

Poster Session

P1	H. Boschker	Thermal Laser Epitaxy
P2	B. A. Davidson	Codeposition growth of SrTiO ₃ (001) films: influence of flux-matching and surface termination on the in situ electron diffraction images
P3	K. de Hond	Growth control of HZO for superlattices
P4	S. Mondal	Microwave assisted synthesis and characterization of thick orthorhombic doped-HfO ₂ thin films
P5	M. Nunnenkamp	Influence of perovskite buffer on CNO nanosheet templated PZT for High electron mobility transistor devices
P6	D. Pfützenreuter	Epitaxial BaSnO ₃ thin films without extended defects on lattice matched LaInO ₃ substrates
P7	C. Sanna	La _{0.6} Sr _{0.4} MnO ₃ nanofibers for direct methane solid oxide fuel cell anodes: a structural and catalytic study
P8	S. Sanna	Crystalline Gadolinium doped Ceria free-standing membranes for new classes of water splitting devices based on thin films technologies
P9	A. Baki	Sr-deficiency induced resistive switching in SrTiO ₃ thin films grown by MOVPE
P10	L. Bégon-Lours	CMOS-compatible ferroelectric synapses for neuromorphic circuits
P11	R. Erlandsen	Next-generation magnetoresistive devices using oxide platforms
P12	A. Haque	SrVO ₃ as a bottom electrode for Ferroelectric BaTiO ₃ on SrTiO ₃
P13	S. Huang	Reversible polarization switching in leaky ferroelectrics through “Cut and Stick” ionic gel induced electrostatic field effect
P14	W. Stein	The Laser Beam, a sensitive Tool - the Path from the Laser to the Substrate
P15	L. Iglesias	Point defect and grain boundary engineering in metal oxide valence change type memristive devices
P16	T. J. Park	Complex synaptic behavior in strongly correlated rare-earth nickelates
P17	R. Satya	Epitaxial VO ₂ on Si 100 via TiN buffer layer for CMOS applications
P18	Q. Wang	NdNiO ₃ Electrochromic Windows
P19	A. Demkov	Microstructure and electro-optic response of thick epitaxial BaTiO ₃ films integrated on silicon (001) by molecular beam epitaxy
P20	U. Filippozzi	Self-sealing Pressure Sensors from Free-standing Complex Oxides
P21	N. Manca	Mechanical properties of magnetic (La _{0.7} ,Sr _{0.3})MnO ₃ MEMS
P22	L. Pellegrino	Development of nano-actuators based on VO ₂ thin films
P23	A. E. Plaza	Fabrication of freestanding oxide microstructures on SrTiO ₃ substrates: the combined effect of etching anisotropy and crystal cut
P24	S. Ni	Epitaxial growth and interface engineering of PMN-PT thin films
P25	P. Blah	Anomalous Hall Effect in Ultrathin Crystalline Strontium Ruthenate Membranes
P26	K.-T. Eom	Electronically reconfigurable complex-oxide heterostructure free-standing membranes
P27	S. Lindemann	Low-voltage magnetoelectric coupling in membrane heterostructures
P28	M. Matthiesen	Terahertz strain cavities from free-standing oxide films
P29	P. Ngabonziza	Inelastic Electron Tunneling Spectroscopy of Oxide Heterostructures at High-Temperatures

