# Caiyun Wang

List of Publications by Year
in descending order

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|---|---|---|---|
| 133 papers | 8,522 citations | 30070 54 h-index | 48315 88 g-index |
| 136 all docs | 136 docs citations | 136 times ranked | 11889 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Electrochemical Properties of Graphene Paper Electrodes Used in Lithium Batteries. Chemistry of Materials, 2009, 21, 2604-2606. | 6.7 | 546 |
| 2 | Tunable and Efficient Tin Modified Nitrogenâ€Doped Carbon Nanofibers for Electrochemical Reduction of Aqueous Carbon Dioxide. Advanced Energy Materials, 2018, 8, 1702524. | 19.5 | 232 |
| 3 | Buckled, Stretchable Polypyrrole Electrodes for Battery Applications. Advanced Materials, 2011, 23, 3580-3584. | 21.0 | 211 |
| 4 | Oxygen-deficient anatase TiO<sub>2</sub>@C nanospindles with pseudocapacitive contribution for enhancing lithium storage. Journal of Materials Chemistry A, 2018, 6, 4013-4022. | 10.3 | 206 |
| 5 | Polypyrrole coated nylon lycra fabric as stretchable electrode for supercapacitor applications. Electrochimica Acta, 2012, 68, 18-24. | 5.2 | 197 |
| 6 | Intrinsically Stretchable Supercapacitors Composed of Polypyrrole Electrodes and Highly Stretchable Gel Electrolyte. ACS Applied Materials & Interfaces, 2013, 5, 9008-9014. | 8.0 | 190 |
| 7 | Selfâ€Assembly of Flexible Freeâ€Standing 3D Porous MoS<sub>2</sub>â€Reduced Graphene Oxide Structure for Highâ€Performance Lithiumâ€Ion Batteries. Advanced Functional Materials, 2017, 27, 1700234. | 14.9 | 181 |
| 8 | Three dimensional (3D) printed electrodes for interdigitated supercapacitors. Electrochemistry Communications, 2014, 41, 20-23. | 4.7 | 179 |
| 9 | Recent progress in 2D materials for flexible supercapacitors. Journal of Energy Chemistry, 2018, 27, 57-72. | 12.9 | 179 |
| 10 | Molybdenum and tungsten chalcogenides for lithium/sodium-ion batteries: Beyond MoS2. Journal of Energy Chemistry, 2019, 33, 100-124. | 12.9 | 174 |
| 11 | Direct Growth of Flexible Carbon Nanotube Electrodes. Advanced Materials, 2008, 20, 566-570. | 21.0 | 168 |
| 12 | Superelastic Hybrid CNT/Graphene Fibers for Wearable Energy Storage. Advanced Energy Materials, 2018, 8, 1702047. | 19.5 | 165 |
| 13 | Superior sodium-ion storage performance of Co<sub>3</sub>O<sub>4</sub>@nitrogen-doped carbon: derived from a metalâ€“organic framework. Journal of Materials Chemistry A, 2016, 4, 5428-5435. | 10.3 | 159 |
| 14 | The 2021 battery technology roadmap. Journal Physics D: Applied Physics, 2021, 54, 183001. | 2.8 | 158 |
| 15 | Electrochemically Synthesized Polypyrrole/Graphene Composite Film for Lithium Batteries. Advanced Energy Materials, 2012, 2, 266-272. | 19.5 | 155 |
| 16 | Porous bowl-shaped VS2 nanosheets/graphene composite for high-rate lithium-ion storage. Journal of Energy Chemistry, 2020, 43, 24-32. | 12.9 | 148 |
| 17 | Fe-doped phosphorene for the nitrogen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 13790-13796. | 10.3 | 144 |
| 18 | Electrospun CoSe@N-doped carbon nanofibers with highly capacitive Li storage. Journal of Energy Chemistry, 2019, 33, 160-166. | 12.9 | 138 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A Biodegradable Thin-Film Magnesium Primary Battery Using Silk Fibroinâ€“Ionic Liquid Polymer Electrolyte. ACS Energy Letters, 2017, 2, 831-836. | 17.4 | 134 |
