

Changhee Sohn

List of Publications by Year in descending order

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papers

513
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623734

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all docs

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docs citations

25
times ranked

1091
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge Transfer in Iridate-Manganite Superlattices. Nano Letters, 2017, 17, 2126-2130.	9.1	53
2	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
3	Electronic structure and insulating gap in epitaxial VO ₂ polymorphs. APL Materials, 2015, 3, .	5.1	47
4	Nanoscale Control of Oxygen Defects and Metal-Insulator Transition in Epitaxial Vanadium Dioxides. ACS Nano, 2018, 12, 7159-7166.	14.6	41
5	Oxygen Diode Formed in Nickelate Heterostructures by Chemical Potential Mismatch. Advanced Materials, 2018, 30, e1705904.	21.0	40
6	Stretching Epitaxial La _{0.6} Sr _{0.4} CoO ₃ for Fast Oxygen Reduction. Journal of Physical Chemistry C, 2017, 121, 25651-25658.	3.1	38
7	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
8	Large orbital polarization in nickelate-cuprate heterostructures by dimensional control of oxygen coordination. Nature Communications, 2019, 10, 589.	12.8	37
9	Pulsed-laser epitaxy of metallic delafossite PdCrO ₂ films. APL Materials, 2020, 8, .	5.1	25
10	Metal-insulator transition tuned by oxygen vacancy migration across TiO ₂ /VO ₂ interface. Scientific Reports, 2020, 10, 18554.	3.3	24
11	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.	11.0	21
12	Correlated oxide Dirac semimetal in the extreme quantum limit. Science Advances, 2021, 7, eabf9631.	10.3	19
13	Spectroscopic Studies on the Metal-Insulator Transition Mechanism in Correlated Materials. Advanced Materials, 2018, 30, e1704777.	21.0	18
14	Metal-insulator transition in (111) SrRuO ₃ ultrathin films. APL Materials, 2019, 7, 091106.	5.1	15
15	Competing phases in epitaxial vanadium dioxide at nanoscale. APL Materials, 2019, 7, .	5.1	8
16	Templated epitaxy of TiO ₂ (B) on a perovskite. Applied Physics Letters, 2020, 117, .	3.3	8
17	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
18	Electronic and magnetic properties of epitaxial SrRhO ₃ films. Physical Review B, 2017, 95, .	3.2	6

#	ARTICLE	IF	CITATIONS
19	Strain-driven autonomous control of cation distribution for artificial ferroelectrics. <i>Science Advances</i> , 2021, 7, .	10.3	5
20	Versatile Tunability of the Metal Insulator Transition in $(\text{TiO}_2)_m/(\text{VO}_2)_m$ Superlattices. <i>Advanced Functional Materials</i> , 2020, 30, 2004914.	14.9	4
21	Optical response of BiFeO_3 films subjected to uniaxial strain. <i>Physical Review Materials</i> , 2019, 3, .	2.4	3
22	Binary Oxide Superlattices: Versatile Tunability of the Metal Insulator Transition in $(\text{TiO}_2)_m/(\text{VO}_2)_m$ Superlattices (Adv.) <i>Tj ETQq0 0.49gBT / Overlock 10</i>	14.9	4
23	Metal-Insulator Transition: Spectroscopic Studies on the Metal-Insulator Transition Mechanism in Correlated Materials (Adv. Mater. 42/2018). <i>Advanced Materials</i> , 2018, 30, 1870318.	21.0	2
24	Photoemission and dynamical mean field theory study of electronic correlations in a t_2g^5 metal SrRhO_3 thin film. <i>Physical Review B</i> , 2020, 101, .	3.2	1