

Min-Han Lee

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,421
citations

759233

12
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

2453
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying inactive lithium in lithium metal batteries. <i>Nature</i> , 2019, 572, 511-515.	27.8	852
2	A facile green antisolvent approach to Cu ²⁺ -doped ZnO nanocrystals with visible-light-responsive photoactivities. <i>Nanoscale</i> , 2014, 6, 8796.	5.6	142
3	Subthreshold firing in Mott nanodevices. <i>Nature</i> , 2019, 569, 388-392.	27.8	139
4	Robust Coupling between Structural and Electronic Transitions in a Mott Material. <i>Physical Review Letters</i> , 2019, 122, 057601.	7.8	54
5	Spatiotemporal characterization of the field-induced insulator-to-metal transition. <i>Science</i> , 2021, 373, 907-911.	12.6	52
6	Soft and hard natures of Nd ₂ Fe ₁₄ B permanent magnet explored by first-order-reversal-curves. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 370, 45-53.	2.3	28
7	Controlling Metal-Insulator Transitions in Vanadium Oxide Thin Films by Modifying Oxygen Stoichiometry. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 887-896.	8.0	24
8	Structural imperfections and attendant localized/itinerant ferromagnetism in ZnO nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 345003.	2.8	18
9	Structural Manipulation of Phase Transitions by Self-Induced Strain in Geometrically Confined Thin Films. <i>Advanced Functional Materials</i> , 2020, 30, 2005939.	14.9	17
10	Competing Anisotropy-Tunneling Correlation of the CoFeB/MgO Perpendicular Magnetic Tunnel Junction: An Electronic Approach. <i>Scientific Reports</i> , 2015, 5, 17169.	3.3	16
11	<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, .	7.1	15
12	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, .	7.1	15
13	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, .	8.9	13
14	Resistive asymmetry due to spatial confinement in first-order phase transitions. <i>Physical Review B</i> , 2018, 98, .	3.2	10
15	A hybrid optoelectronic Mott insulator. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	8
16	Cation and anion topotactic transformations in cobaltite thin films leading to Ruddlesden-Popper phases. <i>Physical Review Materials</i> , 2021, 5, .	2.4	7
17	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.	10.3	6
18	Acoustoelectric drag current in vanadium oxide films. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	2

#	ARTICLE	IF	CITATIONS
19	Determining the Oxygen Stoichiometry of Cobaltite Thin Films. Chemistry of Materials, 2022, 34, 2076-2084.	6.7	2
20	Detection of uncompensated magnetization at the interface of an epitaxial antiferromagnetic insulator. Physical Review B, 2020, 102, .	3.2	1
21	In-situ electron microscopy study of non-volatile resistive switching in Mott insulator VO ₂ . Microscopy and Microanalysis, 2021, 27, 2162-2164.	0.4	0
22	Stress-tailoring magnetic anisotropy of V_2O_3 bilayers. Physical Review Materials, 2022, 6, .	2.4	0