

Eun Ju Moon

List of Publications by Year in descending order

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31
papers

2,762
citations

394421

19
h-index

477307

29
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31
all docs

31
docs citations

31
times ranked

4361
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of 2D Molybdenum Carbide (MXene). <i>Advanced Functional Materials</i> , 2016, 26, 3118-3127.	14.9	945
2	Control of electronic properties of 2D carbides (MXenes) by manipulating their transition metal layers. <i>Nanoscale Horizons</i> , 2016, 1, 227-234.	8.0	394
3	Experimental and theoretical characterization of ordered MAX phases Mo ₂ TiAlC ₂ and Mo ₂ Ti ₂ AlC ₃ . <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	217
4	Asymmetric Orbital-Lattice Interactions in Ultrathin Correlated Oxide Films. <i>Physical Review Letters</i> , 2011, 107, 116805.	7.8	158
5	Synthesis of Two-Dimensional Nb _{1.33} C (MXene) with Randomly Distributed Vacancies by Etching of the Quaternary Solid Solution (Nb _{2/3} Sc _{1/3}) ₂ AlC MAX Phase. <i>ACS Applied Nano Materials</i> , 2018, 1, 2455-2460.	5.0	154
6	Effect of Interfacial Octahedral Behavior in Ultrathin Manganite Films. <i>Nano Letters</i> , 2014, 14, 2509-2514.	9.1	121
7	Towards 3D Mapping of BO ₆ Octahedron Rotations at Perovskite Heterointerfaces, Unit Cell by Unit Cell. <i>ACS Nano</i> , 2015, 9, 8412-8419.	14.6	78
8	Electronic and optical characterization of 2D Ti ₂ C and Nb ₂ C (MXene) thin films. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 165301.	1.8	74
9	Spatial control of functional properties via octahedral modulations in complex oxide superlattices. <i>Nature Communications</i> , 2014, 5, 5710.	12.8	69
10	Variable range hopping and thermally activated transport in molybdenum-based MXenes. <i>Physical Review B</i> , 2018, 98, .	3.2	66
11	Fluorination of Epitaxial Oxides: Synthesis of Perovskite Oxyfluoride Thin Films. <i>Journal of the American Chemical Society</i> , 2014, 136, 2224-2227.	13.7	65
12	Solid Solubility and Magnetism upon Mn Incorporation in the Bulk Ternary Carbides Cr ₂ AlC and Cr ₂ GaC. <i>Materials Research Letters</i> , 2015, 3, 16-22.	8.7	62
13	Epitaxial growth of (111)-oriented LaAlO ₃ /LaNiO ₃ ultra-thin superlattices. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	51
14	Evidence of a magnetic transition in atomically thin Cr ₂ TiC ₂ T _x MXene. <i>Nanoscale Horizons</i> , 2020, 5, 1557-1565.	8.0	51
15	Control of Functional Responses Via Reversible Oxygen Loss in La _{1-x} Sr _x FeO ₃ Films. <i>Advanced Materials</i> , 2014, 26, 1434-1438.	21.0	41
16	Tailoring manganese oxide with atomic precision to increase surface site availability for oxygen reduction catalysis. <i>Nature Communications</i> , 2018, 9, 4034.	12.8	41
17	Polar Oxides without Inversion Symmetry through Vacancy and Chemical Order. <i>Journal of the American Chemical Society</i> , 2017, 139, 2833-2841.	13.7	34
18	Sub-monolayer nucleation and growth of complex oxides at high supersaturation and rapid flux modulation. <i>Journal of Applied Physics</i> , 2011, 109, 114303.	2.5	23

#	ARTICLE	IF	CITATIONS
19	Synthesis, Structure, and Spectroscopy of Epitaxial EuFeO ₃ Thin Films. Crystal Growth and Design, 2015, 15, 1105-1111.	3.0	19
20	Field-effect diode based on electron-induced Mott transition in NdNiO ₃ . Applied Physics Letters, 2012, 101, 143111.	3.3	18
21	The change of saturation magnetization in neutron-irradiated low-alloy steel. Physica B: Condensed Matter, 2003, 327, 315-318.	2.7	14
22	Epitaxial stabilization of ultra-thin films of EuNiO ₃ . Journal Physics D: Applied Physics, 2013, 46, 385303.	2.8	13
23	Plasmon Response of a Quantum-Confined Electron Gas Probed by Core-Level Photoemission. Physical Review Letters, 2011, 106, 197601.	7.8	12
24	Controlled Self-Organization of Atom Vacancies in Monatomic Gallium Layers. Physical Review Letters, 2007, 99, 116102.	7.8	10
25	Strain Effects in Narrow-Bandwidth Manganites: The Case of Epitaxial $\text{Eu}_{0.7}\text{Mn}_{0.3}\text{O}_2$ Films. Physical Review Applied, 2014, 1, .	3.8	9
26	Electronic transition above room temperature in CaMn ₇ O ₁₂ films. Applied Physics Letters, 2015, 107, 142901.	3.3	9
27	The GMI profiles of surface-removed amorphous ribbon. Physica B: Condensed Matter, 2003, 327, 357-359.	2.7	8
28	Strain-Controlled Epitaxial Stabilization in Ultrathin LaNiO ₃ Films Grown by Pulsed Laser Deposition. Crystal Growth and Design, 2013, 13, 2256-2259.	3.0	5
29	AIR-GAP CORRECTION FOR HIGH POWER MICROWAVE MEASUREMENTS OF CONDUCTIVE MATERIALS. Progress in Electromagnetics Research C, 2021, 108, 1-12.	0.9	1
30	Influence of interface reconstruction on the formation and superconductive properties of metastable Pb-Ga alloy films. Physical Review B, 2011, 84, .	3.2	0
31	Tracking BO 6 Coupling in Perovskite Superlattices to Engineer Magnetic Interface Behavior. Microscopy and Microanalysis, 2016, 22, 904-905.	0.4	0