Zhou Wen-zheng

List of Publications by Year
in descending order

32	669	516710 16	580821 25
papers	citations	h-index	g-index

32	32	32	871
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-Role Surface Modification of Single-Crystalline Nickel-Rich Lithium Nickel Cobalt Manganese Oxides Cathodes with WO3 to Improve Performance for Lithium-Ion Batteries. Nanomaterials, 2022, 12, 1324.	4.1	8
2	One-step synthesis of Co9S8/NiS composite with enhanced charge storage performance for supercapacitors application. Ionics, 2021, 27, 3143-3152.	2.4	4
3	Electron-Injection-Engineering Induced Phase Transition toward Stabilized 1T-MoS₂ with Extraordinary Sodium Storage Performance. ACS Nano, 2021, 15, 8896-8906.	14.6	77
4	Ferrocene as a Novel Additive to Enhance the Lithium-Ion Storage Capability of SnO₂/Graphene Composite. ACS Applied Materials & Interfaces, 2019, 11, 31943-31953.	8.0	21
5	Self-supported Ni3S2/NiCo2O4 core-shell flakes-arrays on Ni foam for enhanced charge storage properties. Electrochimica Acta, 2019, 319, 783-790.	5.2	27
6	Hierarchical NiCoO2@Ni3S2 core/shell nanoflakes arrays with superior capacitive performances for energy storage. Applied Surface Science, 2019, 495, 143557.	6.1	23
7	Effects of defect chemistry and kinetic behavior on electrochemical properties for hydrothermal synthesis of LiFePO4/C cathode materials. Materials Chemistry and Physics, 2019, 227, 56-63.	4.0	16
8	Serrated-like NiCoO2 nanoarrays on Ni foam for high-performance supercapacitors. Applied Surface Science, 2019, 481, 1220-1227.	6.1	31
9	Intermediate band insertion by group-IIIA elements alloying in a low cost solar cell absorber CuYSe2: A first-principles study. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1972-1976.	2.1	6
10	One-Step Synthesis of Self-Supported Ni3S2/NiS Composite Film on Ni Foam by Electrodeposition for High-Performance Supercapacitors. Nanomaterials, 2019, 9, 1718.	4.1	23
11	Ni catalytic effects for the enhanced hydrogenation properties of Mg17Al12(1â€¯1â€¯0) surface. Applied Surface Science, 2019, 464, 644-650.	6.1	24
12	Fabrication of uniform Si-incorporated SnO2 nanoparticles on graphene sheets as advanced anode for Li-ion batteries. Applied Surface Science, 2019, 476, 28-35.	6.1	20
13	Theoretical Design of the Absorber for Intermediate Band Solar Cells from Groupâ€IV (Si, Ge, and) Tj ETQq1 1 0.784314 rgBT /Overloc	1.5	8
14	Facile synthesis of iron-doped SnO2/reduced graphene oxide composite as high-performance anode material for lithium-ion batteries. Journal of Alloys and Compounds, 2018, 748, 1013-1021.	5.5	33
15	Optimising electrochemical performance of lithiumâ€rich manganeseâ€based ternary cathode material x Li ₂ MnO ₃ Â·(1 â" x)LiNi _{0.5} Co _{0.3} Mn _{0.2} O ₂ by adjusting composition ratio. Micro and Nano Letters, 2018, 13, 1699-1702.	1.3	3
16	Hetero-structure arrays of NiCoO2 nanoflakes@nanowires on 3D graphene/nickel foam for high-performance supercapacitors. Electrochimica Acta, 2018, 289, 193-203.	5.2	44
17	Hierarchical NiCoO2 single-crystalline nanoflake arrays on Ni foam for supercapacitors and Li-ion batteries application. Journal of Alloys and Compounds, 2018, 766, 952-958.	5.5	17
18	Structural evolution of fluorinated graphene upon molten-alkali treatment probed by X-ray absorption near-edge structure spectroscopy. Applied Surface Science, 2017, 404, 1-6.	6.1	13

#	Article	IF	Citations
19	Low temperature reduction of graphene oxide film by ammonia solution and its application for high-performance supercapacitors. Journal of Materials Science: Materials in Electronics, 2017, 28, 10098-10105.	2.2	15
20	Effect of transition metal on the hydrogen storage properties of Mgâ€“Al alloy. Journal of Materials Science, 2017, 52, 2392-2399.	3.7	38
21	Facile synthesis and electrochemical properties of layered Li[Ni1/3Mn1/3Co1/3]O2 as cathode materials for lithium-ion batteries. Frontiers of Materials Science, 2017, 11, 155-161.	2.2	5
22	Facile synthesis and spectroscopic characterization of fluorinated graphene with tunable C/F ratio via Zn reduction. Applied Surface Science, 2017, 400, 339-346.	6.1	19
23	Graphene-anchored NiCoO2 nanoarrays as supercapacitor electrode for enhanced electrochemical performance. Electrochimica Acta, 2017, 248, 562-569.	5.2	58
24	Hydrogen dissociation and incorporation on Mg17Al12(100) surface: A density functional theory study. Applied Surface Science, 2017, 396, 851-856.	6.1	15
25	Effects of in-situ formed Mg2Si phase on the hydrogen storage properties of Mg Li solid solution alloys. Materials and Design, 2016, 111, 248-252.	7.0	30
26	Understanding the high p-type conductivity in Cu-excess CuAlS₂: A first-principles study. Applied Physics Express, 2016, 9, 031202.	2.4	5
27	Si/PEDOT hybrid core/shell nanowire arrays as photoelectrodes for photoelectrochemical water-splitting. Nanoscale, 2013, 5, 5257.	5.6	48
28	A new approach to fabricating silicon nanowire/poly(3, 4-ethylenedioxythiophene) hybrid heterojunction solar cells. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 108801.	0.5	0
29	Magneto-resistance for two-dimensional electron gas in GaN/AlxGa1-xN heterostructure. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 237302.	0.5	0
30	Fabrication and characteristics of porous germanium films. Science and Technology of Advanced Materials, 2009, 10, 065001.	6.1	30
31	Strong Spinâ€“Orbit Interactions in an InAlAs/InGaAs/InAlAs Two-Dimensional Electron Gas by Weak Antilocalization Analysis. Japanese Journal of Applied Physics, 2009, 48, 063004.	1.5	0
32	Mechanical Alloying of Fe₂₅Al_{75−x}Ti_x Mixed Powders. Materials Transactions, 2004, 45, 1774-1777.	1.2	8