

Shawna Hollen

List of Publications by Year in descending order

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21
papers

4,324
citations

1039406

9
h-index

794141

19
g-index

21
all docs

21
docs citations

21
times ranked

9304
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress, Challenges, and Opportunities in Two-Dimensional Materials Beyond Graphene. ACS Nano, 2013, 7, 2898-2926.	7.3	4,062
2	Observation of Giant Positive Magnetoresistance in a Cooper Pair Insulator. Physical Review Letters, 2009, 103, 157001.	2.9	65
3	Impact of vacancies on electronic properties of black phosphorus probed by STM. Journal of Applied Physics, 2018, 123, .	1.1	31
4	Cooper-pair insulator phase in superconducting amorphous Bi films induced by nanometer-scale thickness variations. Physical Review B, 2011, 84, .	1.1	30
5	Painting magnetism on a canvas of graphene. Science, 2016, 352, 415-416.	6.0	24
6	Collapse of the Cooper pair phase coherence length at a superconductor-to-insulator transition. Physical Review B, 2013, 87, .	1.1	21
7	Effects of Impurities on the Electrochemical Characterization of Liquid-Phase Exfoliated Niobium Diselenide Nanosheets. Journal of Physical Chemistry C, 2019, 123, 8671-8680.	1.5	18
8	Modification of electronic surface states by graphene islands on Cu(111). Physical Review B, 2015, 91, .	1.1	13
9	Crystalline hydrogenation of graphene by scanning tunneling microscope tip-induced field dissociation of H ₂ . Carbon, 2017, 124, 97-104.	5.4	13
10	Anisotropic manifestation of short-range magnetic correlations in Ce _{0.6} La _{0.4} RhIn ₅ . Physical Review B, 2004, 69, .	1.1	9
11	Enhanced suppression of superconductivity in amorphous films with nano-scale patterning. Physica C: Superconductivity and Its Applications, 2009, 469, 774-777.	0.6	7
12	Disorder influences the quantum critical transport at a superconductor-to-insulator transition. Physical Review B, 2015, 92, .	1.1	7
13	Native defects in ultra-high vacuum grown graphene islands on Cu(1 1 1). Journal of Physics Condensed Matter, 2016, 28, 034003.	0.7	6
14	Atomic-Scale Investigation of Oxidation at the Black Phosphorus Surface. ACS Applied Electronic Materials, 2021, 3, 4066-4072.	2.0	6
15	Driving a Superconductor to Insulator Transition with Random Gauge Fields. Scientific Reports, 2016, 6, 38166.	1.6	5
16	Thermal Expansion and Magnetostriction of the Ising Antiferromagnet TbNi ₂ Ge ₂ . AIP Conference Proceedings, 2006, . .	0.3	2
17	Cryogenics for lunar exploration. Cryogenics, 2006, 46, 74-81.	0.9	2
18	Cooper pair insulator phase induced in amorphous Pb _{0.9} Bi _{0.1} thin films. Physica C: Superconductivity and Its Applications, 2013, 486, 23-25.	0.6	2

#	ARTICLE	IF	CITATIONS
19	Cooper pair islanding model of insulating nanohoneycomb films. Journal of Physics: Conference Series, 2012, 376, 012002.	0.3	1
20	Fate of the Bose insulator in the limit of strong localization and low Cooper-pair density in ultrathin films. Physical Review B, 2014, 90, .	1.1	0
21	Defect identification and statistics toolbox: automated defect analysis for scanning probe microscopy images. Journal of Physics Condensed Matter, 2021, 33, 045901.	0.7	0