

Yasen Hou

List of Publications by Year in descending order

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15
papers

186
citations

1040056

9
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

408
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple andreev reflections in topological insulator nanoribbons. <i>Current Applied Physics</i> , 2022, 34, 107-111.	2.4	2
2	Nanosecond dynamics in intrinsic topological insulator Bi_2SbSe_3 revealed by time-resolved optical reflectivity. <i>Physical Review B</i> , 2021, 103, .	3.2	1
3	Adjustable Quantum Interference Oscillations in Sb-Doped Bi_2Se_3 Topological Insulator Nanoribbons. <i>ACS Nano</i> , 2020, 14, 14118-14125.	14.6	10
4	Superconducting quantum interference devices made of Sb-doped Bi_2Se_3 topological insulator nanoribbons. <i>Current Applied Physics</i> , 2020, 20, 680-685.	2.4	7
5	Temperature and Gate Dependence of Carrier Diffusion in Single Crystal Methylammonium Lead Iodide Perovskite Microstructures. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1000-1006.	4.6	12
6	Nonlocal Chemical Potential Modulation in Topological Insulators Enabled by Highly Mobile Trapped Charges. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3436-3442.	4.3	4
7	Gate-Modulated Quantum Interference Oscillations in Sb-Doped Bi_2Se_3 Topological Insulator Nanoribbon. <i>Journal of the Korean Physical Society</i> , 2020, 77, 797-801.	0.7	0
8	Ambipolar Topological Insulator and High Carrier Mobility in Solution Grown Ultrathin Nanoplates of Sb-Doped Bi_2Se_3 . <i>ACS Applied Electronic Materials</i> , 2019, 1, 1917-1923.	4.3	11
9	Nanomechanical characterization of quantum interference in a topological insulator nanowire. <i>Nature Communications</i> , 2019, 10, 4522.	12.8	17
10	Millimetre-long transport of photogenerated carriers in topological insulators. <i>Nature Communications</i> , 2019, 10, 5723.	12.8	22
11	On the Use of Photocurrent Imaging To Determine Carrier Diffusion Lengths in Nanostructured Thin-Film Field-Effect Transistors. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18356-18364.	3.1	12
12	In Situ Visualization of Fast Surface Ion Diffusion in Vanadium Dioxide Nanowires. <i>Nano Letters</i> , 2017, 17, 7702-7709.	9.1	12
13	Efficient and Hysteresis-Free Field Effect Modulation of Ambipolarly Doped Vanadium Dioxide Nanowires. <i>Physical Review Applied</i> , 2016, 5, .	3.8	15
14	Photocurrent Mapping in Single-Crystal Methylammonium Lead Iodide Perovskite Nanostructures. <i>Nano Letters</i> , 2016, 16, 7710-7717.	9.1	56
15	Glass-forming ability of Al-Co alloy under rapid annealing. <i>Journal of Applied Physics</i> , 2013, 113, 154306.	2.5	5