

Zhou Wen-zheng

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-Injection-Engineering Induced Phase Transition toward Stabilized 1T-MoS ₂ with Extraordinary Sodium Storage Performance. ACS Nano, 2021, 15, 8896-8906.	14.6	77
2	Graphene-anchored NiCoO ₂ nanoarrays as supercapacitor electrode for enhanced electrochemical performance. Electrochimica Acta, 2017, 248, 562-569.	5.2	58
3	Si/PEDOT hybrid core/shell nanowire arrays as photoelectrodes for photoelectrochemical water-splitting. Nanoscale, 2013, 5, 5257.	5.6	48
4	Hetero-structure arrays of NiCoO ₂ nanoflakes@nanowires on 3D graphene/nickel foam for high-performance supercapacitors. Electrochimica Acta, 2018, 289, 193-203.	5.2	44
5	Effect of transition metal on the hydrogen storage properties of Mg-Al alloy. Journal of Materials Science, 2017, 52, 2392-2399.	3.7	38
6	Facile synthesis of iron-doped SnO ₂ /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
7	Serrated-like NiCoO ₂ nanoarrays on Ni foam for high-performance supercapacitors. Applied Surface Science, 2019, 481, 1220-1227.	6.1	31
8	Fabrication and characteristics of porous germanium films. Science and Technology of Advanced Materials, 2009, 10, 065001.	6.1	30
9	Effects of in-situ formed Mg ₂ Si phase on the hydrogen storage properties of Mg Li solid solution alloys. Materials and Design, 2016, 111, 248-252.	7.0	30
10	Self-supported Ni ₃ S ₂ /NiCo ₂ O ₄ core-shell flakes-arrays on Ni foam for enhanced charge storage properties. Electrochimica Acta, 2019, 319, 783-790.	5.2	27
11	Ni catalytic effects for the enhanced hydrogenation properties of Mg ₁₇ Al ₁₂ (111̄) surface. Applied Surface Science, 2019, 464, 644-650.	6.1	24
12	Hierarchical NiCoO ₂ @Ni ₃ S ₂ core/shell nanoflakes arrays with superior capacitive performances for energy storage. Applied Surface Science, 2019, 495, 143557.	6.1	23
13	One-Step Synthesis of Self-Supported Ni ₃ S ₂ /NiS Composite Film on Ni Foam by Electrodeposition for High-Performance Supercapacitors. Nanomaterials, 2019, 9, 1718.	4.1	23
14	Ferrocene as a Novel Additive to Enhance the Lithium-Ion Storage Capability of SnO ₂ /Graphene Composite. ACS Applied Materials & Interfaces, 2019, 11, 31943-31953.	8.0	21
15	Fabrication of uniform Si-incorporated SnO ₂ nanoparticles on graphene sheets as advanced anode for Li-ion batteries. Applied Surface Science, 2019, 476, 28-35.	6.1	20
16	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
17	Hierarchical NiCoO ₂ 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	Effects of defect chemistry and kinetic behavior on electrochemical properties for hydrothermal synthesis of LiFePO ₄ /C cathode materials. Materials Chemistry and Physics, 2019, 227, 56-63.	4.0	16

#	ARTICLE	IF	CITATIONS
19	Low temperature reduction of graphene oxide film by ammonia solution and its application for high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10098-10105.	2.2	15
20	Hydrogen dissociation and incorporation on Mg ₁₇ Al ₁₂ (100) surface: A density functional theory study. <i>Applied Surface Science</i> , 2017, 396, 851-856.	6.1	15
21	Structural evolution of fluorinated graphene upon molten-alkali treatment probed by X-ray absorption near-edge structure spectroscopy. <i>Applied Surface Science</i> , 2017, 404, 1-6.	6.1	13
22	Mechanical Alloying of Fe ₂₅ Al ₇₅ -xTi _x Mixed Powders. <i>Materials Transactions</i> , 2004, 45, 1774-1777.	1.2	8
23	Theoretical Design of the Absorber for Intermediate Band Solar Cells from Group-IV (Si, Ge, and Sn) and III-V (Ga, In, and Al) Compounds. <i>Journal of Applied Physics</i> , 2014, 115, 084301.	1.5	8
24	Multi-Role Surface Modification of Single-Crystalline Nickel-Rich Lithium Nickel Cobalt Manganese Oxides Cathodes with WO ₃ to Improve Performance for Lithium-Ion Batteries. <i>Nanomaterials</i> , 2022, 12, 1324.	4.1	8
25	Intermediate band insertion by group-IIIa elements alloying in a low cost solar cell absorber Cu ₂ YSe ₂ : A first-principles study. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 1972-1976.	2.1	6
26	Understanding the high p-type conductivity in Cu-excess CuAlS ₂ : A first-principles study. <i>Applied Physics Express</i> , 2016, 9, 031202.	2.4	5
27	Facile synthesis and electrochemical properties of layered Li[Ni _{1/3} Mn _{1/3} Co _{1/3}]O ₂ as cathode materials for lithium-ion batteries. <i>Frontiers of Materials Science</i> , 2017, 11, 155-161.	2.2	5
28	One-step synthesis of Co ₉ S ₈ /NiS composite with enhanced charge storage performance for supercapacitors application. <i>Ionics</i> , 2021, 27, 3143-3152.	2.4	4
29	Optimising electrochemical performance of lithium-rich manganese-based ternary cathode material Li ₂ MnO ₃ ·(1-x)LiNi _{0.5} Co _{0.3} Mn _{0.2} O ₂ by adjusting composition ratio. <i>Micro and Nano Letters</i> , 2018, 13, 1699-1702.	1.3	3
30	Strong Spin-Orbit Interactions in an InAlAs/InGaAs/InAlAs Two-Dimensional Electron Gas by Weak Antilocalization Analysis. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 063004.	1.5	0
31	Magneto-resistance for two-dimensional electron gas in GaN/Al _x Ga _{1-x} N heterostructure. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2012, 61, 237302.	0.5	0
32	A new approach to fabricating silicon nanowire/poly(3, 4-ethylenedioxythiophene) hybrid heterojunction solar cells. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013, 62, 108801.	0.5	0