

# Song-Sheng Zheng

## List of Publications by Year in descending order

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27  
papers

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citations

623574

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610775

24  
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all docs

27  
docs citations

27  
times ranked

490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Grain-Size-Controlled Mechanical Properties of Polycrystalline Monolayer MoS <sub>2</sub> . Nano Letters, 2018, 18, 1543-1552.	4.5	82
2	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
3	Separation of Phosphorus from silicon by induction vacuum refining. Separation and Purification Technology, 2011, 82, 128-137.	3.9	58
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Luminescence properties of SrBi <sub>2</sub> B <sub>2</sub> O <sub>7</sub> : Eu <sup>3+</sup> orange-red phosphor. Optik, 2018, 161, 38-43.	1.4	20
12	Dynamic ammonia adsorption by FAU zeolites to below 0.1 Åppm for hydrogen energy applications. International Journal of Hydrogen Energy, 2021, 46, 32559-32569.	3.8	20
13	Luminescence properties of Sr <sub>2</sub> MgB <sub>2</sub> O <sub>6</sub> : Tb <sup>3+</sup> , Li <sup>+</sup> green-emitting phosphor. Journal of Rare Earths, 2017, 35, 211-216.	2.5	18
14	Microstructure, superelasticity and shape memory effect by stress-induced martensite stabilization in Cu-Al-Mn-Ti shape memory alloys. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 236-237, 10-17.	1.7	16
15	Evaluation of the sp <sup>3</sup> /sp <sup>2</sup> ratio of DLC films by RF-PECVD and its quantitative relationship with optical band gap. Carbon Letters, 2021, 31, 929-939.	3.3	14
16	Near ultraviolet excited white light emitting diode (WLED) based on the blue LiCaPO <sub>4</sub> :Eu <sup>2+</sup> phosphor. Optik, 2019, 198, 163238.	1.4	12
17	Design of energy and materials for ammonia-based extended-range electric vehicles. Energy Procedia, 2019, 158, 3064-3069.	1.8	11
18	The behavior of Ca and its compounds in Si during the slag refining with CaO-SiO <sub>2</sub> -CaF <sub>2</sub> system under air atmosphere. Separation and Purification Technology, 2018, 201, 60-70.	3.9	6

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19	A blue and Red Bicolor Emission Phosphor Excited by a Single n-UV and Its Self-reduction of $\text{Eu}^{3+}$ to $\text{Eu}^{2+}$ in $\text{Na}_2\text{Al}_2\text{B}_2\text{O}_7$ . <i>Electronic Materials Letters</i> , 2020, 16, 520-530.	1.0	6
20	Discussion on ammonia as one of the energy storage media of solar energy in China. <i>Energy Strategy Reviews</i> , 2021, 38, 100697.	3.3	6
21	Distinctive conductivity improvement by embedding Cu nanoparticles in the carbon shell of submicron Si@C anode materials for LIBs. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2306-2313.	2.5	5
22	A novel in-situ process for high performance blue $\text{CsPbBr}_3$ perovskite quantum dots via Cs ion-exchange in Sodium Titanium Silicate. <i>Journal of Luminescence</i> , 2021, 232, 117867.	1.5	4
23	Single 395-nm excitation warm WLED with a luminous efficiency of 10486 lm/W and a color rendering index of 907. <i>Optical Materials Express</i> , 2019, 9, 4273.	1.6	4
24	Evaluation of Factors on Removing Boron from Silicon by Slag Refining Under Atmospheric Conditions. <i>Jom</i> , 2019, 71, 2120-2127.	0.9	3
25	N-doped C/Si@DAMO composite material using PVP as the carbon source for lithium-ion batteries anode. <i>Ionics</i> , 2021, 27, 4185-4196.	1.2	1
26	Performance Study of Direct Ammonia Fuel Cell Based on PtIr/C Anode Electrocatalyst. <i>Acta Chimica Sinica</i> , 2021, 79, 1286.	0.5	1
27	Research and development of a compound eye photovoltaic glass for photovoltaic modules. <i>Optical Engineering</i> , 2019, 58, 1.	0.5	0