# Chunyu Du

List of Publications by Year
in descending order

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|---|---|---|---|
| 146 papers | 7,075 citations | 41344 49 h-index | 71685 76 g-index |
| 148 all docs | 148 docs citations | 148 times ranked | 7812 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ï€â€Conjugation Induced Anchoring of Ferrocene on Graphdiyne Enable Shuttleâ€Free Redox Mediation in Lithiumâ€Oxygen Batteries. Advanced Science, 2022, 9, e2103964. | 11.2 | 9 |
| 2 | Tailoring lithium-peroxide reaction kinetics with CuN2C2 single-atom moieties for lithium-oxygen batteries. Nano Energy, 2022, 93, 106810. | 16.0 | 12 |
| 3 | Ultrathin Si Nanosheets Dispersed in Graphene Matrix Enable Stable Interface and High Rate Capability of Anode for Lithiumâ€ion Batteries. Advanced Functional Materials, 2022, 32, . | 14.9 | 67 |
| 4 | Deactivation and regeneration of a benchmark Pt/C catalyst toward oxygen reduction reaction in the presence of poisonous SO<sub>2</sub> and NO. Catalysis Science and Technology, 2022, 12, 2929-2934. | 4.1 | 8 |
| 5 | Investigating the Origin of the Enhanced Sodium Storage Capacity of Transition Metal Sulfide Anodes in Etherâ€Based Electrolytes. Advanced Functional Materials, 2022, 32, . | 14.9 | 24 |
| 6 | Singleâ€Atom Tailored Hierarchical Transition Metal Oxide Nanocages for Efficient Lithium Storage. Small, 2022, 18, e2200367. | 10.0 | 6 |
| 7 | A dynamic Ni(OH)2-NiOOH/NiFeP heterojunction enabling high-performance E-upgrading of hydroxymethylfurfural. Applied Catalysis B: Environmental, 2022, 311, 121357. | 20.2 | 75 |
| 8 | Developing a Double Protection Strategy for High-Performance Spinel LiNi<sub>0.5</sub>Mn<sub>1.5</sub>O<sub>4</sub> Cathodes. ACS Applied Energy Materials, 2022, 5, 6401-6409. | 5.1 | 6 |
| 9 | Pt/C-TiO2 as Oxygen Reduction Electrocatalysts against Sulfur Poisoning. Catalysts, 2022, 12, 571. | 3.5 | 3 |
| 10 | Achieving high-energy-density magnesium/sulfur battery via a passivation-free Mg-Li alloy anode. Energy Storage Materials, 2022, 50, 380-386. | 18.0 | 14 |
| 11 | DNA Helix Structure Inspired Flexible Lithium-Ion Batteries with High Spiral Deformability and Long-Lived Cyclic Stability. Nano Letters, 2022, 22, 5553-5560. | 9.1 | 8 |
| 12 | Surface-Phase Engineering via Lanthanum Doping Enables Enhanced Electrochemical Performance of Li-Rich Layered Cathode. ACS Applied Energy Materials, 2022, 5, 9648-9656. | 5.1 | 8 |
| 13 | A bifunctional perovskite oxide catalyst: The triggered oxygen reduction/evolution electrocatalysis by moderated Mn-Ni co-doping. Journal of Energy Chemistry, 2021, 54, 217-224. | 12.9 | 49 |
| 14 | Intercalation pseudocapacitive electrochemistry of Nb-based oxides for fast charging of lithium-ion batteries. Nano Energy, 2021, 81, 105635. | 16.0 | 52 |
| 15 | Proof-of-concept fabrication of carbon structure in Cuâ€“Nâ€“C catalysts of both high ORR activity and stability. Carbon, 2021, 174, 683-692. | 10.3 | 22 |
| 16 | Novel carbon structures as highly stable supports for electrocatalysts in acid media: regulating the oxygen functionalization behavior of carbon. New Journal of Chemistry, 2021, 45, 10802-10809. | 2.8 | 2 |
| 17 | Reversible Silicon Anodes with Long Cycles by Multifunctional Volumetric Buffer Layers. ACS Applied Materials & Interfaces, 2021, 13, 4093-4101. | 8.0 | 34 |
