

Min-Han Lee

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,421
citations

759055

12
h-index

752573

20
g-index

22
all docs

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docs citations

22
times ranked

2453
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Observation of the Electrically Triggered Insulator-Metal Transition in V ₃ O ₅ Far below the Transition Temperature. <i>Physical Review X</i> , 2022, 12, .	2.8	13
2	Determining the Oxygen Stoichiometry of Cobaltite Thin Films. <i>Chemistry of Materials</i> , 2022, 34, 2076-2084.	3.2	2
3	Stress-tailoring magnetic anisotropy of V_2O_3 bilayers. <i>Physical Review Materials</i> , 2022, 6, .	0.9	0
4	Controlling Metal-Insulator Transitions in Vanadium Oxide Thin Films by Modifying Oxygen Stoichiometry. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 887-896.	4.0	24
5	<i>Operando</i> characterization of conductive filaments during resistive switching in Mott VO ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
6	A hybrid optoelectronic Mott insulator. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	8
7	Cation and anion topotactic transformations in cobaltite thin films leading to Ruddlesden-Popper phases. <i>Physical Review Materials</i> , 2021, 5, .	0.9	7
8	In-situ electron microscopy study of non-volatile resistive switching in Mott insulator VO ₂ . <i>Microscopy and Microanalysis</i> , 2021, 27, 2162-2164.	0.2	0
9	Spatiotemporal characterization of the field-induced insulator-to-metal transition. <i>Science</i> , 2021, 373, 907-911.	6.0	52
10	Inherent stochasticity during insulator-metal transition in VO ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
11	Imaging the itinerant-to-localized transmutation of electrons across the metal-to-insulator transition in V ₂ O ₃ . <i>Science Advances</i> , 2021, 7, eabj1164.	4.7	6
12	Acoustoelectric drag current in vanadium oxide films. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	2
13	Structural Manipulation of Phase Transitions by Self-Induced Strain in Geometrically Confined Thin Films. <i>Advanced Functional Materials</i> , 2020, 30, 2005939.	7.8	17
14	Detection of uncompensated magnetization at the interface of an epitaxial antiferromagnetic insulator. <i>Physical Review B</i> , 2020, 102, .	1.1	1
15	Quantifying inactive lithium in lithium metal batteries. <i>Nature</i> , 2019, 572, 511-515.	13.7	852
16	Robust Coupling between Structural and Electronic Transitions in a Mott Material. <i>Physical Review Letters</i> , 2019, 122, 057601.	2.9	54
17	Subthreshold firing in Mott nanodevices. <i>Nature</i> , 2019, 569, 388-392.	13.7	139
18	Resistive asymmetry due to spatial confinement in first-order phase transitions. <i>Physical Review B</i> , 2018, 98, .	1.1	10

#	ARTICLE	IF	CITATIONS
19	Competing Anisotropy-Tunneling Correlation of the CoFeB/MgO Perpendicular Magnetic Tunnel Junction: An Electronic Approach. Scientific Reports, 2015, 5, 17169.	1.6	16
20	Structural imperfections and attendant localized/itinerant ferromagnetism in ZnO nanoparticles. Journal Physics D: Applied Physics, 2014, 47, 345003.	1.3	18
21	Soft and hard natures of Nd ₂ Fe ₁₄ B permanent magnet explored by first-order-reversal-curves. Journal of Magnetism and Magnetic Materials, 2014, 370, 45-53.	1.0	28
22	A facile green antisolvent approach to Cu ²⁺ -doped ZnO nanocrystals with visible-light-responsive photoactivities. Nanoscale, 2014, 6, 8796.	2.8	142