteries. National Science Review, 2022, 9, . | 4.6 | 9 |
| 78 | Hybrid Li-Ion Capacitor Operated within an All-Climate Temperature Range from â^'60 to +55 Â°C. ACS Applied Materials & Interfaces, 2021, 13, 45630-45638. | 4.0 | 6 |
| 79 | A Highâ€Voltage Znâ€“Organic Battery Using a Nonflammable Organic Electrolyte. Angewandte Chemie, 2021, 133, 21193-21200. | 1.6 | 5 |
| 80 | A Desolvationâ€Free Sodium Dualâ€Ion Chemistry for High Power Density and Extremely Low Temperature. Angewandte Chemie, 2021, 133, 24051. | 1.6 | 5 |
| 81 | Hybrid electrolyte for advanced rechargeable batteries. Science Bulletin, 2020, 65, 92-93. | 4.3 | 3 |
| 82 | Li/Garnet Interface Stabilization by Thermalâ€Decomposition Vapor Deposition of an Amorphous Carbon Layer. Angewandte Chemie, 2020, 132, 5384-5387. | 1.6 | 3 |
| 83 | Facilitating Low-Temperature Li<sup>+</sup> Storage via a Riemannian Surface. ACS Central Science, 0, , . | 5.3 | 0 |