# Enbo Shangguan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/817110/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 52 papers | 1,295 citations | 331670 21 h-index | 377865 34 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 1505 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Powder exfoliated MoS<sub>2</sub> nanosheets with highly monolayer-rich structures as high-performance lithium-/sodium-ion-battery electrodes. Nanoscale, 2019, 11, 1887-1900. | 5.6 | 93 |
| 2 | FeS anchored reduced graphene oxide nanosheets as advanced anode material with superior high-rate performance for alkaline secondary batteries. Journal of Power Sources, 2016, 327, 187-195. | 7.8 | 75 |
| 3 | A novel electrochemical sensor based on FeS anchored reduced graphene oxide nanosheets for simultaneous determination of dopamine and acetaminophen. Materials Science and Engineering C, 2017, 70, 628-636. | 7.3 | 71 |
| 4 | FeS/C composite as high-performance anode material for alkaline nickelâ€“iron rechargeable batteries. Journal of Power Sources, 2015, 291, 29-39. | 7.8 | 68 |
| 5 | Selective Preparation of 1T- and 2H-Phase MoS<sub>2</sub> Nanosheets with Abundant Monolayer Structure and Their Applications in Energy Storage Devices. ACS Applied Energy Materials, 2020, 3, 998-1009. | 5.1 | 50 |
| 6 | A comparative study of structural and electrochemical properties of high-density aluminum substituted Î±-nickel hydroxide containing different interlayer anions. Journal of Power Sources, 2015, 282, 158-168. | 7.8 | 47 |
| 7 | Synthesis and characterization of high-density non-spherical Ni(OH)2 cathode material for Niâ€“MH batteries. International Journal of Hydrogen Energy, 2010, 35, 9716-9724. | 7.1 | 46 |
| 8 | Synthesis, characterization and electrochemical performance of high-density aluminum substituted Î±-nickel hydroxide cathode material for nickel-based rechargeable batteries. Journal of Power Sources, 2014, 270, 121-130. | 7.8 | 46 |
| 9 | Enhancing the rate and cycling performance of spherical ZnO anode material for advanced zinc-nickel secondary batteries by combined in-situ doping and coating with carbon. Electrochimica Acta, 2017, 236, 180-189. | 5.2 | 44 |
| 10 | Comparative structural and electrochemical study of high density spherical and non-spherical Ni(OH)2 as cathode materials for Niâ€“metal hydride batteries. Journal of Power Sources, 2011, 196, 7797-7805. | 7.8 | 42 |
| 11 | Facile synthesis of LiAl0.1Mn1.9O4 as cathode material for lithium ion batteries: towards rate and cycling capabilities at an elevated temperature. Electrochimica Acta, 2014, 134, 338-346. | 5.2 | 40 |
| 12 | Effects of gold nanoparticle morphologies on interactions with proteins. Materials Science and Engineering C, 2020, 111, 110830. | 7.3 | 35 |
| 13 | Low-temperature synthesis of LiMnPO 4 /RGO cathode material with excellent voltage platform and cycle performance. Electrochimica Acta, 2017, 225, 272-282. | 5.2 | 34 |
| 14 | Synthesis of novel spherical Fe3O4@Ni3S2 composite as improved anode material for rechargeable nickel-iron batteries. Electrochimica Acta, 2017, 240, 456-465. | 5.2 | 33 |
| 15 | Influence of annealing temperature on the structure and electrochemical performance of the Fe 3 O 4 anode material for alkaline secondary batteries. Electrochimica Acta, 2015, 178, 34-44. | 5.2 | 32 |
| 16 | A pre-anodized inlaying ultrathin carbon paste electrode for simultaneous determination of uric acid and folic acid. Electrochimica Acta, 2013, 89, 600-606. | 5.2 | 30 |
| 17 | Evolution of spent LiFePO4 powders into LiFePO4/C/FeS composites: A facile and smart approach to make sustainable anodes for alkaline Ni-Fe secondary batteries. Journal of Power Sources, 2018, 403, 38-48. | 7.8 | 30 |