P30	M. R. Barone	Toward the first Ruddlesden-Popper with out-of-plane ferroelectricity for low loss tunable dielectrics
P31	J. Bréhin	Ferroelectric control of transport and spin-orbitronic properties in a Ca:SrTiO ₃ -based two-dimensional electron gas
P32	S. Godin	Nitrogen substituting oxygen in strongly correlated NiO films
P33	SrijaniMallik	From low-field Sondheimer oscillations to high-field very large and linear magnetoresistance in a SrTiO ₃ -based two dimensional electron gas
P34	Mamta Arya	Ta-doped SrTiO ₃ epitaxial thin films for transparent electronics
P35	G. De Luca	Charge-transfer control in double-perovskite polar heterointerfaces
P36	G. Herranz	Spin-photon coupling mediated by spin-orbit coupling and Jahn-Teller modes
P37	J. Hu	Tunable spin transport in graphene/Tm ₃ Fe ₅ O ₁₂ heterostructures
P38	A. K. Jaiswal	Proximity induced ferromagnetism in SrIrO ₃
P39	J. Jia	Dynamic control of octahedra rotation in perovskites by defect engineering
P40	D. Y. Kim	Oxide Films Grown by Thermal Laser Epitaxy
P41	S. Kumar	Optoelectronic properties of SrNbO ₃ epitaxial thin films
P42	B. Leikert	Impact of strain and dimensionality on thin films of the Mott insulator LaTiO ₃
P43	D. Monteiro Cunha	Self-assembled vertically aligned nanocomposites for solid-state batteries
P44	R. Roemer	Origin of the correlation between Curie temperature and carrier concentration in 2D ferromagnetic Fe ₃ GeTe ₂ monolayer and multilayer
P45	H. Shin	Ferromagnetic 2DEG at the LaTiO ₃ /EuTiO ₃ interface
P46	K. Shin	Polarity-driven atomic displacements at 2D Mg ₂ TiO ₄ /MgO(001) interface for hosting potential interlayer exciton states
P47	S. Smink	From termination to surface reconstruction: controlling and adjusting the surface structure of oxide substrates
P48	M. Timmerman	Long-range ordering of two-dimensional wide bandgap tantalum oxide nanosheets in printed films
P49	M. van de Putte	Vertically Aligned Nanocomposites as Novel Thermoelectric Architectures
P50	A. Waelchli	Growth and Oxygenation of Infinite-Layer CaCuO ₂ and SrCuO ₂ Thin Films
P51	T. C. Fujita	Pulsed laser deposition and optical properties of Sn ₂ Nb ₂ O ₇ as a possible candidate of flat band oxide
P52	S. Kumar	Theoretical and experimental studies of SrNbO ₃ epitaxial thin films
P53	Y.-M. Wu	Atomic scale tuning of the charge distribution by strain engineering in oxide heterostructures
P54	O. Bierwagen	BaSnO ₃ /LaInO ₃ heterostructure grown by molecular beam epitaxy
P55	Y. Chen	Study of the breaking of symmetries in spin-polarized delta-doped (111) LaAlO ₃ /EuTiO ₃ /SrTiO ₃ interface
P56	Y. Chen	Electronic Structure of Modulation-Doped Oxide Interfaces with Extreme Mobility Enhancement
P57	S. Beck	Effect of spin-orbit coupling in the electronic properties of Sr ₂ RuO ₄ under uniaxial strain
P58	J. Fischer	Gate-controlled skyrmion chirality switch induced by ionic migration at the ferromagnet/metal oxide interface

