Felix Hensling

List of Publications by Year
in descending order

16	244	933447 10	940533 16
papers	citations	h-index	g-index

17	17	17	469
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extending the Kinetic and Thermodynamic Limits of Molecular-Beam Epitaxy Utilizing Suboxide Sources or Metal-Oxide-Catalyzed Epitaxy. Physical Review Applied, 2022, 17, .	3.8	11
2	Canonical approach to cation flux calibration in oxide molecular-beam epitaxy. Physical Review Materials, 2022, 6, .	2.4	8
3	Trade-off between variability and retention of memristive epitaxial SrTiO3 devices. APL Materials, 2021, 9, .	5.1	13
4	Adsorption-controlled growth of Ga2O3 by suboxide molecular-beam epitaxy. APL Materials, 2021, 9, .	5.1	38
5	Epitaxial stannate pyrochlore thin films: Limitations of cation stoichiometry and electron doping. APL Materials, 2021, 9, .	5.1	3
6	Local inhomogeneities resolved by scanning probe techniques and their impact on local 2DEG formation in oxide heterostructures. Nanoscale Advances, 2021, 3, 4145-4155.	4.6	2
7	SrTiO₃ termination control: a method to tailor the oxygen exchange kinetics. Materials Research Letters, 2020, 8, 31-40.	8.7	14
8	Antiphase Boundaries Constitute Fast Cation Diffusion Paths in SrTiO₃ Memristive Devices. Advanced Functional Materials, 2020, 30, 2004118.	14.9	19
9	Behavior of cation vacancies in single-crystal and in thin-film <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> : The importance of strontium vacancies and their defect associates. Physical Review Materials, 2020, 4, .	2.4	8
10	Engineering antiphase boundaries in epitaxial SrTiO3 to achieve forming free memristive devices. APL Materials, 2019, 7, .	5.1	13
11	Development of Epitaxial Thin Film Model Electrodes for the Systematic Investigation of Metal Exsolution from MIEC Perovskite Oxides. ECS Transactions, 2019, 91, 1783-1789.	0.5	2
12	In-Gap States and Band-Like Transport in Memristive Devices. Nano Letters, 2019, 19, 54-60.	9.1	22
13	Tailoring the switching performance of resistive switching SrTiO3 devices by SrO interface engineering. Solid State Ionics, 2018, 325, 247-250.	2.7	13
14	UV radiation enhanced oxygen vacancy formation caused by the PLD plasma plume. Scientific Reports, 2018, 8, 8846.	3.3	36
15	Structure and orbital ordering of ultrathin LaVO3probed by atomic resolution electron microscopy and Raman spectroscopy. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1600350.	2.4	4
16	Unraveling the enhanced Oxygen Vacancy Formation in Complex Oxides during Annealing and Growth. Scientific Reports, 2017, 7, 39953.	3.3	37