| 18 | Facile synthesis of high tap density ZnO microspheres as advanced anode material for alkaline nickel-zinc rechargeable batteries. Electrochimica Acta, 2015, 182, 173-182. | 5.2 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Synthesis and electrochemical properties of high performance polyhedron sphere like lithium manganese oxide for lithium ion batteries. Journal of Alloys and Compounds, 2015, 632, 222-228. | 5.5 | 25 |
| 20 | Glucose assisted synthesis of hollow spindle LiMnPO 4 /C nanocomposites for high performance Li-ion batteries. Electrochimica Acta, 2015, 178, 420-428. | 5.2 | 24 |
| 21 | Novel Application of Repaired LiFePO<sub>4</sub> as a Candidate Anode Material for Advanced Alkaline Rechargeable Batteries. ACS Sustainable Chemistry and Engineering, 2018, 6, 13312-13323. | 6.7 | 24 |
| 22 | ZnAl-layered double hydroxide nanosheets-coated ZnO@C microspheres with improved cycling performance as advanced anode materials for zinc-based rechargeable batteries. Journal of Power Sources, 2019, 422, 145-155. | 7.8 | 23 |
| 23 | Carbon gel assisted low temperature liquid-phase synthesis of C-LiFePO4/graphene layers with high rate and cycle performances. Journal of Power Sources, 2015, 295, 131-138. | 7.8 | 21 |
| 24 | Synthesis of NiS coated Fe3O4 nanoparticles as high-performance positive materials for alkaline nickel-iron rechargeable batteries. International Journal of Hydrogen Energy, 2017, 42, 24939-24947. | 7.1 | 20 |
| 25 | Simultaneous voltammetric determination of epinephrine and acetaminophen using a highly sensitive CoAl-OOH/reduced graphene oxide sensor in pharmaceutical samples and biological fluids. Materials Science and Engineering C, 2021, 119, 111557. | 7.3 | 20 |
| 26 | Regulation of the discharge reservoir of negative electrodes in Niâ€“MH batteries by using Ni(OH) (x=) Tj ETQq0 0 0 rgBT /Overlock 10 T | 7.8 | 19 |
| 27 | Sublimed sulfur powders as novel effective anode additives to enhance the high-rate capabilities of iron anodes for advanced iron-based secondary batteries. Electrochimica Acta, 2019, 301, 162-173. | 5.2 | 19 |
| 28 | CoAl-layered double hydroxide nanosheets-coated spherical nickel hydroxide cathode materials with enhanced high-rate and cycling performance for alkaline nickel-based secondary batteries. Electrochimica Acta, 2020, 330, 135198. | 5.2 | 19 |
| 29 | Effects of Î³-CoOOH coating on the high-temperature and high-rate performances of spherical nickel hydroxide electrodes. International Journal of Hydrogen Energy, 2014, 39, 3895-3903. | 7.1 | 18 |
| 30 | Effects of different Ni(OH)2 precursors on the structure and electrochemical properties of NiOOH. International Journal of Hydrogen Energy, 2011, 36, 10057-10064. | 7.1 | 16 |
| 31 | Enhancement of the high-temperature performance of advanced nickelâ€“metal hydride batteries with NaOH electrolyte containing NaBO2. International Journal of Hydrogen Energy, 2013, 38, 10616-10624. | 7.1 | 16 |
| 32 | Calcium metaborate as a cathode additive to improve the high-temperature properties of nickel hydroxide electrodes for nickelâ€“metal hydride batteries. Journal of Power Sources, 2014, 263, 110-117. | 7.8 | 15 |
| 33 | The effect of acidity, hydrogen bond catalysis and auxiliary electrode reaction on the oxidation peak current for dopamine, uric acid and tryptophan. Analytical Methods, 2015, 7, 2636-2644. | 2.7 | 15 |
| 34 | Enhanced electrochemical performance of high-density Al-substituted Î±-nickel hydroxide by a novel anion exchange method using NaCl solution. International Journal of Hydrogen Energy, 2015, 40, 1852-1858. | 7.1 | 15 |