| 18 | Stable Silicon Anodes by Molecular Layer Deposited Artificial Zincone Coatings. Advanced Functional Materials, 2021, 31, 2010526. | 14.9 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Engineering Molecular Polymerization for Templateâ€Free SiO<sub>x</sub>/C Hollow Spheres as Ultrastable Anodes in Lithiumâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2101145. | 14.9 | 74 |
| 20 | Formation of an Artificial Mg<sup>2+</sup>-Permeable Interphase on Mg Anodes Compatible with Ether and Carbonate Electrolytes. ACS Applied Materials & Interfaces, 2021, 13, 24565-24574. | 8.0 | 36 |
| 21 | An Interphase-enhanced Liquid Na-K Anode for Dendrite-free Alkali Metal Batteries Enabled by SiCl4 Electrolyte Additive. Energy Storage Materials, 2021, 37, 199-206. | 18.0 | 25 |
| 22 | LiNi0.5Co0.2Mn0.3O2/graphite batteries storing at high temperature: Capacity fading and raveling of aging mechanisms. Journal of Power Sources, 2021, 496, 229858. | 7.8 | 16 |
| 23 | Stabilizing Lithium Metal Anode Enabled by a Natural Polymer Layer for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 28252-28260. | 8.0 | 19 |
| 24 | Reâ€Looking into the Active Moieties of Metal Xâ€ides (Xâ€•= Phosphâ€, Sulfâ€, Nitrâ€, and Carbâ€) Toward Oxygen Evolution Reaction. Advanced Functional Materials, 2021, 31, 2102918. | 14.9 | 68 |
| 25 | Deactivated Pt Electrocatalysts for the Oxygen Reduction Reaction: The Regeneration Mechanism and a Regenerative Protocol. ACS Catalysis, 2021, 11, 9293-9299. | 11.2 | 11 |
| 26 | Tailoring Porous Transition Metal Oxide for High-Performance Lithium Storage. Journal of Physical Chemistry C, 2021, 125, 22435-22445. | 3.1 | 7 |
| 27 | Photoelectrochemistry-driven selective hydroxyl oxidation of polyols: Synergy between Au nanoparticles and C3N4 nanosheets. Chem Catalysis, 2021, 1, 1260-1272. | 6.1 | 15 |
| 28 | An artificial interphase enables the use of Mg(TFSI)2-based electrolytes in magnesium metal batteries. Chemical Engineering Journal, 2021, 426, 130751. | 12.7 | 34 |
| 29 | Monovacancy Coupled Pyridinic N Site Enables Surging Oxygen Reduction Activity of Metal-Free CNx Catalyst. ACS Sustainable Chemistry and Engineering, 2021, 9, 1264-1271. | 6.7 | 8 |
| 30 | Substrate strain tunes operando geometric distortion and oxygen reduction activity of CuN2C2 single-atom sites. Nature Communications, 2021, 12, 6335. | 12.8 | 95 |
| 31 | Solvate ionic liquid boosting favorable interfaces kinetics to achieve the excellent performance of Li4Ti5O12 anodes in Li10GeP2S12 based solid-state batteries. Chemical Engineering Journal, 2020, 382, 123046. | 12.7 | 12 |
| 32 | A dual-salt coupled fluoroethylene carbonate succinonitrile-based electrolyte enables Li-metal batteries. Journal of Materials Chemistry A, 2020, 8, 2066-2073. | 10.3 | 75 |
| 33 | Improving electrochemical performance of Nano-Si/N-doped carbon through tunning the microstructure from two dimensions to three dimensions. Electrochimica Acta, 2020, 332, 135507. | 5.2 | 18 |
| 34 | Se-doped carbon as highly stable cathode material for high energy nonaqueous Li-O2 batteries. Chemical Engineering Science, 2020, 214, 115413. | 3.8 | 18 |
| 35 | Unraveling the Relationship between Ti<sup>4+</sup> Doping and Li<sup>+</sup> Mobility Enhancement in Ti<sup>4+</sup> Doped Li<sub>3</sub>V<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub>. ACS Applied Energy Materials, 2020, 3, 715-722. | 5.1 | 11 |
