

Changhee Sohn

List of Publications by Year in descending order

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24
papers

513
citations

623734

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25
all docs

25
docs citations

25
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain-driven autonomous control of cation distribution for artificial ferroelectrics. Science Advances, 2021, 7, .	10.3	5
2	Influence of Heterointerfaces on the Kinetics of Oxygen Surface Exchange on Epitaxial La _{1.85} Sr _{0.15} CuO ₄ Thin Films. Applied Sciences (Switzerland), 2021, 11, 3778.	2.5	7
3	Correlated oxide Dirac semimetal in the extreme quantum limit. Science Advances, 2021, 7, eabf9631.	10.3	19
4	Versatile Tunability of the Metal Insulator Transition in (TiO ₂) _m /(VO ₂) _m Superlattices. Advanced Functional Materials, 2020, 30, 2004914.	14.9	4
5	Templated epitaxy of TiO ₂ (B) on a perovskite. Applied Physics Letters, 2020, 117, .	3.3	8
6	Metal-insulator transition tuned by oxygen vacancy migration across TiO ₂ /VO ₂ interface. Scientific Reports, 2020, 10, 18554.	3.3	24
7	Photoemission and dynamical mean field theory study of electronic correlations in a t _{2g} 5 metal SrRhO ₃ thin film. Physical Review B, 2020, 101, .	3.2	1
8	Pulsed-laser epitaxy of metallic delafossite PdCrO ₂ films. APL Materials, 2020, 8, .	5.1	25
9	Interfacial tuning of chiral magnetic interactions for large topological Hall effects in LaMnO ₃ /SrIrO ₃ heterostructures. Science Advances, 2020, 6, eaaz3902.	10.3	50
10	Binary Oxide Superlattices: Versatile Tunability of the Metal Insulator Transition in (TiO ₂) _m /(VO ₂) _m Superlattices (Adv.) Tj ETQq0 0.9gBT / Overlock 10	14.9	4
11	Competing phases in epitaxial vanadium dioxide at nanoscale. APL Materials, 2019, 7, .	5.1	8
12	Metal-insulator transition in (111) SrRuO ₃ ultrathin films. APL Materials, 2019, 7, 091106.	5.1	15
13	Large orbital polarization in nickelate-cuprate heterostructures by dimensional control of oxygen coordination. Nature Communications, 2019, 10, 589.	12.8	37
14	Room-Temperature Ferromagnetic Insulating State in Cation-Ordered Double-Perovskite Sr ₂ Fe _{1+x} Re _{1-x} O ₆ Films. Advanced Materials, 2019, 31, e1805389.	11.5	21
15	Optical response of BiFeO ₃ films subjected to uniaxial strain. Physical Review Materials, 2019, 3, .	2.4	3
16	Oxygen Diode Formed in Nickelate Heterostructures by Chemical Potential Mismatch. Advanced Materials, 2018, 30, e1705904.	21.0	40
17	Strain control of oxygen kinetics in the Ruddlesden-Popper oxide La _{1.85} Sr _{0.15} CuO ₄ . Nature Communications, 2018, 9, 92.	12.8	38
18	Metal-insulator Transition: Spectroscopic Studies on the Metal-insulator Transition Mechanism in Correlated Materials (Adv. Mater. 42/2018). Advanced Materials, 2018, 30, 1870318.	21.0	2

#	ARTICLE	IF	CITATIONS
19	Spectroscopic Studies on the Metal-Insulator Transition Mechanism in Correlated Materials. <i>Advanced Materials</i> , 2018, 30, e1704777.	21.0	18
20	Nanoscale Control of Oxygen Defects and Metal-Insulator Transition in Epitaxial Vanadium Dioxides. <i>ACS Nano</i> , 2018, 12, 7159-7166.	14.6	41
21	Charge Transfer in Iridate-Manganite Superlattices. <i>Nano Letters</i> , 2017, 17, 2126-2130.	9.1	53
22	Stretching Epitaxial $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$ for Fast Oxygen Reduction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25651-25658.	3.1	38
23	Electronic and magnetic properties of epitaxial SrRhO_3 films. <i>Physical Review B</i> , 2017, 95, .	3.2	6
24	Electronic structure and insulating gap in epitaxial VO_2 polymorphs. <i>APL Materials</i> , 2015, 3, .	5.1	47