P59	S. Martín-Rio	Separation of Inverse Spin Hall Effect and Spin Rectification Effects in Spin Pumping Experiments
P60	A. Pomar	Spin pumping and spin-charge conversion in La _{0.92} MnO ₃ /Pt Bilayers Grown by Polymer Assisted Desposition Technique
P61	M. Trama	Strain-induced topological phase transition at (111) SrTiO ₃ -based heterostructures
P62	M. Trama	Anomalous Hall effect in (111) LaAlO ₃ /SrTiO ₃
P63	T. Tschirner	Electrical transport in LaTiO ₃ thin films on SrTiO ₃
P64	S. Varotto	Rashba effect and spin-charge interconversion in KTaO ₃ two-dimensional electron gases
P65	A. Carta	Strain mediated phase transitions in SrCrO ₃
P66	M. Dallochio	Tunable magnetic and magnetotransport properties in locally epitaxial La _{0.67} Sr _{0.33} MnO ₃ thin films on polycrystalline SrTiO ₃ , by control of grain size.
P67	F. Delodovici	Trilinear-coupling-driven ferroelectricity in HfO ₂
P68	S. Jöhr	Ferromagnetic insulating Nd ₂ NiMnO ₆ thin film grown by sputtering
P69	D. Kumar	Growth of epitaxial Ferroelectric Hf _{0.5} Zr _{0.5} O ₂ thin films using PLD
P70	J. W. Lee	In-plane quasi-single-domain BaTiO ₃ via interfacial symmetry engineering
P71	J. S. Lim	Collective oxygen-vacancy flow with a low activation barrier at an oxygen vacancy ordering transition
P72	G. Mattoni	Current-induced phenomena in Ca ₂ RuO ₄ : The challenge of overcoming Joule heating
P73	M. Schmitt	Spin polarization of magnetite thin films from spin-resolved hard x-ray photoelectron spectroscopy
P74	C. Schneider	Multiferroic properties of DyFeO ₃ thin films
P75	Y. Shin	Kinetically driven low-temperature growth of BaTiO ₃ thin films
P76	J. Song	Strain-induced octupolar orthogonal magnetization in fully-strained antiferromagnetic Nd ₂ Ir ₂ O ₇ thin film
P77	J. Spring	In situ observation of interfacial reconstructions in double perovskite thin films
P78	L. Zhang	Ferromagnetism and transport properties of Pb-doped SrRuO ₃ thin films
P79	H. Li	Room-temperature Ferromagnetic Behavior and Giant Seebeck Coefficient in Fe _{2-x} Ti _{1+x} O ₅ Solid Solution Thin Films
P80	C. Lichtensteiger	Domain scaling and coupling of structural distortions in tensile-strained PbTiO ₃ heterostructures
P81	S. Tang	Spin wave propagation characteristics of defect spinel epitaxial γ -Fe _{2-x} Al _x O ₃ thin films for magnonic computing applications
P82	T. Luibrand	Visualization of the filament formation in rare-earth nickelates both via optical widefield and scanning-laser-induced voltage imaging
P83	D. Preziosi	Charge density wave-like properties in Nd _{1-x} Sr _x NiO _{2+y} thin films
P84	B. Fisher	The Insulator-Insulator and the Insulator-mixed-Metal-Insulator transitions in self-heated Al _x V _{1-x} O ₂ single crystals and their visualization
P85	Y. Birkhölzer	Nanosopic strain control in VO ₂ thin films
P86	S. Gariglio	Octahedra rotations coupling in perovskite vanadate heterostructures

P87	J. Hoffman	Probing the insulator-to-metal transition in VO ₂ thin films with contact and non-contact atomic force microscopy
P88	B. Mundet	Structural and electronic phase mapping in Rare-earth Nickelate heterostructures
P89	J. M. Börgers	Oxygen diffusion along dislocations in Sr-doped LaMnO ₃
P90	A. Fouchet	Highly transparent and conductive indium-free CaVO ₃ and SrVO ₃ crystallized at reduced temperature on glass using a 2D transparent nanosheet seed layer
P91	J. Gabel	Toward Functionalized Ultrathin Oxide Films: the Impact of Surface Apical Oxygen
P92	L. Korosec	Perturbed angular correlation spectroscopy of complex oxide heterostructures
P93	U. Lüders	Optimization of the new transparent conducting oxide SrVO ₃ for applications
P94	L. Varbaro	Controlling the order parameter coupling in nickelate based superlattices
P95	M. Hadjimichael	Searching for superconductivity in SrCuO _{2+δ} heterostructures
P96	M. Jiang	Ni–Nd hybridization stabilizes singlet hole-doped state in infinite layer nickelates
P97	J. Kim	Enhanced Superconductivity in the Ruddlesden-Popper Oxide La _{1.85} Sr _{0.15} CuO ₄ Employing Single-Terminated LaSrAlO ₄ Substrate Surfaces
P98	N. Wadehra	An attempt to use strain and chemical pressure to transmute Sr ₂ RuO ₄ into a topological superconductor
P99	C. A. Perroni	Normal and superconducting state properties of SrTiO ₃ -based heterostructures and nanostructures
P100	Y. E. Suyolcu	Low-temperature growth of superconducting DyBa ₂ Cu ₃ O _{7-x} films