| 36 | Sulfur Dioxide-Tolerant Bimetallic PtRu Catalyst toward Oxygen Electroreduction. ACS Sustainable Chemistry and Engineering, 2020, 8, 1295-1301. | 6.7 | 33 |

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| 37 | Inducing uniform lithium nucleation by integrated lithium-rich li-in anode with lithiophilic 3D framework. Energy Storage Materials, 2020, 33, 423-431. | 18.0 | 56 |
| 38 | Enabling Highly Stable Liâ€“O<sub>2</sub> Batteries with Full Dischargeâ€“Charge Capability: The Porous Binder- and Carbon-Free IrNi Nanosheet Cathode. ACS Sustainable Chemistry and Engineering, 2020, 8, 16115-16123. | 6.7 | 4 |
| 39 | Synergistic engineering of defects and architecture in Co3O4@C nanosheets toward Li/Na ion batteries with enhanced pseudocapacitances. Nano Energy, 2020, 78, 105366. | 16.0 | 86 |
| 40 | Unraveling the Promotion Effects of a Soluble Cobaltocene Catalyst with Respect to Liâ€“O<sub>2</sub> Battery Discharge. Journal of Physical Chemistry Letters, 2020, 11, 7028-7034. | 4.6 | 14 |
| 41 | Polyvinylpyrrolidoneâ€Coordinated Singleâ€Site Platinum Catalyst Exhibits High Activity for Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2020, 59, 15902-15907. | 13.8 | 80 |
| 42 | Bifunctional LaMn<sub>0.3</sub>Co<sub>0.7</sub>O<sub>3</sub> Perovskite Oxide Catalyst for Oxygen Reduction and Evolution Reactions: The Optimized e<sub>g</sub> Electronic Structures by Manganese Dopant. ACS Applied Materials & Interfaces, 2020, 12, 24717-24725. | 8.0 | 85 |
| 43 | Active and Stable Ptâ€“Ni Alloy Octahedra Catalyst for Oxygen Reduction via Near-Surface Atomical Engineering. ACS Catalysis, 2020, 10, 4205-4214. | 11.2 | 98 |
| 44 | Perovskite LaCo<sub>x</sub>Mn<sub>1â€“x</sub>O<sub>3â^'*ï*</sub> with Tunable Defect and Surface Structures as Cathode Catalysts for Liâ€“O<sub>2</sub> Batteries. ACS Applied Materials & Interfaces, 2020, 12, 10452-10460. | 8.0 | 23 |
| 45 | A porous N-doped carbon aggregate as sulfur host for lithium-sulfur batteries. Ionics, 2019, 25, 2131-2138. | 2.4 | 8 |
| 46 | Scalable submicron/micron silicon particles stabilized in a robust graphite-carbon architecture for enhanced lithium storage. Journal of Colloid and Interface Science, 2019, 555, 783-790. | 9.4 | 22 |
| 47 | Trimetallic Ptâ€“Pdâ€“Ni octahedral nanocages with subnanometer thick-wall towards high oxygen reduction reaction. Nano Energy, 2019, 64, 103890. | 16.0 | 34 |
| 48 | Unraveling the Origins of the â€œUnreactive Coreâ€•in Conversion Electrodes to Trigger High Sodium-Ion Electrochemistry. ACS Energy Letters, 2019, 4, 2007-2012. | 17.4 | 33 |
| 49 | Pseudocapacitive Li+ storage boosts ultrahigh rate performance of structure-tailored CoFe2O4@Fe2O3 hollow spheres triggered by engineered surface and near-surface reactions. Nano Energy, 2019, 66, 104179. | 16.0 | 45 |
| 50 | Engineering of Nitrogen Coordinated Single Cobalt Atom Moieties for Oxygen Electroreduction. ACS Applied Materials & Interfaces, 2019, 11, 41258-41266. | 8.0 | 50 |
| 51 | Layer-by-Layer Engineered Silicon-Based Sandwich Nanomat as Flexible Anode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 39970-39978. | 8.0 | 26 |
| 52 | High loading single-atom Cu dispersed on graphene for efficient oxygen reduction reaction. Nano Energy, 2019, 66, 104088. | 16.0 | 138 |
