

Felix Hensling

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Adsorption-controlled growth of Ga ₂ O ₃ by suboxide molecular-beam epitaxy. <i>APL Materials</i> , 2021, 9, .	5.1	38
2	Unraveling the enhanced Oxygen Vacancy Formation in Complex Oxides during Annealing and Growth. <i>Scientific Reports</i> , 2017, 7, 39953.	3.3	37
3	UV radiation enhanced oxygen vacancy formation caused by the PLD plasma plume. <i>Scientific Reports</i> , 2018, 8, 8846.	3.3	36
4	In-Gap States and Band-Like Transport in Memristive Devices. <i>Nano Letters</i> , 2019, 19, 54-60.	9.1	22
5	Antiphase Boundaries Constitute Fast Cation Diffusion Paths in SrTiO ₃ Memristive Devices. <i>Advanced Functional Materials</i> , 2020, 30, 2004118.	14.9	19
6	SrTiO ₃ termination control: a method to tailor the oxygen exchange kinetics. <i>Materials Research Letters</i> , 2020, 8, 31-40.	8.7	14
7	Tailoring the switching performance of resistive switching SrTiO ₃ devices by SrO interface engineering. <i>Solid State Ionics</i> , 2018, 325, 247-250.	2.7	13
8	Engineering antiphase boundaries in epitaxial SrTiO ₃ to achieve forming free memristive devices. <i>APL Materials</i> , 2019, 7, .	5.1	13
9	Trade-off between variability and retention of memristive epitaxial SrTiO ₃ devices. <i>APL Materials</i> , 2021, 9, .	5.1	13
10	Extending the Kinetic and Thermodynamic Limits of Molecular-Beam Epitaxy Utilizing Suboxide Sources or Metal-Oxide-Catalyzed Epitaxy. <i>Physical Review Applied</i> , 2022, 17, .	3.8	11
11	Behavior of cation vacancies in single-crystal and in thin-film SrTiO_3 : The importance of strontium vacancies and their defect associates. <i>Physical Review Materials</i> , 2020, 4, .	2.4	8
12	Canonical approach to cation flux calibration in oxide molecular-beam epitaxy. <i>Physical Review Materials</i> , 2022, 6, .	2.4	8
13	Structure and orbital ordering of ultrathin LaVO ₃ probed by atomic resolution electron microscopy and Raman spectroscopy. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1600350.	2.4	4
14	Epitaxial stannate pyrochlore thin films: Limitations of cation stoichiometry and electron doping. <i>APL Materials</i> , 2021, 9, .	5.1	3
15	Development of Epitaxial Thin Film Model Electrodes for the Systematic Investigation of Metal Exsolution from MIEC Perovskite Oxides. <i>ECS Transactions</i> , 2019, 91, 1783-1789.	0.5	2
16	Local inhomogeneities resolved by scanning probe techniques and their impact on local 2DEG formation in oxide heterostructures. <i>Nanoscale Advances</i> , 2021, 3, 4145-4155.	4.6	2