

# 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	Multifunctional 2D Ni <sub>2</sub> P Nanocrystals@Black Phosphorus Heterostructure. <i>Advanced Energy Materials</i> , 2017, 7, 1601285.	19.5	149
2	Toward Accelerated Thermoelectric Materials and Process Discovery. <i>ACS Applied Energy Materials</i> , 2020, 3, 2240-2257.	5.1	75
3	Correlating charge and thermoelectric transport to paracrystallinity in conducting polymers. <i>Nature Communications</i> , 2020, 11, 1737.	12.8	45
4	Crystal orientation dependent thermoelectric properties of highly oriented aluminum-doped zinc oxide thin films. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	44
5	Enhanced Thermoelectric Figure-of-Merit in Thermally Robust, Nanostructured Superlattices Based on SrTiO <sub>3</sub> . <i>Chemistry of Materials</i> , 2015, 27, 2165-2171.	6.7	34
6	Effects Of Structural Phase Transition On Thermoelectric Performance in Lithium-Intercalated Molybdenum Disulfide (Li <sub>x</sub> MoS <sub>2</sub> ). <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 12184-12189.	8.0	31
7	Multi-Fidelity High-Throughput Optimization of Electrical Conductivity in P3HT@CNT Composites. <i>Advanced Functional Materials</i> , 2021, 31, 2102606.	14.9	20
8	Effect of oxygen vacancy distribution on the thermoelectric properties of La-doped SrTiO <sub>3</sub> epitaxial thin films. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	18
9	Electronic transport descriptors for the rapid screening of thermoelectric materials. <i>Materials Horizons</i> , 2021, 8, 2463-2474.	12.2	16
10	Direct measurement of the thermoelectric properties of electrochemically deposited Bi <sub>2</sub> Te <sub>3</sub> thin films. <i>Scientific Reports</i> , 2020, 10, 17922.	3.3	15
11	Vertically aligned carbon nanotube field-effect transistors. <i>Carbon</i> , 2012, 50, 4628-4632.	10.3	12
12	Doping site dependent thermoelectric properties of epitaxial strontium titanate thin films. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9712-9719.	5.5	12
13	Employing a Bifunctional Molybdate Precursor To Grow the Highly Crystalline MoS <sub>2</sub> for High-Performance Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14239-14248.	8.0	10
14	Modeling the transport properties of epitaxially grown thermoelectric oxide thin films using spectroscopic ellipsometry. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	8
15	Laser energy tuning of carrier effective mass and thermopower in epitaxial oxide thin films. <i>Applied Physics Letters</i> , 2012, 100, 162106.	3.3	6
16	Integrating carbon nanotubes into silicon by means of vertical carbon nanotube field-effect transistors. <i>Nanoscale</i> , 2014, 6, 8956-8961.	5.6	6