

Mahendra K Sunkara

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,876
citations

687363

13
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

3376
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma-assisted vapor liquid phase epitaxial growth of dilute $\text{Ga}_{1-x}\text{Sb}_x$ nanowires. <i>Physical Review B</i> , 2022, 105, .	3.2	1
2	Nanowire-Based Materials as Coke-Resistant Catalyst Supports for Dry Methane Reforming. <i>Catalysts</i> , 2021, 11, 175.	3.5	4
3	Metal-Organic Framework Separator as a Polyselenide Filter for High-Performance Lithium-Selenium Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 13450-13460.	5.1	8
4	Interface stability of LiCl-rich argyrodite $\text{Li}_6\text{PS}_5\text{Cl}$ with propylene carbonate boosts high-performance lithium batteries. <i>Electrochimica Acta</i> , 2020, 363, 137128.	5.2	26
5	Stable and Flexible Sulfide Composite Electrolyte for High-Performance Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42653-42659.	8.0	52
6	Halide doping effect on solvent-synthesized lithium argyrodites $\text{Li}_6\text{PS}_5\text{X}$ (X= Cl, Br, I) superionic conductors. <i>Journal of Power Sources</i> , 2020, 464, 228158.	7.8	49
7	Liquid Phase Epitaxy of Gallium Nitride. <i>Crystal Growth and Design</i> , 2019, 19, 6577-6585.	3.0	3
8	A new nanowire-based lithium hexaoxotungstate anode for lithium-ion batteries. <i>Nanoscale Advances</i> , 2019, 1, 2727-2731.	4.6	5
9	Zinc Oxide Nanowires Exposure Induces a Distinct Inflammatory Response via CCL11-Mediated Eosinophil Recruitment. <i>Frontiers in Immunology</i> , 2019, 10, 2604.	4.8	15
10	Rapid and Economic Synthesis of a Li_7PS_6 Solid Electrolyte from a Liquid Approach. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6015-6021.	8.0	67
11	Mesoporous TiO_2 coating on carbon-sulfur cathode for high capacity Li-sulfur battery. <i>RSC Advances</i> , 2018, 8, 11622-11632.	3.6	11
12	Reduction of leakage current at the SiN_x/GaN interface in GaN Schottky diodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19353-19358.	2.2	5
13	Revealing the Structural Stability and Na-Ion Mobility of 3D Superionic Conductor Na_3Sb_4 at Extremely Low Temperatures. <i>ACS Applied Energy Materials</i> , 2018, 1, 7028-7034.	5.1	20
14	Synergistic interactions of H_2 and N_2 with molten gallium in the presence of plasma. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, .	2.1	10
15	Low-Temperature and Fast Kinetics for CO_2 Sorption Using Li_6WO_6 Nanowires. <i>Nano Letters</i> , 2018, 18, 4891-4899.	9.1	17
16	Reduced SnO_2 Porous Nanowires with a High Density of Grain Boundaries as Catalysts for Efficient Electrochemical CO_2 into HCOOH Conversion. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3645-3649.	13.8	376
17	Reduced SnO_2 Porous Nanowires with a High Density of Grain Boundaries as Catalysts for Efficient Electrochemical CO_2 into HCOOH Conversion. <i>Angewandte Chemie</i> , 2017, 129, 3699-3703.	2.0	41
18	Ultrafast Carbon Dioxide Sorption Kinetics Using Lithium Silicate Nanowires. <i>Nano Letters</i> , 2017, 17, 3327-3333.	9.1	53

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19	A rapid and scalable method for making mixed metal oxide alloys for enabling accelerated materials discovery. <i>Journal of Materials Research</i> , 2016, 31, 1596-1607.	2.6	14
20	Informatics guided discovery of surface structure-chemistry relationships in catalytic nanoparticles. <i>Journal of Chemical Physics</i> , 2014, 140, 094705.	3.0	34
21	Alkali-Assisted, Atmospheric Plasma Production of Titania Nanowire Powders and Arrays. <i>Crystal Growth and Design</i> , 2011, 11, 2913-2919.	3.0	29
22	Accelerating materials development for photoelectrochemical hydrogen production: Standards for methods, definitions, and reporting protocols. <i>Journal of Materials Research</i> , 2010, 25, 3-16.	2.6	1,032
23	Growth of Gallium Nitride Textured Films and Nanowires on Polycrystalline Substrates at sub-Atmospheric Pressures. <i>Materials Research Society Symposia Proceedings</i> , 2001, 693, 447.	0.1	4