| 20 | Tin nanoparticles decorated copper oxide nanowires for selective electrochemical reduction of aqueous CO<sub>2</sub>to CO. Journal of Materials Chemistry A, 2016, 4, 10710-10718. | 10.3 | 129 |
| 21 | Highâ€Performance Grapheneâ€Fiberâ€Based Neural Recording Microelectrodes. Advanced Materials, 2019, 31, e1805867. | 21.0 | 122 |
| 22 | Vacancy-induced sodium-ion storage in N-doped carbon Nanofiber@MoS2 nanosheet arrays. Electrochimica Acta, 2018, 285, 301-308. | 5.2 | 111 |
| 23 | Conducting polymer composites for unconventional solid-state supercapacitors. Journal of Materials Chemistry A, 2020, 8, 4677-4699. | 10.3 | 111 |
| 24 | Mechanically strong high performance layered polypyrrole nano fibre/graphene film for flexible solid state supercapacitor. Carbon, 2014, 79, 554-562. | 10.3 | 109 |
| 25 | Polyaniline and polyanilineâ€“carbon nanotube composite fibres as battery materials in ionic liquid electrolyte. Journal of Power Sources, 2007, 163, 1105-1109. | 7.8 | 108 |
| 26 | Reduced graphene oxide and polypyrrole/reduced graphene oxide composite coated stretchable fabric electrodes for supercapacitor application. Electrochimica Acta, 2015, 172, 12-19. | 5.2 | 103 |
| 27 | A highly nitrogen-doped porous graphene â€“ an anode material for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 18229-18237. | 10.3 | 101 |
| 28 | Engineering Surface Amine Modifiers of Ultrasmall Gold Nanoparticles Supported on Reduced Graphene Oxide for Improved Electrochemical CO<sub>2</sub> Reduction. Advanced Energy Materials, 2018, 8, 1801400. | 19.5 | 100 |
| 29 | Biocompatible Ionic Liquidâ€“Biopolymer Electrolyte-Enabled Thin and Compact Magnesiumâ€“Air Batteries. ACS Applied Materials & Interfaces, 2014, 6, 21110-21117. | 8.0 | 99 |
| 30 | Toward Biodegradable Mgâ€“Air Bioelectric Batteries Composed of Silk Fibroinâ€“Polypyrrole Film. Advanced Functional Materials, 2016, 26, 1454-1462. | 14.9 | 99 |
| 31 | Manganese dioxide-anchored three-dimensional nitrogen-doped graphene hybrid aerogels as excellent anode materials for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 10403-10412. | 10.3 | 96 |
| 32 | Boric Acid Assisted Reduction of Graphene Oxide: A Promising Material for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 18860-18866. | 8.0 | 96 |
| 33 | High-performance hybrid carbon nanotube fibers for wearable energy storage. Nanoscale, 2017, 9, 5063-5071. | 5.6 | 95 |
| 34 | Highly Sensitive Strain Sensor Based on a Stretchable and Conductive Poly(vinyl alcohol)/Phytic Acid/NH<sub>2</sub>-POSS Hydrogel with a 3D Microporous Structure. ACS Applied Materials & Interfaces, 2020, 12, 26496-26508. | 8.0 | 95 |
| 35 | Tunable Conducting Polymers: Toward Sustainable and Versatile Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 14321-14340. | 6.7 | 94 |
| 36 | Cost-effective mechanochemical synthesis of highly dispersed supported transition metal catalysts for hydrogen storage. Nano Energy, 2021, 80, 105535. | 16.0 | 85 |

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|---|---|---|---|
| 37 | A robust free-standing MoS2/poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) film for supercapacitor applications. Electrochimica Acta, 2017, 235, 348-355. | 5.2 | 84 |
