

Yasen Hou

List of Publications by Year in descending order

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papers

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1040056

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15
times ranked

408
citing authors

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