| 53 | Highly stable one-dimensional Pt nanowires with modulated structural disorder towards the oxygen reduction reaction. Journal of Materials Chemistry A, 2019, 7, 24830-24836. | 10.3 | 26 |
| 54 | Enhancing high-voltage performances of nickel-based cathode material via aluminum and progressive concentration gradient modification. Electrochimica Acta, 2019, 317, 459-467. | 5.2 | 10 |

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| 55 | Direct dimethyl ether fuel cells with low platinum-group-metal loading at anode: Investigations of operating temperatures and anode Pt/Ru ratios. Journal of Power Sources, 2019, 433, 126690. | 7.8 | 18 |
| 56 | Scalable mesoporous silicon microparticles composed of interconnected nanoplates for superior lithium storage. Chemical Engineering Journal, 2019, 375, 121923. | 12.7 | 32 |
| 57 | Lithiumâ€ion Batteries: Radially Oriented Singleâ€Crystal Primary Nanosheets Enable Ultrahigh Rate and Cycling Properties of LiNi<sub>0.8</sub>Co<sub>0.1</sub>Mn<sub>0.1</sub>O<sub>2</sub> Cathode Material for Lithiumâ€ion Batteries (Adv. Energy Mater. 15/2019). Advanced Energy Materials, 2019, 9, 1970051. | 19.5 | 14 |
| 58 | Investigating the Structure of an Active Materialâ€“Carbon Interface in the Monoclinic Li<sub>3</sub>V<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub>/C Composite Cathode. ACS Applied Energy Materials, 2019, 2, 3692-3702. | 5.1 | 9 |
| 59 | Progressive concentration gradient nickel-rich oxide cathode material for high-energy and long-life lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 7728-7735. | 10.3 | 61 |
| 60 | Amorphous carbon-encapsulated Si nanoparticles loading on MCMB with sandwich structure for lithium ion batteries. Electrochimica Acta, 2019, 306, 590-598. | 5.2 | 41 |
| 61 | Improved Electrochemical Performance of LiNi<sub>0.8</sub>Co<sub>0.15</sub>Al<sub>0.05</sub>O<sub>2</sub> Cathode Material by Coating of Graphene Nanodots. Journal of the Electrochemical Society, 2019, 166, A1038-A1044. | 2.9 | 19 |
| 62 | Three-dimensional layered double hydroxides on carbon nanofibers: The engineered mass transfer channels and active sites towards oxygen evolution reaction. Applied Surface Science, 2019, 485, 41-47. | 6.1 | 22 |
| 63 | A quasi-solid-state Liâ€“S battery with high energy density, superior stability and safety. Journal of Materials Chemistry A, 2019, 7, 6533-6542. | 10.3 | 42 |
| 64 | Radially Oriented Singleâ€Crystal Primary Nanosheets Enable Ultrahigh Rate and Cycling Properties of LiNi<sub>0.8</sub>Co<sub>0.1</sub>Mn<sub>0.1</sub>O<sub>2</sub> Cathode Material for Lithiumâ€ion Batteries. Advanced Energy Materials, 2019, 9, 1803963. | 19.5 | 240 |
| 65 | Tiâ€Based Oxide Anode Materials for Advanced Electrochemical Energy Storage: Lithium/Sodium Ion Batteries and Hybrid Pseudocapacitors. Small, 2019, 15, e1904740. | 10.0 | 121 |
| 66 | Enhanced Electrochemical Performance of LiNi<sub>0.8</sub>Co<sub>0.15</sub>Al<sub>0.05</sub>O<sub>2</sub> Cathode Material via Li<sub>2</sub>TiO<sub>3</sub> Nanoparticles Coating. Journal of the Electrochemical Society, 2019, 166, A143-A150. | 2.9 | 27 |
| 67 | Superior catalytic performance and CO tolerance of Ru@Pt/C-TiO2 electrocatalyst toward methanol oxidation reaction. Applied Surface Science, 2019, 473, 943-950. | 6.1 | 47 |
| 68 | A three-dimensional silicon/nitrogen-doped graphitized carbon composite as high-performance anode material for lithium ion batteries. Journal of Alloys and Compounds, 2019, 777, 190-197. | 5.5 | 51 |