| 38 | MXene/RGO composite aerogels with light and high-strength for supercapacitor electrode materials. Composites Communications, 2020, 19, 108-113. | 6.3 | 84 |
| 39 | Functionalizing graphene with titanate coupling agents as reinforcement for one-component waterborne poly(urethane-acrylate) anticorrosion coatings. Chemical Engineering Journal, 2019, 359, 331-343. | 12.7 | 82 |
| 40 | Hierarchical porous PANI/MIL-101 nanocomposites based solid-state flexible supercapacitor. Electrochimica Acta, 2018, 281, 582-593. | 5.2 | 74 |
| 41 | A Cytocompatible Robust Hybrid Conducting Polymer Hydrogel for Use in a Magnesium Battery. Advanced Materials, 2016, 28, 9349-9355. | 21.0 | 67 |
| 42 | A Free-standing Graphene-Polypyrrole Hybrid Paper via Electropolymerization with an Enhanced Areal Capacitance. Electrochimica Acta, 2016, 212, 561-571. | 5.2 | 66 |
| 43 | Atomic nickel cluster decorated defect-rich copper for enhanced C2 product selectivity in electrocatalytic CO2 reduction. Applied Catalysis B: Environmental, 2021, 291, 120030. | 20.2 | 66 |
| 44 | One-Step Synthesis of Graphene/Polypyrrole Nanofiber Composites as Cathode Material for a Biocompatible Zinc/Polymer Battery. ACS Applied Materials & Interfaces, 2014, 6, 16679-16686. | 8.0 | 65 |
| 45 | Flexible Electrodes and Electrolytes for Energy Storage. Electrochimica Acta, 2015, 175, 87-95. | 5.2 | 65 |
| 46 | High performance carbon-coated hollow Ni<sub>12</sub>P<sub>5</sub> nanocrystals decorated on GNS as advanced anodes for lithium and sodium storage. Journal of Materials Chemistry A, 2017, 5, 22316-22324. | 10.3 | 65 |
| 47 | Functionalized polythiophene-coated textile: A new anode material for a flexible battery. Journal of Power Sources, 2006, 156, 610-614. | 7.8 | 64 |
| 48 | Nanobionics: the impact of nanotechnology on implantable medical bionic devices. Nanoscale, 2012, 4, 4327. | 5.6 | 64 |
| 49 | Recent Advances in Co3O4 as Anode Materials for High-Performance Lithium-Ion Batteries. Engineered Science, 2020, , . | 2.3 | 62 |
| 50 | Nanoelectrodes: energy conversion and storage. Materials Today, 2009, 12, 20-27. | 14.2 | 61 |
| 51 | Sodium-difluoro(oxalato)borate (NaDFOB): a new electrolyte salt for Na-ion batteries. Chemical Communications, 2015, 51, 9809-9812. | 4.1 | 61 |
| 52 | Electrodeposited polypyrrole (PPy)/para (toluene sulfonic acid) (pTS) free-standing film for lithium secondary battery application. Electrochimica Acta, 2012, 60, 201-205. | 5.2 | 60 |
| 53 | All-polymer battery system based on polypyrrole (PPy)/para (toluene sulfonic acid) (pTS) and polypyrrole (PPy)/indigo carmine (IC) free standing films. Electrochimica Acta, 2012, 83, 209-215. | 5.2 | 56 |
| 54 | Controlling the morphology, size and phase of Nb2O5 crystals for high electrochemical performance. Chinese Chemical Letters, 2018, 29, 1785-1790. | 9.0 | 56 |

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|---|---|---|---|
| 55 | Flexible free-standing graphene paper with interconnected porous structure for energy storage. Journal of Materials Chemistry A, 2015, 3, 4428-4434. | 10.3 | 55 |
| 56 | A smart cyto-compatible asymmetric polypyrrole membrane for salinity power generation. Nano Energy, 2018, 53, 475-482. | 16.0 | 54 |
| 57 | In situ construction of yolkâ€“shell zinc cobaltite with uniform carbon doping for high performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 9109-9115. | 10.3 | 53 |
