

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	Mesoscopic quantum effects in a bad metal, hydrogen-doped vanadium dioxide. Journal of Physics Condensed Matter, 2017, 29, 185601.	1.8	2
2	Sequential insulator-metal-insulator phase transitions of $V_{1-x}O_{2x}$ triggered by hydrogen doping. Physical Review B, 2017, 96, .	3.2	53
3	Facile Synthesis of Single Crystal Vanadium Disulfide Nanosheets by Chemical Vapor Deposition for Efficient Hydrogen Evolution Reaction. Advanced Materials, 2015, 27, 5605-5609.	21.0	241
4	Very large magnetoresistance in $VO_{2-x}Fe_x$ crystals. Physical Review B, 2015, 91, .	16.7	46
5	Enhanced electron coherence in atomically thin Nb_3SiTe_6 . Nature Physics, 2015, 11, 471-476.	3.3	1
6	Thermally driven analog of the Barkhausen effect at the metal-insulator transition in vanadium dioxide. Applied Physics Letters, 2014, 105, 131902.	3.2	6
7	Nanostructure investigations of nonlinear differential conductance in NdNiO_3 thin films. Physical Review B, 2014, 90, .	9.1	65
8	Hydrogen Diffusion and Stabilization in Single-Crystal VO_2 Micro/Nanobeams by Direct Atomic Hydrogenation. Nano Letters, 2014, 14, 5445-5451.	13.7	67
9	<i>In Situ</i> Diffraction Study of Catalytic Hydrogenation of VO_2 : Stable Phases and Origins of Metallicity. Journal of the American Chemical Society, 2014, 136, 8100-8109.	9.1	148
10	Modulation of the Electrical Properties of VO_2 Nanobeams Using an Ionic Liquid as a Gating Medium. Nano Letters, 2012, 12, 2988-2992.	31.5	259
11	Hydrogen stabilization of metallic vanadium dioxide in single-crystal nanobeams. Nature Nanotechnology, 2012, 7, 357-362.	1.9	7
12	Templated growth of quasi-one dimensional molecular structures on $\text{Si}(111)-(4\times 1)\sqrt{3}$ surface. Surface Science, 2009, 603, L70-L73.		