| 69 | Palladium nanocrystals-imbedded mesoporous hollow carbon spheres with enhanced electrochemical kinetics for high performance lithium sulfur batteries. Carbon, 2019, 143, 878-889. | 10.3 | 70 |
| 70 | Enhanced Methanol Oxidation in Acid Media on Pt/S,â€‰P Coâ€doped Graphene with 3D Porous Network Structure Engineering. ChemElectroChem, 2019, 6, 1157-1165. | 3.4 | 10 |
| 71 | A multifunctional silicotungstic acid-modified Li-rich manganese-based cathode material with excellent electrochemical properties. Journal of Solid State Electrochemistry, 2019, 23, 101-108. | 2.5 | 1 |
| 72 | ZIFâ€8 with Ferrocene Encapsulated: A Promising Precursor to Singleâ€Atom Fe Embedded Nitrogenâ€Doped Carbon as Highly Efficient Catalyst for Oxygen Electroreduction. Small, 2018, 14, e1704282. | 10.0 | 202 |

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|---|---|---|---|
| 73 | Enhanced electrochemical performance of Li4Ti5O12 through in-situ coating 70Li2S-30P2S5 solid electrolyte for all-solid-state lithium batteries. Journal of Alloys and Compounds, 2018, 752, 8-13. | 5.5 | 21 |
| 74 | Unravelling the Enhanced Highâ€Temperature Performance of Lithiumâ€Rich Oxide Cathode with Methyl Diphenylphosphinite as Electrolyte Additive. ChemElectroChem, 2018, 5, 1569-1575. | 3.4 | 29 |
| 75 | Polyaniline-encapsulated silicon on three-dimensional carbon nanotubes foam with enhanced electrochemical performance for lithium-ion batteries. Journal of Power Sources, 2018, 381, 156-163. | 7.8 | 80 |
| 76 | A two-dimensional nitrogen-rich carbon/silicon composite as high performance anode material for lithium ion batteries. Chemical Engineering Journal, 2018, 341, 37-46. | 12.7 | 95 |
| 77 | 3D hierarchical Co/CoO/C nanocomposites with mesoporous microsheets grown on nickel foam as cathodes for Li-O2 batteries. Journal of Alloys and Compounds, 2018, 749, 378-384. | 5.5 | 18 |
| 78 | Probing Battery Electrochemistry with In Operando Synchrotron Xâ€Ray Imaging Techniques. Small Methods, 2018, 2, 1700293. | 8.6 | 52 |
| 79 | Enabling reliable lithium metal batteries by a bifunctional anionic electrolyte additive. Energy Storage Materials, 2018, 11, 197-204. | 18.0 | 117 |
| 80 | State of health diagnosis model for lithium ion batteries based onÂreal-time impedance and open circuit voltage parameters identification method. Energy, 2018, 144, 647-656. | 8.8 | 69 |
| 81 | Understanding the initial irreversibility of metal sulfides for sodium-ion batteries via operando techniques. Nano Energy, 2018, 43, 184-191. | 16.0 | 61 |
| 82 | Correlating the electrocatalytic stability of platinum monolayer catalysts with their structural evolution in the oxygen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 20725-20736. | 10.3 | 22 |
| 83 | Toward Promising Turnkey Solution for Next-Generation Lithium Ion Batteries: Scale Preparation, Fading Analysis, and Enhanced Performance of Microsized Si/C Composites. ACS Applied Energy Materials, 2018, 1, 6977-6985. | 5.1 | 10 |
| 84 | Bifunctional electrolyte additive KI to improve the cycling performance of Liâ€“O<sub>2</sub> batteries. New Journal of Chemistry, 2018, 42, 17311-17316. | 2.8 | 2 |
| 85 | Cobalt nanoparticle-encapsulated carbon nanowire arrays: Enabling the fast redox reaction kinetics of lithium-sulfur batteries. Carbon, 2018, 140, 385-393. | 10.3 | 31 |