| 58 | Highly-flexible fibre battery incorporating polypyrrole cathode and carbon nanotubes anode. Journal of Power Sources, 2006, 161, 1458-1462. | 7.8 | 52 |
| 59 | Functionalised polyterthiophenes as anode materials in polymer/polymer batteries. Synthetic Metals, 2010, 160, 76-82. | 3.9 | 51 |
| 60 | Layer-structured niobium oxides and their analogues for advanced hybrid capacitors. Chemical Engineering Journal, 2020, 391, 123489. | 12.7 | 51 |
| 61 | High strain stretchable solid electrolytes. Electrochemistry Communications, 2013, 32, 47-50. | 4.7 | 50 |
| 62 | Electrochemically synthesized stretchable polypyrrole/fabric electrodes for supercapacitor. Electrochimica Acta, 2013, 113, 17-22. | 5.2 | 49 |
| 63 | Rapid formation of self-organised Ag nanosheets with high efficiency and selectivity in CO<sub>2</sub>electroreduction to CO. Sustainable Energy and Fuels, 2017, 1, 1023-1027. | 4.9 | 49 |
| 64 | Hydrogen Generation and Degradation of Organic Dyes by New Piezocatalytic 0.7BiFeO<sub>3</sub>â€“0.3BaTiO<sub>3</sub> Nanoparticles with Proper Band Alignment. ACS Applied Materials & Interfaces, 2021, 13, 11050-11057. | 8.0 | 48 |
| 65 | Effects of Carbon Content on the Electrochemical Performances of MoS<sub>2</sub>â€“C Nanocomposites for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 22168-22174. | 8.0 | 46 |
| 66 | Insight into the Synergistic Effect on Selective Adsorption for Heavy Metal Ions by a Polypyrrole/TiO<sub>2</sub> Composite. Langmuir, 2018, 34, 10187-10196. | 3.5 | 45 |
| 67 | A battery composed of a polypyrrole cathode and a magnesium alloy anodeâ€”Toward a bioelectric battery. Synthetic Metals, 2012, 162, 584-589. | 3.9 | 42 |
| 68 | Silicon as a ubiquitous contaminant in graphene derivatives with significant impact on device performance. Nature Communications, 2018, 9, 5070. | 12.8 | 42 |
| 69 | One-Pot Hydrothermal Synthesis of Solution-Processable MoS<sub>2</sub>/PEDOT:PSS Composites for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2021, 13, 7285-7296. | 8.0 | 41 |
| 70 | Graphene cryogel papers with enhanced mechanical strength for high performance lithium battery anodes. Journal of Materials Chemistry A, 2014, 2, 1325-1331. | 10.3 | 40 |
| 71 | A â€œTandemâ€•Strategy to Fabricate Flexible Graphene/Polypyrrole Nanofiber Film Using the Surfactant-Exfoliated Graphene for Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 22031-22041. | 8.0 | 40 |
| 72 | A facile approach for fabrication of mechanically strong graphene/polypyrrole films with large areal capacitance for supercapacitor applications. RSC Advances, 2015, 5, 102643-102651. | 3.6 | 39 |

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|---|---|---|---|
| 73 | In Situ Fabrication of Branched TiO 2 /C Nanofibers as Binderâ€Free and Freeâ€Standing Anodes for Highâ€Performance Sodiumâ€Ion Batteries. Small, 2019, 15, 1901584. | 10.0 | 39 |
| 74 | Structural study of Al-substituted nickel hydroxide. Solid State Ionics, 2002, 148, 503-508. | 2.7 | 38 |
| 75 | Electrochemical CO2 reduction over nitrogen-doped SnO2 crystal surfaces. Journal of Energy Chemistry, 2019, 33, 22-30. | 12.9 | 38 |
| 76 | Electrodeposition of pyrrole and 3-(4-tert-butylphenyl)thiophene copolymer for supercapacitor applications. Synthetic Metals, 2012, 162, 2216-2221. | 3.9 | 36 |
