

Heng Ji

List of Publications by Year in descending order

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12
papers

956
citations

1163117

8
h-index

1199594

12
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12
all docs

12
docs citations

12
times ranked

2135
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen stabilization of metallic vanadium dioxide in single-crystal nanobeams. <i>Nature Nanotechnology</i> , 2012, 7, 357-362.	31.5	259
2	Facile Synthesis of Single Crystal Vanadium Disulfide Nanosheets by Chemical Vapor Deposition for Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2015, 27, 5605-5609.	21.0	241
3	Modulation of the Electrical Properties of VO ₂ Nanobeams Using an Ionic Liquid as a Gating Medium. <i>Nano Letters</i> , 2012, 12, 2988-2992.	9.1	148
4	<i>In Situ</i> Diffraction Study of Catalytic Hydrogenation of VO ₂ : Stable Phases and Origins of Metallicity. <i>Journal of the American Chemical Society</i> , 2014, 136, 8100-8109.	13.7	67
5	Hydrogen Diffusion and Stabilization in Single-Crystal VO ₂ Micro/Nanobeams by Direct Atomic Hydrogenation. <i>Nano Letters</i> , 2014, 14, 5445-5451.	9.1	65
6	Very large magnetoresistance in Fe _{1-x} VO ₂ crystals. <i>Physical Review B</i> , 2015, 91, .	3.2	61
7	Sequential insulator-metal-insulator phase transitions of V ₂ O ₂ triggered by hydrogen doping. <i>Physical Review B</i> , 2017, 96, .	3.2	53
8	Enhanced electron coherence in atomically thin Nb ₃ SiTe ₆ . <i>Nature Physics</i> , 2015, 11, 471-476.	16.7	46
9	Templated growth of quasi-one dimensional molecular structures on Si(111)-(4×1) surface. <i>Surface Science</i> , 2009, 603, L70-L73.	1.9	7
10	Nanostructure investigations of nonlinear differential conductance in NdNiO ₃ thin films. <i>Physical Review B</i> , 2014, 90, .	3.2	6
11	Mesoscopic quantum effects in a bad metal, hydrogen-doped vanadium dioxide. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 185601.	1.8	2
12	Thermally driven analog of the Barkhausen effect at the metal-insulator transition in vanadium dioxide. <i>Applied Physics Letters</i> , 2014, 105, 131902.	3.3	1