| 86 | Accelerated Aging Analysis on Cycle Life of LiFePO<sub>4</sub>/Graphite Batteries Based on Different Rates. ChemElectroChem, 2018, 5, 2301-2309. | 3.4 | 10 |
| 87 | Pt nanoparticles supported by sulfur and phosphorus co-doped graphene as highly active catalyst for acidic methanol electrooxidation. Electrochimica Acta, 2018, 285, 202-213. | 5.2 | 38 |
| 88 | Unravelling the Interface Layer Formation and Gas Evolution/Suppression on a TiNb<sub>2</sub>O<sub>7</sub> Anode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 27056-27062. | 8.0 | 47 |
| 89 | Accelerated aging and degradation mechanism of LiFePO<sub>4</sub>/graphite batteries cycled at high discharge rates. RSC Advances, 2018, 8, 25695-25703. | 3.6 | 40 |
| 90 | Free-Standing Sandwich-Type Graphene/Nanocellulose/Silicon Laminar Anode for Flexible Rechargeable Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 29638-29646. | 8.0 | 63 |

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| 91 | Electrocatalytic valorisation of biomass derived chemicals. Catalysis Science and Technology, 2018, 8, 3216-3232. | 4.1 | 105 |
| 92 | Superior performance of ordered macroporous TiNb 2 O 7 anodes for lithium ion batteries: Understanding from the structural and pseudocapacitive insights on achieving high rate capability. Nano Energy, 2017, 34, 15-25. | 16.0 | 351 |
| 93 | Improved electrochemical performance of micro-sized SiO-based composite anode by prelithiation of stabilized lithium metal powder. Journal of Power Sources, 2017, 347, 170-177. | 7.8 | 129 |
| 94 | Unravelling the origin of irreversible capacity loss in NaNiO2 for high voltage sodium ion batteries. Nano Energy, 2017, 34, 215-223. | 16.0 | 94 |
| 95 | Facilitating the redox reaction of polysulfides by an electrocatalytic layer-modified separator for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 10936-10945. | 10.3 | 87 |
| 96 | Electronically Conductive Sb-doped SnO 2 Nanoparticles Coated LiNi 0.8 Co 0.15 Al 0.05 O 2 Cathode Material with Enhanced Electrochemical Properties for Li-ion Batteries. Electrochimica Acta, 2017, 236, 273-279. | 5.2 | 61 |
| 97 | Hierarchical ordered macroporous/ultrathin mesoporous carbon architecture: A promising cathode scaffold with excellent rate performance for rechargeable Li-O2 batteries. Carbon, 2017, 118, 139-147. | 10.3 | 50 |
| 98 | Selective Surface Engineering of Heterogeneous Nanostructures: In Situ Unraveling of the Catalytic Mechanism on Ptâ€“Au Catalyst. ACS Catalysis, 2017, 7, 7923-7929. | 11.2 | 37 |
| 99 | Self-doping Ti1-Nb2+O7 anode material for lithium-ion battery and its electrochemical performance. Journal of Alloys and Compounds, 2017, 728, 534-540. | 5.5 | 40 |
| 100 | Phosphorus-doped graphene support to enhance electrocatalysis of methanol oxidation reaction on platinum nanoparticles. Chemical Physics Letters, 2017, 687, 1-8. | 2.6 | 45 |
| 101 | A Mild Surface Washing Method Using Protonated Polyaniline for Ni-rich LiNi0.8Co0.1Mn0.1O2 Material of Lithium Ion Batteries. Electrochimica Acta, 2017, 248, 534-540. | 5.2 | 89 |
| 102 | Clew-like N-doped multiwalled carbon nanotube aggregates derived from metal-organic complexes for lithium-sulfur batteries. Carbon, 2017, 122, 635-642. | 10.3 | 39 |
| 103 | High-rate capability of three-dimensionally ordered macroporous T-Nb2O5 through Li+ intercalation pseudocapacitance. Journal of Power Sources, 2017, 361, 80-86. | 7.8 | 139 |