| 77 | Polypyrrole as cathode materials for Zn-polymer battery with various biocompatible aqueous electrolytes. Electrochimica Acta, 2013, 95, 212-217. | 5.2 | 35 |
| 78 | Ammonia borane confined by nitrogen-containing carbon nanotubes: enhanced dehydrogenation properties originating from synergetic catalysis and nanoconfinement. Journal of Materials Chemistry A, 2015, 3, 20494-20499. | 10.3 | 34 |
| 79 | Surface modification of Mg2Ni alloy in an acid solution of copper sulfate and sulfuric acid. Journal of Alloys and Compounds, 1999, 285, 267-271. | 5.5 | 32 |
| 80 | Bioinspired Catecholâ€Grafting PEDOT Cathode for an Allâ€Polymer Aqueous Proton Battery with High Voltage and Outstanding Rate Capacity. Advanced Science, 2022, 9, e2103896. | 11.2 | 32 |
| 81 | Ni/Al/Co-substituted Î±-Ni(OH)2 as electrode materials in the nickel metal hydride cell. Journal of Alloys and Compounds, 2002, 330-332, 802-805. | 5.5 | 31 |
| 82 | Fabrication of heterostructured UIO-66-NH2 /CNTs with enhanced activity and selectivity over photocatalytic CO2 reduction. International Journal of Hydrogen Energy, 2020, 45, 30634-30646. | 7.1 | 30 |
| 83 | Indigo carmine (IC) doped polypyrrole (PPy) as a free-standing polymer electrode for lithium secondary battery application. Solid State Ionics, 2012, 215, 29-35. | 2.7 | 29 |
| 84 | Flexible cellulose based polypyrroleâ€“multiwalled carbon nanotube films for bio-compatible zinc batteries activated by simulated body fluids. Journal of Materials Chemistry A, 2013, 1, 14300. | 10.3 | 29 |
| 85 | Synthesis of Au/UiO-66-NH2/Graphene composites as efficient visible-light photocatalysts to convert CO2. International Journal of Hydrogen Energy, 2021, 46, 11621-11635. | 7.1 | 29 |
| 86 | Polypyrrole doped with redox-active poly(2-methoxyaniline-5-sulfonic acid) for lithium secondary batteries. RSC Advances, 2013, 3, 5447. | 3.6 | 27 |
| 87 | Engineering the poly(vinyl alcohol)-polyaniline colloids for high-performance waterborne alkyd anticorrosion coating. Applied Surface Science, 2019, 481, 960-971. | 6.1 | 27 |
| 88 | Flexible quasi-solid-state dual-ion asymmetric supercapacitor based on Ni(OH)2 and Nb2O5 nanosheet arrays. Green Energy and Environment, 2019, 4, 382-390. | 8.7 | 27 |
| 89 | Research progress on catalytic pyrolysis and reuse of waste plastics and petroleum sludge. ES Materials & Manufacturing, 2021, , . | 1.9 | 27 |
| 90 | An Electrosynthesized 3D Porous Molybdenum Sulfide/Graphene Film with Enhanced Electrochemical Performance for Lithium Storage. Small, 2018, 14, 1703096. | 10.0 | 25 |

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|---|---|---|---|
| 91 | Zn-Doped Cu(100) facet with efficient catalytic ability for the CO<sub>2</sub> electroreduction to ethylene. Physical Chemistry Chemical Physics, 2019, 21, 21341-21348. | 2.8 | 25 |
| 92 | Electrochemical synthesis of polypyrrole films using stainless steel mesh as substrate for battery application. Synthetic Metals, 2005, 153, 117-120. | 3.9 | 24 |
| 93 | Fabrication of hierarchically one-dimensional ZnxCd1-xS/NiTiO3 nanostructures and their enhanced photocatalytic water splitting activity. International Journal of Hydrogen Energy, 2019, 44, 30974-30985. | 7.1 | 23 |
| 94 | Bifunctional air electrodes for flexible rechargeable Zn-air batteries. Chinese Chemical Letters, 2021, 32, 999-1009. | 9.0 | 23 |