| 35 | Synthesis of CoO/Reduced Graphene Oxide Composite as an Alternative Additive for the Nickel Electrode in Alkaline Secondary Batteries. Electrochimica Acta, 2015, 180, 373-381. | 5.2 | 15 |
| 36 | Sodium tungstate as electrolyte additive to improve high-temperature performance of nickelâ€“metal hydride batteries. International Journal of Hydrogen Energy, 2013, 38, 5133-5138. | 7.1 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Effects of different electrolytes containing Na2WO4 on the electrochemical performance of nickel hydroxide electrodes for nickelâ€“metal hydride batteries. International Journal of Hydrogen Energy, 2014, 39, 3412-3422. | 7.1 | 14 |
| 38 | The influencing mechanism of acidity on the oxidation peak currents of guanine and uric acid: hydrogen bond catalysis and degree of auxiliary electrode reduction reaction. Electrochimica Acta, 2014, 136, 377-384. | 5.2 | 11 |
| 39 | Influence of acidity and auxiliary electrode reaction on the oxidation of epinephrine on the pre-anodized carbon paste electrode. Electrochimica Acta, 2015, 186, 209-215. | 5.2 | 11 |
| 40 | Novel application of CoAl-layered double hydroxide/reduced graphene oxide nanocomposite as a highly efficient cathode additive for nickel-based secondary batteries. Electrochimica Acta, 2020, 330, 135242. | 5.2 | 10 |
| 41 | Preparation of nickel oxyhydroxide by a new electrolysis method using spherical Î²-Ni(OH)2. International Journal of Hydrogen Energy, 2010, 35, 3214-3220. | 7.1 | 9 |
| 42 | Microemulsion synthesis of 3D flower-like calcium zincate anode materials with superior high-rate and cycling property for advanced zinc-based batteries. Journal of Alloys and Compounds, 2021, 853, 156965. | 5.5 | 9 |
| 43 | Simultaneous determination of ascorbic acid and acetaminophen at the pre-anodized inlaying ultrathin carbon paste electrode. Analytical Methods, 2013, 5, 4119. | 2.7 | 7 |
| 44 | Comparative structural and electrochemical study of spherical ZnO with different tap density and morphology as anode materials for Ni/Zn secondary batteries. Journal of Alloys and Compounds, 2021, 868, 159141. | 5.5 | 7 |
| 45 | Recycling of Zincâ^'Carbon Batteries into MnO/ZnO/C to Fabricate Sustainable Cathodes for Rechargeable Zincâ€ion Batteries. ChemSusChem, 2022, 15, . | 6.8 | 7 |
| 46 | Enhancing the High-Temperature and High-Rate Properties of Nickel Hydroxide Electrode for Nickel-Based Secondary Batteries by Using Nanoscale Ca(OH)2 and Î³-CoOOH. Journal of the Electrochemical Society, 2019, 166, A1836-A1843. | 2.9 | 6 |
| 47 | Insights into the electrode reaction process of nickel nanoparticles @reduced graphene oxide catalyst for ethanol oxidation in alkaline solution. Ionics, 2019, 25, 3775-3786. | 2.4 | 6 |
| 48 | Facile synthesis of Fe3S4 microspheres as advanced anode materials for alkaline iron-based rechargeable batteries. Journal of Alloys and Compounds, 2021, 874, 159873. | 5.5 | 5 |
| 49 | High Rate Performance of Surface Metalized Spherical Nickel Hydroxide via in situ Chemical Reduction. Electrochimica Acta, 2016, 207, 28-36. | 5.2 | 3 |
| 50 | Fe3S4@reduced graphene oxide composites as novel anode materials for high performance alkaline secondary batteries. Journal of Alloys and Compounds, 2022, 895, 162593. | 5.5 | 3 |
| 51 | Study on Electrochemical Behaviours and Diffusion Mechanism of Acetaminophen and Dopamine at Pre-Anodized Carbon Paste Electrode. Asian Journal of Chemistry, 2014, 26, 981-986. | 0.3 | 2 |
| 52 | The Influencing Mechanism of Acidity on the Oxidation Peak Currents of Uric Acid and Ascorbic Acid at the PACPE by Cyclic Voltammetry. Journal of the Chinese Chemical Society, 2015, 62, 263-272. | 1.4 | 2 |