| 104 | Heterogeneous Nanostructure of Ternary PtRu-Au/C Nano-catalyst Towards Formic Acid Oxidation. Electrochemistry, 2017, 85, 133-135. | 1.4 | 3 |
| 105 | Boron, nitrogen co-doped graphene: a superior electrocatalyst support and enhancing mechanism for methanol electrooxidation. Electrochimica Acta, 2016, 212, 313-321. | 5.2 | 60 |
| 106 | A Novel One-dimensional Reduced Graphene Oxide/Sulfur Nanoscroll Material and its Application in Lithium Sulfur Batteries. Electrochimica Acta, 2016, 222, 1861-1869. | 5.2 | 31 |
| 107 | Evaluation of Oxygen Reduction Activity by the Thin-Film Rotating Disk Electrode Methodology: the Effects of Potentiodynamic Parameters. Electrocatalysis, 2016, 7, 305-316. | 3.0 | 9 |
| 108 | Effect of short-time external short circuiting on the capacity fading mechanism during long-term cycling of LiCoO2/mesocarbon microbeads battery. Journal of Power Sources, 2016, 318, 154-162. | 7.8 | 30 |

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|---|---|---|---|
| 109 | Ultra-low Pt decorated PdFe Alloy Nanoparticles for Formic Acid Electro-oxidation. Electrochimica Acta, 2016, 217, 203-209. | 5.2 | 36 |
| 110 | Oxygen vacancies in SnO2 surface coating to enhance the activation of layered Li-Rich Li1.2Mn0.54Ni0.13Co0.13O2 cathode material for Li-ion batteries. Journal of Power Sources, 2016, 331, 91-99. | 7.8 | 95 |
| 111 | A review of applications of poly(diallyldimethyl ammonium chloride) in polymer membrane fuel cells: From nanoparticles to support materials. Chinese Journal of Catalysis, 2016, 37, 1025-1036. | 14.0 | 14 |
| 112 | Oxygen Reduction Kinetics on Pt Monolayer Shell Highly Affected by the Structure of Bimetallic AuNi Cores. Chemistry of Materials, 2016, 28, 5274-5281. | 6.7 | 46 |
| 113 | The effect of elevated temperature on the accelerated aging of LiCoO2/mesocarbon microbeads batteries. Applied Energy, 2016, 177, 1-10. | 10.1 | 43 |
| 114 | Metalâ€“Organic Coordination Networks: Prussian Blue and Its Synergy with Pt Nanoparticles to Enhance Oxygen Reduction Kinetics. ACS Applied Materials & Interfaces, 2016, 8, 15250-15257. | 8.0 | 44 |
| 115 | Concentration Gradient Pd-Ir-Ni/C Electrocatalyst with Enhanced Activity and Methanol Tolerance for Oxygen Reduction Reaction in Acidic Medium. Electrochimica Acta, 2016, 192, 177-187. | 5.2 | 21 |
| 116 | Recovery Strategy and Mechanism of Aged Lithium Ion Batteries after Shallow Depth of Discharge at Elevated Temperature. ACS Applied Materials & Interfaces, 2016, 8, 5234-5242. | 8.0 | 17 |
| 117 | Facile synthesis of binder-free reduced graphene oxide/silicon anode for high-performance lithium ion batteries. Journal of Power Sources, 2016, 312, 216-222. | 7.8 | 31 |
| 118 | Tin dioxide facilitated truncated octahedral Pt‹sub›3‹/sub›Ni alloy catalyst: synthesis and ultra highly active and durable electrocatalysts for oxygen reduction reaction. RSC Advances, 2016, 6, 26323-26328. | 3.6 | 8 |
| 119 | Composition optimization of ternary palladiumâ€“iridiumâ€“iron alloy catalysts for oxygen reduction reaction in acid medium. RSC Advances, 2016, 6, 22754-22763. | 3.6 | 14 |
| 120 | Synthesis of Nitrogen-doped Niobium Dioxide and its co-catalytic effect towards the electrocatalysis of oxygen reduction on platinum. Electrochimica Acta, 2016, 195, 166-174. | 5.2 | 16 |
