

Shenggao Wang

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Transient liquid phase bonding of graphite to Ti6Al4V alloy. Science and Technology of Welding and Joining, 2022, 27, 615-620.	3.1	3
2	Effect of Nb or Ta Interlayer on Microstructure and Mechanical Properties of Graphite/Ti6Al4V Alloy Joints. Advanced Engineering Materials, 2021, 23, 2001237.	3.5	5
3	Anisotropic Optoelectronic Properties of MAPbI ₃ on (100), (112) and (001) Facets. Journal of Electronic Materials, 2021, 50, 6881-6887.	2.2	4
4	Enhanced gas sensing properties at low working temperature of iron molybdate/MXene composite. Journal of Alloys and Compounds, 2020, 817, 152785.	5.5	42
5	Preparation and properties of SnO ₂ /nitrogen-doped foamed carbon as anode materials for lithium ion batteries. Ionics, 2020, 26, 5333-5341.	2.4	6
6	Structure and Electrochemical Properties of Si-Mn/C Core-Shell Composites for Lithium-Ion Batteries. Jom, 2020, 72, 3037-3045.	1.9	4
7	Theoretical analysis of doping concentration, layer thickness and barrier height effects on BaSi ₂ based homojunction solar cells toward high efficiency. Solar Energy, 2020, 201, 857-865.	6.1	14
8	Morphology-controlled synthesis and gas-sensing properties of Fe ₂ (MoO ₄) ₃ microspheres. Journal of Materials Science: Materials in Electronics, 2019, 30, 14022-14029.	2.2	3
9	A Two-Step Method Synthesis and Gas Sensing Properties of CoSnO ₃ Nanoparticles. ChemistrySelect, 2019, 4, 7591-7595.	1.5	11
10	Enhanced supercapacitive performance of MnO _x through N ₂ /H ₂ plasma treatment. Chemical Papers, 2019, 73, 2679-2686.	2.2	3
11	Synthesis and gas sensing properties of Bi ₂ Fe ₄ O ₉ nanosheets. Materials Research Express, 2019, 6, 095083.	1.6	5
12	Joining of Graphite to Ti6Al4V Alloy Using Cu-Based Fillers. Advanced Engineering Materials, 2019, 21, 1900719.	3.5	7
13	Optimizing optoelectronic performances by controlling halide compositions of MAPb(Cl _x I _{1-x}) ₃ single crystals. CrystEngComm, 2019, 21, 4169-4174.	2.6	9
14	Enhanced visible-light responsive photocatalytic activity of Bi ₂₅ FeO ₄₀ /Bi ₂ Fe ₄ O ₉ composites and mechanism investigation. Journal of Materials Science: Materials in Electronics, 2019, 30, 10923-10933.	2.2	34
15	The role of Mn as dopant on the optoelectronic properties of MA(Pb _{1-x} Mn _x)Cl ₃ single crystals. Materials Research Express, 2019, 6, 086210.	1.6	3
16	Enhanced oxygen reduction reaction performance of nitrogen-doped carbon nanocages. Journal of Materials Science: Materials in Electronics, 2019, 30, 6608-6616.	2.2	7
17	Preparation of Ag Nanoparticles Coated with Silver Stearate for Low-Temperature Sinter-Bonding. Journal of Electronic Materials, 2019, 48, 3336-3344.	2.2	2
18	The preparation and ozone-sensing performance of Co ₃ O ₄ nanobricks. Journal of Materials Science: Materials in Electronics, 2019, 30, 9678-9682.	2.2	3

#	ARTICLE	IF	CITATIONS
19	Tunable dielectric properties of porous ZnAl ₂ O ₄ ceramics for wave-transmitting devices. Journal of Materials Science: Materials in Electronics, 2019, 30, 6475-6481.	2.2	9
20	Numerical simulation and optimization of Si/BaSi ₂ heterojunction and BaSi ₂ homojunction solar cells. Journal Physics D: Applied Physics, 2019, 52, 075501.	2.8	16
21	Highly sensitive sensor based on NaBi(MoO ₄) ₂ /MWCNT composites. Materials Research Express, 2018, 5, 125016.	1.6	8
22	Numerical simulation of planar BaSi ₂ based Schottky junction solar cells toward high efficiency. Solid-State Electronics, 2018, 149, 46-51.	1.4	12
23	Numerical simulation on n-MoS ₂ /p-Si heterojunction solar cells. Modern Physics Letters B, 2017, 31, 1750079.	1.9	9
24	Simulation of planar Si/Mg ₂ Si/Si p-i-n heterojunction solar cells for high efficiency. Solar Energy, 2017, 158, 654-662.	6.1	31
25	The effects of electron and hole transport layer with the electrode work function on perovskite solar cells. Modern Physics Letters B, 2016, 30, 1650341.	1.9	30
26	The role of carbon nanotubes on the capacitance of MnO ₂ /CNTs. Russian Journal of Applied Chemistry, 2016, 89, 1189-1195.	0.5	2
27	Microwave plasma synthesized nitrogen-doped carbon nanotubes for oxygen reduction. Journal of Solid State Electrochemistry, 2015, 19, 1541-1549.	2.5	22
28	Electrochemical detection of methanol by platinum/carbon nanotubes nanocomposites synthesised via hydrogen plasma reduction process. Micro and Nano Letters, 2013, 8, 890-894.	1.3	3
29	Effect of the formation of CNTs on the reduction of ilmenite. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 948-951.	1.0	0
30	Effect of contact barrier height on performances of BaSi ₂ heterojunction and homojunction solar cells. Modern Physics Letters B, 0, , .	1.9	5