

Xue Rui

List of Publications by Year in descending order

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17
papers

1,205
citations

1040056

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996975

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17
all docs

17
docs citations

17
times ranked

1710
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent surface modifications and superconductivity of two-dimensional metal carbide MXenes. Science, 2020, 369, 979-983.	12.6	870
2	Dynamically Stable Active Sites from Surface Evolution of Perovskite Materials during the Oxygen Evolution Reaction. Journal of the American Chemical Society, 2021, 143, 2741-2750.	13.7	156
3	Dynamic Study of Liquid Drop Impact on Supercooled Cerium Dioxide: Anti-Icing Behavior. Langmuir, 2016, 32, 6148-6162.	3.5	38
4	Liquid Ammonia Chemical Lithiation: An Approach for High-Energy and High-Voltage Siâ€“Graphite Li_{1+x}Ni_{0.5}Mn_{1.5}O₄ Li-Ion Batteries. ACS Applied Energy Materials, 2019, 2, 5019-5028.	5.1	31
5	Antiferromagnetic defect structure in LaNiO_3 single crystals. Physical Review Materials, 2018, 2, .	2.4	30
6	Synthesis of Type I PbSe/CdSe Dot-on-Plate Heterostructures with Near-Infrared Emission. Journal of the American Chemical Society, 2019, 141, 5092-5096.	13.7	25
7	Atomic-resolution <i>in-situ</i> cooling study of oxygen vacancy ordering in $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ thin films. Applied Physics Letters, 2019, 114, .	3.3	16
8	Experimental verification of orbital engineering at the atomic scale: Charge transfer and symmetry breaking in nickelate heterostructures. Physical Review B, 2017, 95, .	3.2	12
9	Preparation of Ti_2C MXene phase by ion beam sputtering and ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2020, 469, 49-51.	1.4	10
10	Effect of Ar^+ irradiation of Ti_3InC_2 at different ion beam fluences. Surface and Coatings Technology, 2020, 394, 125834.	4.8	8
11	Ti_2SnC and Ti_2InC Nanolaminates by Low Energy Ion Facility (LEIF) and Their Resistance Towards Ar^+ Ion Bombardment. Microscopy and Microanalysis, 2019, 25, 1630-1631.	0.4	3
12	Atomic-resolution study of oxygen vacancy ordering in $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ thin films on SrTiO_3 during in situ cooling experiments.. Microscopy and Microanalysis, 2018, 24, 84-85.	0.4	2
13	Radiation Stability of Ti_2InC (M_2AX) Nanolaminates Under He Ions Irradiation â€“ Evaluation Through STEM microscopy. Microscopy and Microanalysis, 2019, 25, 1624-1625.	0.4	2
14	Atomic-scale characterization of the oxygen vacancy ordering in $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ thin film grown on SrTiO_3 using in-situ cooling experiments. Microscopy and Microanalysis, 2016, 22, 1626-1627.	0.4	1
15	Identical Location STEM analysis on $\text{La}_x\text{Sr}_{1-x}\text{CoO}_3$ Oxygen-Evolution Catalysts. Microscopy and Microanalysis, 2019, 25, 2052-2053.	0.4	1
16	Studying the effects of interfacial coupling in $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ thin films on SrTiO_3 using in-situ cooling experiments. Microscopy and Microanalysis, 2017, 23, 850-851.	0.4	0
17	Radiation Resistant Layered Ti_3AlC_2 Ceramics Prepared by LEIF. Microscopy and Microanalysis, 2019, 25, 1632-1633.	0.4	0