Song-Sheng Zheng

List of Publications by Year
in descending order

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27 papers	586 citations	623574 14 h-index	610775 24 g-index
27 all docs	27 docs citations	27 times ranked	490 citing authors

#	Article	IF	Citations
1	Distinctive conductivity improvement by embedding Cu nanoparticles in the carbon shell of submicron Si@C anode materials for LIBs. Sustainable Energy and Fuels, 2022, 6, 2306-2313.	2.5	5
2	Evaluation of the sp3/sp2 ratio of DLC films by RF-PECVD and its quantitative relationship with optical band gap. Carbon Letters, 2021, 31, 929-939.	3.3	14
3	A novel in-situ process for high performance blue CsPbBr3 perovskite quantum dots via Cs ion-exchange in Sodium Titanium Silicate. Journal of Luminescence, 2021, 232, 117867.	1.5	4
4	A novel three-dimensional cross-linked net structure of submicron Si as high-performance anode for LIBs. Journal of Alloys and Compounds, 2021, 860, 158433.	2.8	23
5	Performance of direct ammonia fuel cell with PtIr/C, PtRu/C, and Pt/C as anode electrocatalysts under mild conditions. International Journal of Hydrogen Energy, 2021, 46, 27749-27757.	3.8	25
6	N-doped C/Si@DAMO composite material using PVP as the carbon source for lithium-ion batteries anode. Ionics, 2021, 27, 4185-4196.	1.2	1
7	A submicron Si@C core-shell intertwined with carbon nanowires and graphene nanosheet as a high-performance anode material for lithium ion battery. Energy Storage Materials, 2021, 39, 1-10.	9.5	72
8	Dynamic ammonia adsorption by FAU zeolites to below 0.1Âppm for hydrogen energy applications. International Journal of Hydrogen Energy, 2021, 46, 32559-32569.	3.8	20
9	Discussion on ammonia as one of the energy storage media of solar energy in China. Energy Strategy Reviews, 2021, 38, 100697.	3.3	6
10	Performance Study of Direct Ammonia Fuel Cell Based on PtIr/C Anode Electrocatalyst. Acta Chimica Sinica, 2021, 79, 1286.	0.5	1
11	A blue and Red Bicolor Emission Phosphor Excited by a Single n-UV and Its Self-reduction of Eu3+â€‰â†’â€‰Eu2+ in Na2Al2B2O7. Electronic Materials Letters, 2020, 16, 520-530.	1.0	6
12	Preparation of micron Si@C anodes for lithium ion battery by recycling the lamellar submicron silicon in the kerf slurry waste from photovoltaic industry. Diamond and Related Materials, 2020, 107, 107898.	1.8	25
13	Near ultraviolet excited white light emitting diode (WLED) based on the blue LiCaPO4:Eu2+ phosphor. Optik, 2019, 198, 163238.	1.4	12
14	Design of energy and materials for ammonia-based extended-range electric vehicles. Energy Procedia, 2019, 158, 3064-3069.	1.8	11
15	Evaluation of Factors on Removing Boron from Silicon by Slag Refining Under Atmospheric Conditions. Jom, 2019, 71, 2120-2127.	0.9	3
16	Single 395â€…nm excitation warm WLED with a luminous efficiency of 10486 lm/W and a color rendering index of 907. Optical Materials Express, 2019, 9, 4273.	1.6	4
17	Research and development of a compound eye photovoltaic glass for photovoltaic modules. Optical Engineering, 2019, 58, 1.	0.5	0
18	Luminescence properties of SrBi2B2O7: Eu3+orange-red phosphor. Optik, 2018, 161, 38-43.	1.4	20

#	Article	IF	Citations
19	Grain-Size-Controlled Mechanical Properties of Polycrystalline Monolayer MoS₂. Nano Letters, 2018, 18, 1543-1552.	4.5	82
20	The behavior of Ca and its compounds in Si during the slag refining with CaO-SiO2-CaF2 system under air atmosphere. Separation and Purification Technology, 2018, 201, 60-70.	3.9	6
21	Microstructure, superelasticity and shape memory effect by stress-induced martensite stabilization in Cuâ€“Alâ€“Mnâ€“Ti shape memory alloys. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 236-237, 10-17.	1.7	16
22	Luminescence properties of Sr2MgB2O6:Tb3+,Li+ green-emitting phosphor. Journal of Rare Earths, 2017, 35, 211-216.	2.5	18
23	The Effect of Calcium Oxide Addition on the Removal of Metal Impurities from Metallurgical-Grade Silicon by Acid Leaching. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2012, 43, 1011-1018.	1.0	34
24	Elimination of phosphorus vaporizing from molten silicon at finite reduced pressure. Transactions of Nonferrous Metals Society of China, 2011, 21, 697-702.	1.7	22
25	Separation of Phosphorus from silicon by induction vacuum refining. Separation and Purification Technology, 2011, 82, 128-137.	3.9	58
26	Numerical Simulation of Phosphorus Removal from Silicon by Induction Vacuum Refining. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 2214-2225.	1.1	41
27	Mass Transfer of Phosphorus in Silicon Melts Under Vacuum Induction Refining. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2010, 41, 1268-1273.	1.0	57