| 95 | Binderâ€Free Electrodes Derived from Interlayerâ€Expanded MoS<sub>2</sub> Nanosheets on Carbon Cloth with a 3D Porous Structure for Lithium Storage. ChemElectroChem, 2019, 6, 2338-2343. | 3.4 | 22 |
| 96 | A cytocompatible conductive polydopamine towards electrochromic energy storage device. Electrochimica Acta, 2021, 374, 137961. | 5.2 | 22 |
| 97 | Lithiumâ€“Polymer battery based on polybithiophene as cathode material. Journal of Power Sources, 2006, 159, 708-711. | 7.8 | 20 |
| 98 | A nitrogen-doped three-dimensional carbon framework for high performance sodium ion batteries. RSC Advances, 2017, 7, 1588-1592. | 3.6 | 20 |
| 99 | 3D braided yarns to create electrochemical cells. Electrochemistry Communications, 2015, 61, 27-31. | 4.7 | 18 |
| 100 | Porous NaTi2(PO4)3 Nanocubes Anchored on Porous Carbon Nanosheets for High Performance Sodium-Ion Batteries. Frontiers in Chemistry, 2018, 6, 396. | 3.6 | 17 |
| 101 | Stretchability enhancement of buckled polypyrrole electrodes for stretchable supercapacitors via engineering substrate surface roughness. Electrochimica Acta, 2020, 343, 136099. | 5.2 | 17 |
| 102 | Novel fullerene-functionalised poly(terthiophenes). Journal of Electroanalytical Chemistry, 2007, 599, 79-84. | 3.8 | 16 |
| 103 | Abuseâ€Tolerant Electrolytes for Lithiumâ€Ion Batteries. Advanced Science, 2021, 8, e2003694. | 11.2 | 16 |
| 104 | Hierarchical architectures of mesoporous Pd on highly ordered TiO<sub>2</sub> nanotube arrays for electrochemical CO<sub>2</sub> reduction. Journal of Materials Chemistry A, 2020, 8, 8041-8048. | 10.3 | 15 |
| 105 | Efficient Metalâ€Oriented Electrodeposition of a Coâ€Based Metalâ€Organic Framework with Superior Capacitive Performance. ChemSusChem, 2022, 15, . | 6.8 | 15 |
| 106 | Scalable Solution Processing MoS<sub>2</sub> Powders with Liquid Crystalline Graphene Oxide for Flexible Freestanding Films with High Areal Lithium Storage Capacity. ACS Applied Materials & Interfaces, 2019, 11, 46746-46755. | 8.0 | 14 |
| 107 | Polyaniline Electrochemically Deposited on Tailored Metal Mesh for Dynamically Stretchable Supercapacitors. Journal of the Electrochemical Society, 2019, 166, A3932-A3939. | 2.9 | 13 |
| 108 | A galvanic cell driven controlled release system based on conducting polymers. Sensors and Actuators B: Chemical, 2008, 129, 605-611. | 7.8 | 12 |

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|---|---|---|---|
| 109 | A versatile transition metal ion-binding motif derived from covalent organic framework for efficient CO2 electroreduction. Applied Catalysis B: Environmental, 2021, 291, 119915. | 20.2 | 12 |
| 110 | Towards thermally stable high performance lithium-ion batteries: the combination of a phosphonium cation ionic liquid and a 3D porous molybdenum disulfide/graphene electrode. Chemical Communications, 2018, 54, 5338-5341. | 4.1 | 10 |
| 111 | A Selfâ€Assembled CO<sub>2</sub> Reduction Electrocatalyst: Posyâ€Bouquetâ€Shaped Goldâ€Polyaniline Coreâ€Shell Nanocomposite. ChemSusChem, 2020, 13, 5023-5030. | 6.8 | 10 |
| 112 | Recyclable and Reprocessable Crosslinked Rubber Enabled by Constructing Ionic Crosslinked Networks. ACS Sustainable Chemistry and Engineering, 2020, 8, 12999-13006. | 6.7 | 10 |