| 121 | Multi-stress factor model for cycle lifetime prediction of lithium ion batteries with shallow-depth discharge. Journal of Power Sources, 2015, 279, 123-132. | 7.8 | 87 |
| 122 | Facile synthesis of Pt3Ni alloy nanourchins by temperature modulation and their enhanced electrocatalytic properties. Journal of Alloys and Compounds, 2015, 645, 309-316. | 5.5 | 17 |
| 123 | A palladium-doped ceria@carbon coreâ€“sheath nanowire network: a promising catalyst support for alcohol electrooxidation reactions. Nanoscale, 2015, 7, 13656-13662. | 5.6 | 22 |
| 124 | Al2O3 Coated Concentration-Gradient Li[Ni0.73Co0.12Mn0.15]O2 Cathode Material by Freeze Drying for Long-Life Lithium Ion Batteries. Electrochimica Acta, 2015, 174, 1185-1191. | 5.2 | 61 |
| 125 | Boron-doped graphene as promising support for platinum catalyst with superior activity towards the methanol electrooxidation reaction. Journal of Power Sources, 2015, 300, 245-253. | 7.8 | 79 |
| 126 | Highly efficient anode catalyst with a Ni@PdPt coreâ€“shell nanostructure for methanol electrooxidation in alkaline media. International Journal of Minerals, Metallurgy and Materials, 2015, 22, 1101-1107. | 4.9 | 3 |

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|---|---|---|---|
| 127 | Facile synthesis of nanostructured TiNb<sub>2</sub>O<sub>7</sub> anode materials with superior performance for high-rate lithium ion batteries. Chemical Communications, 2015, 51, 17293-17296. | 4.1 | 108 |
| 128 | Electrochemical performance degeneration mechanism of LiCoO<sub>2</sub> with high state of charge during long-term charge/discharge cycling. RSC Advances, 2015, 5, 81235-81242. | 3.6 | 31 |
| 129 | Capacity fading mechanism during long-term cycling of over-discharged LiCoO2/mesocarbon microbeads battery. Journal of Power Sources, 2015, 293, 1006-1015. | 7.8 | 88 |
| 130 | Lithium-rich Li<sub>1.2</sub>Ni<sub>0.13</sub>Co<sub>0.13</sub>Mn<sub>0.54</sub>O<sub>2</sub> oxide coated by Li<sub>3</sub>PO<sub>4</sub> and carbon nanocomposite layers as high performance cathode materials for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 2634-2641. | 10.3 | 103 |
| 131 | Nickel-doped ceria nanoparticles for promoting catalytic activity of Pt/C for ethanol electrooxidation. Journal of Power Sources, 2014, 263, 310-314. | 7.8 | 38 |
| 132 | Pd-around-CeO<sub>2â^'x</sub>hybrid nanostructure catalyst: three-phase-transfer synthesis, electrocatalytic properties and dual promoting mechanism. Journal of Materials Chemistry A, 2014, 2, 1429-1435. | 10.3 | 58 |
| 133 | Lithium deposition on graphite anode during long-term cycles and the effect on capacity loss. RSC Advances, 2014, 4, 26335-26341. | 3.6 | 36 |
| 134 | Polyelectrolyte Assisted Synthesis and Enhanced Oxygen Reduction Activity of Pt Nanocrystals with Controllable Shape and Size. ACS Applied Materials & Interfaces, 2014, 6, 14043-14049. | 8.0 | 49 |
| 135 | An Li-rich oxide cathode material with mosaic spinel grain and a surface coating for high performance Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 15640. | 10.3 | 75 |
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| 137 | Lithium Compound Deposition on Mesocarbon Microbead Anode of Lithium Ion Batteries after Long-Term Cycling. ACS Applied Materials & Interfaces, 2014, 6, 12962-12970. | 8.0 | 29 |
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