

Enbo Shangguan

List of Publications by Year in descending order

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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	Fe ₃ S ₄ @reduced graphene oxide composites as novel anode materials for high performance alkaline secondary batteries. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162593.	5.5	3
2	Recycling of Zinc-Carbon Batteries into MnO/ZnO/C to Fabricate Sustainable Cathodes for Rechargeable Zinc-Ion Batteries. <i>ChemSusChem</i> , 2022, 15, .	6.8	7
3	Simultaneous voltammetric determination of epinephrine and acetaminophen using a highly sensitive CoAl-OOH/reduced graphene oxide sensor in pharmaceutical samples and biological fluids. <i>Materials Science and Engineering C</i> , 2021, 119, 111557.	7.3	20
4	Microemulsion synthesis of 3D flower-like calcium zincate anode materials with superior high-rate and cycling property for advanced zinc-based batteries. <i>Journal of Alloys and Compounds</i> , 2021, 853, 156965.	5.5	9
5	Comparative structural and electrochemical study of spherical ZnO with different tap density and morphology as anode materials for Ni/Zn secondary batteries. <i>Journal of Alloys and Compounds</i> , 2021, 868, 159141.	5.5	7
6	Facile synthesis of Fe ₃ S ₄ microspheres as advanced anode materials for alkaline iron-based rechargeable batteries. <i>Journal of Alloys and Compounds</i> , 2021, 874, 159873.	5.5	5
7	Novel application of CoAl-layered double hydroxide/reduced graphene oxide nanocomposite as a highly efficient cathode additive for nickel-based secondary batteries. <i>Electrochimica Acta</i> , 2020, 330, 135242.	5.2	10
8	CoAl-layered double hydroxide nanosheets-coated spherical nickel hydroxide cathode materials with enhanced high-rate and cycling performance for alkaline nickel-based secondary batteries. <i>Electrochimica Acta</i> , 2020, 330, 135198.	5.2	19
9	Selective Preparation of 1T- and 2H-Phase MoS ₂ Nanosheets with Abundant Monolayer Structure and Their Applications in Energy Storage Devices. <i>ACS Applied Energy Materials</i> , 2020, 3, 998-1009.	5.1	50
10	Effects of gold nanoparticle morphologies on interactions with proteins. <i>Materials Science and Engineering C</i> , 2020, 111, 110830.	7.3	35
11	Powder exfoliated MoS ₂ nanosheets with highly monolayer-rich structures as high-performance lithium-/sodium-ion-battery electrodes. <i>Nanoscale</i> , 2019, 11, 1887-1900.	5.6	93
12	Sublimed sulfur powders as novel effective anode additives to enhance the high-rate capabilities of iron anodes for advanced iron-based secondary batteries. <i>Electrochimica Acta</i> , 2019, 301, 162-173.	5.2	19
13	Enhancing the High-Temperature and High-Rate Properties of Nickel Hydroxide Electrode for Nickel-Based Secondary Batteries by Using Nanoscale Ca(OH) ₂ and $\text{I}^3\text{-CoOOH}$. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1836-A1843.	2.9	6
14	ZnAl-layered double hydroxide nanosheets-coated ZnO@C microspheres with improved cycling performance as advanced anode materials for zinc-based rechargeable batteries. <i>Journal of Power Sources</i> , 2019, 422, 145-155.	7.8	23
15	Insights into the electrode reaction process of nickel nanoparticles @reduced graphene oxide catalyst for ethanol oxidation in alkaline solution. <i>Ionics</i> , 2019, 25, 3775-3786.	2.4	6
16	Evolution of spent LiFePO ₄ powders into LiFePO ₄ /C/FeS composites: A facile and smart approach to make sustainable anodes for alkaline Ni-Fe secondary batteries. <i>Journal of Power Sources</i> , 2018, 403, 38-48.	7.8	30
17	Novel Application of Repaired LiFePO ₄ as a Candidate Anode Material for Advanced Alkaline Rechargeable Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13312-13323.	6.7	24
18	Synthesis of novel spherical Fe ₃ O ₄ @Ni ₃ S ₂ composite as improved anode material for rechargeable nickel-iron batteries. <i>Electrochimica Acta</i> , 2017, 240, 456-465.	5.2	33