| 113 | Polyisocyanate bridged environmental graphene/epoxy nanocomposite coatings with excellent anticorrosion performance. Progress in Organic Coatings, 2021, 153, 106167. | 3.9 | 10 |
| 114 | Poly (triphenylamine)-decorated UIO-66-NH2 mesoporous architectures with enhanced photocatalytic activity for CO2 reduction and H2 evolution. Journal of CO2 Utilization, 2021, 51, 101654. | 6.8 | 10 |
| 115 | Potential Application of Solid Electrolyte P11 OH in Ni/MH Batteries. Synthetic Metals, 2005, 152, 57-60. | 3.9 | 9 |
| 116 | Novel reversible and switchable electrolytes based on magneto-rheology. Scientific Reports, 2015, 5, 15663. | 3.3 | 9 |
| 117 | Ionic liquid as electrolyte in a self-powered controlled release system. Sensors and Actuators B: Chemical, 2009, 141, 452-457. | 7.8 | 8 |
| 118 | Tuning the structure of three dimensional nanostructured molybdenum disulfide/nitrogen-doped carbon composite for high lithium storage. Electrochimica Acta, 2018, 291, 197-205. | 5.2 | 8 |
| 119 | Electrolytes with reversible switch between liquid and solid phases. Current Opinion in Electrochemistry, 2020, 21, 297-302. | 4.8 | 8 |
| 120 | Energy materials for transient power sources. MRS Bulletin, 2020, 45, 121-128. | 3.5 | 7 |
| 121 | A cobalt-based metalâ€“organic framework electrodeposited on nickel foam as a binder-free electrode for high-performance supercapacitors. New Journal of Chemistry, 2022, 46, 12565-12571. | 2.8 | 7 |
| 122 | A new process for fabrication of metal-hydride electrodes for nickelâ€“metal hydride batteries. Journal of Alloys and Compounds, 2002, 330-332, 760-765. | 5.5 | 6 |
| 123 | Magnetorheological technology for fabricating tunable solid electrolyte with enhanced conductivity and mechanical property. Smart Materials and Structures, 2018, 27, 035022. | 3.5 | 5 |
| 124 | A novel codoping approach for enhancing the performance of polypyrrole cathode in a bioelectric battery. Carbon, 2014, 80, 691-697. | 10.3 | 4 |
| 125 | Strategic Structure Tuning of Yolkâ€Shell Microcages for Efficient Nitrogen Fixation. ChemSusChem, 2021, 14, 2521-2528. | 6.8 | 4 |
| 126 | Fabrication and Properties of Spray-Dried Nanofeatured Spherical Ni(OH)<SUB>2</SUB> Materials. Journal of Nanoscience and Nanotechnology, 2002, 2, 675-678. | 0.9 | 3 |

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|---|---|---|---|
| 127 | The length dependent selectivity on aligned Cu nanowires for C1 products from CO2 Electroreduction. Electrochimica Acta, 2021, 394, 139099. | 5.2 | 3 |
| 128 | A Battery Method to Enhance the Degradation of Iron Stent and Regulating the Effect on Living Cells. Small Methods, 2022, 6, . | 8.6 | 3 |
| 129 | Phase transformation induced benzene rings activation in a metalâ€“organic framework to boost sodium storage performance. Chemical Engineering Journal, 2022, 433, 133508. | 12.7 | 2 |
| 130 | Organic bionics. , 2010, , . | | 1 |
| 131 | Sodiumâ€Ion Batteries: In Situ Fabrication of Branched TiO<sub>2</sub>/C Nanofibers as Binderâ€Free and Freeâ€Standing Anodes for Highâ€Performance Sodiumâ€Ion Batteries (Small 30/2019). Small, 2019, 15, 1970158. | 10.0 | 1 |
| 132 | Biomedical Applications of Organic Conducting Polymers. , 2019, , 783-812. | | 1 |
| 133 | A novel cureless pure lead oxide plate for valve-regulated lead-acid batteries. Journal of Applied Electrochemistry, 2004, 34, 1127-1133. | 2.9 | 0 |