Anas I Abutaha

List of Publications by Year
in descending order

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Version: 2024-02-01

16 papers	501 citations	759233 12 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	1207 citing authors

#	Article	IF	Citations
1	Electronic transport descriptors for the rapid screening of thermoelectric materials. Materials Horizons, 2021, 8, 2463-2474.	12.2	16
2	Multiâ€Fidelity Highâ€Throughput Optimization of Electrical Conductivity in P3HTâ€CNT Composites. Advanced Functional Materials, 2021, 31, 2102606.	14.9	20
3	Direct measurement of the thermoelectric properties of electrochemically deposited Bi2Te3 thin films. Scientific Reports, 2020, 10, 17922.	3.3	15
4	Toward Accelerated Thermoelectric Materials and Process Discovery. ACS Applied Energy Materials, 2020, 3, 2240-2257.	5.1	75
5	Correlating charge and thermoelectric transport to paracrystallinity in conducting polymers. Nature Communications, 2020, 11, 1737.	12.8	45
6	Effects Of Structural Phase Transition On Thermoelectric Performance in Lithium-Intercalated Molybdenum Disulfide (Li_xMoS₂). ACS Applied Materials & Interfaces, 2019, 11, 12184-12189.	8.0	31
7	Employing a Bifunctional Molybdate Precursor To Grow the Highly Crystalline MoS₂ for High-Performance Field-Effect Transistors. ACS Applied Materials & Interfaces, 2019, 11, 14239-14248.	8.0	10
8	Multifunctional 0Dâ€“2D Ni₂P Nanocrystalsâ€“Black Phosphorus Heterostructure. Advanced Energy Materials, 2017, 7, 1601285.	19.5	149
9	Enhanced Thermoelectric Figure-of-Merit in Thermally Robust, Nanostructured Superlattices Based on SrTiO₃. Chemistry of Materials, 2015, 27, 2165-2171.	6.7	34
10	Doping site dependent thermoelectric properties of epitaxial strontium titanate thin films. Journal of Materials Chemistry C, 2014, 2, 9712-9719.	5.5	12
11	Integrating carbon nanotubes into silicon by means of vertical carbon nanotube field-effect transistors. Nanoscale, 2014, 6, 8956-8961.	5.6	6
12	Crystal orientation dependent thermoelectric properties of highly oriented aluminum-doped zinc oxide thin films. Applied Physics Letters, 2013, 102, .	3.3	44
13	Laser energy tuning of carrier effective mass and thermopower in epitaxial oxide thin films. Applied Physics Letters, 2012, 100, 162106.	3.3	6
14	Effect of oxygen vacancy distribution on the thermoelectric properties of La-doped SrTiO3 epitaxial thin films. Journal of Applied Physics, 2012, 112, .	2.5	18
15	Modeling the transport properties of epitaxially grown thermoelectric oxide thin films using spectroscopic ellipsometry. Applied Physics Letters, 2012, 100, .	3.3	8
16	Vertically aligned carbon nanotube field-effect transistors. Carbon, 2012, 50, 4628-4632.	10.3	12