

Qunfei Zhou

List of Publications by Year in descending order

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21
docs citations

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times ranked

267
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic Coupling in Metallophthalocyanine-Transition Metal Dichalcogenide Mixed-Dimensional Heterojunctions. ACS Nano, 2019, 13, 4183-4190.	7.3	54
2	Scandate cathode surface characterization: Emission testing, elemental analysis and morphological evaluation. Materials Characterization, 2019, 148, 188-200.	1.9	31
3	Ba Sc O on W (0 0 1), (1 1 0), and (1 1 2) in scandate cathodes: Connecting to experiment via $\frac{1}{4}$ and equilibrium crystal shape. Applied Surface Science, 2018, 458, 827-838.	3.1	30
4	Molecular-Scale Characterization of Photoinduced Charge Separation in Mixed-Dimensional InSe-Organic van der Waals Heterostructures. ACS Nano, 2020, 14, 3509-3518.	7.3	17
5	Electronic Structure of Metallophthalocyanines, MPc (M = Fe, Co, Ni, Cu, Zn, Mg) and Fluorinated MPc. Journal of Physical Chemistry A, 2021, 125, 4055-4061.	1.1	17
6	Charge Separation in Epitaxial SnS/MoS ₂ Vertical Heterojunctions Grown by Low-Temperature Pulsed MOCVD. ACS Applied Materials & Interfaces, 2019, 11, 40543-40550.	4.0	16
7	Large Band Edge Tunability in Colloidal Nanoplatelets. Nano Letters, 2019, 19, 7124-7129.	4.5	15
8	Mechanistic Investigation of Molybdenum Disulfide Defect Photoluminescence Quenching by Adsorbed Metallophthalocyanines. Journal of the American Chemical Society, 2021, 143, 17153-17161.	6.6	12
9	Sc-Containing (Scandate) Thermionic Cathodes: Mechanisms for Sc Enhancement of Emission. IEEE Transactions on Electron Devices, 2022, 69, 3523-3534.	1.6	12
10	Range-separated hybrid functionals for mixed dimensional heterojunctions: Application to phthalocyanines/MoS ₂ . APL Materials, 2021, 9, .	2.2	9
11	Sc-Containing (Scandate) Thermionic Cathodes: Fabrication, Microstructure, and Emission Performance. IEEE Transactions on Electron Devices, 2022, 69, 3513-3522.	1.6	9
12	Toward Spatiotemporally Controlled Synthesis of Photoresponsive Polymers: Computational Design of Azobenzene-Containing Monomers for Light-Mediated ROMP. Journal of Physical Chemistry A, 2016, 120, 7101-7111.	1.1	7
13	Magnetic property and recording performance of chemical deposition CoP thin films. Rare Metals, 2012, 31, 260-263.	3.6	5
14	Interplay of composition, structure, and electron density of states in W-Os cathode materials and relationship with thermionic emission. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, 021601.	0.9	4
15	Analysis of faceted tungsten grains on the surfaces of scandate cathodes fabricated from L-S and L-L powders. , 2018, , .		1
16	Materials characterization of surface phases in scandate cathodes. , 2018, , .		1
17	Characterization of scandate cathode at different stages of processing. , 2018, , .		1
18	Quantum mechanical investigation of thermionic emission from Os-coated tungsten dispenser cathodes. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Mapping conditions for the formation of high-performance scandate cathodes: New insights into the role of sc. , 2018, , .		0
20	Scandate cathode work function measurements at elevated temperature. , 2018, , .		0