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19	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. <i>Electrochimica Acta</i> , 2017, 236, 180-189.	5.2	44
20	Low-temperature synthesis of LiMnPO ₄ /RGO cathode material with excellent voltage platform and cycle performance. <i>Electrochimica Acta</i> , 2017, 225, 272-282.	5.2	34
21	Synthesis of NiS coated Fe ₃ O ₄ nanoparticles as high-performance positive materials for alkaline nickel-iron rechargeable batteries. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 24939-24947.	7.1	20
22	A novel electrochemical sensor based on FeS anchored reduced graphene oxide nanosheets for simultaneous determination of dopamine and acetaminophen. <i>Materials Science and Engineering C</i> , 2017, 70, 628-636.	7.3	71
23	High Rate Performance of Surface Metalized Spherical Nickel Hydroxide via in situ Chemical Reduction. <i>Electrochimica Acta</i> , 2016, 207, 28-36.	5.2	3
24	FeS anchored reduced graphene oxide nanosheets as advanced anode material with superior high-rate performance for alkaline secondary batteries. <i>Journal of Power Sources</i> , 2016, 327, 187-195.	7.8	75
25	The effect of acidity, hydrogen bond catalysis and auxiliary electrode reaction on the oxidation peak current for dopamine, uric acid and tryptophan. <i>Analytical Methods</i> , 2015, 7, 2636-2644.	2.7	15
26	Influence of annealing temperature on the structure and electrochemical performance of the Fe ₃ O ₄ anode material for alkaline secondary batteries. <i>Electrochimica Acta</i> , 2015, 178, 34-44.	5.2	32
27	A comparative study of structural and electrochemical properties of high-density aluminum substituted γ -nickel hydroxide containing different interlayer anions. <i>Journal of Power Sources</i> , 2015, 282, 158-168.	7.8	47
28	Enhanced electrochemical performance of high-density Al-substituted γ -nickel hydroxide by a novel anion exchange method using NaCl solution. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 1852-1858.	7.1	15
29	Synthesis and electrochemical properties of high performance polyhedron sphere like lithium manganese oxide for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2015, 632, 222-228.	5.5	25
30	Glucose assisted synthesis of hollow spindle LiMnPO ₄ /C nanocomposites for high performance Li-ion batteries. <i>Electrochimica Acta</i> , 2015, 178, 420-428.	5.2	24
31	Carbon gel assisted low temperature liquid-phase synthesis of C-LiFePO ₄ /graphene layers with high rate and cycle performances. <i>Journal of Power Sources</i> , 2015, 295, 131-138.	7.8	21
32	FeS/C composite as high-performance anode material for alkaline nickel-iron rechargeable batteries. <i>Journal of Power Sources</i> , 2015, 291, 29-39.	7.8	68
33	The Influencing Mechanism of Acidity on the Oxidation Peak Currents of Uric Acid and Ascorbic Acid at the PACPE by Cyclic Voltammetry. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 263-272.	1.4	2
34	Synthesis of CoO/Reduced Graphene Oxide Composite as an Alternative Additive for the Nickel Electrode in Alkaline Secondary Batteries. <i>Electrochimica Acta</i> , 2015, 180, 373-381.	5.2	15
35	Facile synthesis of high tap density ZnO microspheres as advanced anode material for alkaline nickel-zinc rechargeable batteries. <i>Electrochimica Acta</i> , 2015, 182, 173-182.	5.2	29
36	Influence of acidity and auxiliary electrode reaction on the oxidation of epinephrine on the pre-anodized carbon paste electrode. <i>Electrochimica Acta</i> , 2015, 186, 209-215.	5.2	11

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37	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
38	Facile synthesis of LiAlO _{1.1} Mn _{1.9} O ₄ 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
39	Effects of γ -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
40	Synthesis, characterization and electrochemical performance of high-density aluminum substituted γ -nickel hydroxide cathode material for nickel-based rechargeable batteries. Journal of Power Sources, 2014, 270, 121-130.	7.8	46
41	Calcium metaborate as a cathode additive to improve the high-temperature properties of nickel hydroxide electrodes for nickel-metal hydride batteries. Journal of Power Sources, 2014, 263, 110-117.	7.8	15
42	Effects of different electrolytes containing Na ₂ WO ₄ on the electrochemical performance of nickel hydroxide electrodes for nickel-metal hydride batteries. International Journal of Hydrogen Energy, 2014, 39, 3412-3422.	7.1	14
43	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
44	Simultaneous determination of ascorbic acid and acetaminophen at the pre-anodized inlaying ultrathin carbon paste electrode. Analytical Methods, 2013, 5, 4119.	2.7	7
45	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
46	Sodium tungstate as electrolyte additive to improve high-temperature performance of nickel-metal hydride batteries. International Journal of Hydrogen Energy, 2013, 38, 5133-5138.	7.1	14
47	Enhancement of the high-temperature performance of advanced nickel-metal hydride batteries with NaOH electrolyte containing NaBO ₂ . International Journal of Hydrogen Energy, 2013, 38, 10616-10624.	7.1	16
48	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
49	Regulation of the discharge reservoir of negative electrodes in Ni-MH batteries by using Ni(OH) ₂ (x=) Tj ETQq1 1 0.784314 pgBT /Ov	7.8	19
50	Comparative structural and electrochemical study of high density spherical and non-spherical Ni(OH) ₂ as cathode materials for Ni-metal hydride batteries. Journal of Power Sources, 2011, 196, 7797-7805.	7.8	42
51	Preparation of nickel oxyhydroxide by a new electrolysis method using spherical γ -Ni(OH) ₂ . International Journal of Hydrogen Energy, 2010, 35, 3214-3220.	7.1	9
52	Synthesis and characterization of high-density non-spherical Ni(OH) ₂ cathode material for Ni-MH batteries. International Journal of Hydrogen Energy, 2010, 35, 9716-9724.	7.1	46