Mahendra K Sunkara

List of Publications by Year
in descending order

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	Accelerating materials development for photoelectrochemical hydrogen production: Standards for methods, definitions, and reporting protocols. Journal of Materials Research, 2010, 25, 3-16.	2.6	1,032
2	Reduced SnO₂ Porous Nanowires with a High Density of Grain Boundaries as Catalysts for Efficient Electrochemical CO₂â€intoâ€HCOOH Conversion. Angewandte Chemie - International Edition, 2017, 56, 3645-3649.	13.8	376
3	Rapid and Economic Synthesis of a Li₇PS₆ Solid Electrolyte from a Liquid Approach. ACS Applied Materials & Interfaces, 2019, 11, 6015-6021.	8.0	67
4	Ultrafast Carbon Dioxide Sorption Kinetics Using Lithium Silicate Nanowires. Nano Letters, 2017, 17, 3327-3333.	9.1	53
5	Stable and Flexible Sulfide Composite Electrolyte for High-Performance Solid-State Lithium Batteries. ACS Applied Materials & Interfaces, 2020, 12, 42653-42659.	8.0	52
6	Halide doping effect on solvent-synthesized lithium argyrodites Li6PS5X (X= Cl, Br, I) superionic conductors. Journal of Power Sources, 2020, 464, 228158.	7.8	49
7	Reduced SnO₂ Porous Nanowires with a High Density of Grain Boundaries as Catalysts for Efficient Electrochemical CO₂â€intoâ€HCOOH Conversion. Angewandte Chemie, 2017, 129, 3699-3703.	2.0	41
8	Informatics guided discovery of surface structure-chemistry relationships in catalytic nanoparticles. Journal of Chemical Physics, 2014, 140, 094705.	3.0	34
9	Alkali-Assisted, Atmospheric Plasma Production of Titania Nanowire Powders and Arrays. Crystal Growth and Design, 2011, 11, 2913-2919.	3.0	29
10	Interface stability of LiCl-rich argyrodite Li6PS5Cl with propylene carbonate boosts high-performance lithium batteries. Electrochimica Acta, 2020, 363, 137128.	5.2	26
11	Revealing the Structural Stability and Na-Ion Mobility of 3D Superionic Conductor Na₃SbS₄ at Extremely Low Temperatures. ACS Applied Energy Materials, 2018, 1, 7028-7034.	5.1	20
12	Low-Temperature and Fast Kinetics for CO2 Sorption Using Li6WO6 Nanowires. Nano Letters, 2018, 18, 4891-4899.	9.1	17
13	Zinc Oxide Nanowires Exposure Induces a Distinct Inflammatory Response via CCL11-Mediated Eosinophil Recruitment. Frontiers in Immunology, 2019, 10, 2604.	4.8	15
14	A rapid and scalable method for making mixed metal oxide alloys for enabling accelerated materials discovery. Journal of Materials Research, 2016, 31, 1596-1607.	2.6	14
15	Mesoporous TiO₂coating on carbonâ€“sulfur cathode for high capacity Liâ€“sulfur battery. RSC Advances, 2018, 8, 11622-11632.	3.6	11
16	Synergistic interactions of H2 and N2 with molten gallium in the presence of plasma. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	2.1	10
17	Metalâ€“Organic Framework Separator as a Polyselenide Filter for High-Performance Lithiumâ€“Selenium Batteries. ACS Applied Energy Materials, 2021, 4, 13450-13460.	5.1	8
18	Reduction of leakage current at the SiNx/GaN interface in GaN Schottky diodes. Journal of Materials Science: Materials in Electronics, 2018, 29, 19353-19358.	2.2	5

#	Article	IF	Citations
19	A new nanowire-based lithium hexaoxotungstate anode for lithium-ion batteries. Nanoscale Advances, 2019, 1, 2727-2731.	4.6	5
20	Growth of Gallium Nitride Textured Films and Nanowires on Polycrystalline Substrates at sub-Atmospheric Pressures. Materials Research Society Symposia Proceedings, 2001, 693, 447.	0.1	4
21	Nanowire-Based Materials as Coke-Resistant Catalyst Supports for Dry Methane Reforming. Catalysts, 2021, 11, 175.	3.5	4
22	Liquid Phase Epitaxy of Gallium Nitride. Crystal Growth and Design, 2019, 19, 6577-6585.	3.0	3
23	Plasma-assisted vapor-liquid-phase epitaxial growth of dilute <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ga</mml:mi><mml:msub><mml:mi>Sb</mml:mi><mml:mn mathvariant="normal">N</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></ and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ga</mml:mi><mml:msub><mml:mi>Bi</mml:mi><mml:m Physical Review B, 2022, 105, .	3.2	1