

Susanne Stemmer

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306
papers

13,347
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58
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314
ext. papers

14,502
ext. citations

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avg, IF

6.57
L-index

#	Paper	IF	Citations
306	Enhanced gas sensing by individual SnO ₂ nanowires and nanobelts functionalized with Pd catalyst particles. <i>Nano Letters</i> , 2005 , 5, 667-73	11.5	1205
305	Thermal conductivity reduction and thermoelectric figure of merit increase by embedding nanoparticles in crystalline semiconductors. <i>Physical Review Letters</i> , 2006 , 96, 045901	7.4	680
304	Epitaxial SrTiO ₃ films with electron mobilities exceeding 30,000 cm ² V ⁽⁻¹⁾ s ⁽⁻¹⁾ . <i>Nature Materials</i> , 2010 , 9, 482-4	27	315
303	Quantitative atomic resolution scanning transmission electron microscopy. <i>Physical Review Letters</i> , 2008 , 100, 206101	7.4	308
302	Comparison of methods to quantify interface trap densities at dielectric/III-V semiconductor interfaces. <i>Journal of Applied Physics</i> , 2010 , 108, 124101	2.5	291
301	Magnetism in polycrystalline cobalt-substituted zinc oxide. <i>Physical Review B</i> , 2003 , 68,	3.3	290
300	Experimental quantification of annular dark-field images in scanning transmission electron microscopy. <i>Ultramicroscopy</i> , 2008 , 108, 1653-8	3.1	202
299	Emergence of room-temperature ferroelectricity at reduced dimensions. <i>Science</i> , 2015 , 349, 1314-7	33.3	198
298	Electrostatic carrier doping of GdTiO ₃ /SrTiO ₃ interfaces. <i>Applied Physics Letters</i> , 2011 , 99, 232116	3.4	195
297	Standardless atom counting in scanning transmission electron microscopy. <i>Nano Letters</i> , 2010 , 10, 4405-8	81.5	182
296	Low-dimensional Mott material: Transport in ultrathin epitaxial LaNiO ₃ films. <i>Applied Physics Letters</i> , 2010 , 96, 062114	3.4	171
295	Low-loss, tunable bismuth zinc niobate films deposited by rf magnetron sputtering. <i>Applied Physics Letters</i> , 2003 , 83, 2411-2413	3.4	170
294	Position averaged convergent beam electron diffraction: theory and applications. <i>Ultramicroscopy</i> , 2010 , 110, 118-25	3.1	165
293	Engineering chemically abrupt high-k metal oxide-silicon interfaces using an oxygen-gettering metal overlayer. <i>Journal of Applied Physics</i> , 2004 , 96, 3467-3472	2.5	162
292	High-mobility BaSnO ₃ grown by oxide molecular beam epitaxy. <i>APL Materials</i> , 2016 , 4, 016106	5.7	148
291	Resistive switching and its suppression in Pt/Nb:SrTiO ₃ junctions. <i>Nature Communications</i> , 2014 , 5, 3990	17.4	138
290	Growth of high-quality SrTiO ₃ films using a hybrid molecular beam epitaxy approach. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2009 , 27, 461-464	2.9	136

289	Atomistic structure of 90° domain walls in ferroelectric PbTiO ₃ thin films. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1995 , 71, 713-724		135
288	Crystallization in hafnia- and zirconia-based systems. <i>Physica Status Solidi (B): Basic Research</i> , 2004 , 241, 2268-2278	1.3	134
287	Two-Dimensional Electron Gases at Complex Oxide Interfaces. <i>Annual Review of Materials Research</i> , 2014 , 44, 151-171	12.8	130
286	Contributions to the contrast in experimental high-angle annular dark-field images. <i>Ultramicroscopy</i> , 2006 , 106, 889-901	3.1	122
285	Molecular beam epitaxy of SrTiO ₃ with a growth window. <i>Applied Physics Letters</i> , 2009 , 95, 032906	3.4	121
284	Thermoelectric power factor in semiconductors with buried epitaxial semimetallic nanoparticles. <i>Applied Physics Letters</i> , 2005 , 87, 112102	3.4	117
283	Observation of the Quantum Hall Effect in Confined Films of the Three-Dimensional Dirac Semimetal Cd ₃ As ₂ . <i>Physical Review Letters</i> , 2018 , 120, 016801	7.4	99
282	Thermodynamic considerations in the stability of binary oxides for alternative gate dielectrics in complementary metal-oxide-semiconductors. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004 , 22, 791		91
281	Effects of doping on the lattice parameter of SrTiO ₃ . <i>Applied Physics Letters</i> , 2012 , 100, 262104	3.4	90
280	The fracture toughness of polysilicon microdevices: A first report. <i>Journal of Materials Research</i> , 1997 , 12, 915-922	2.5	90
279	High-angle scattering of fast electrons from crystals containing heavy elements: Simulation and experiment. <i>Physical Review B</i> , 2009 , 79,	3.3	86
278	Grazing-incidence small angle x-ray scattering studies of phase separation in hafnium silicate films. <i>Applied Physics Letters</i> , 2003 , 83, 3141-3143	3.4	85
277	Observation of oxygen vacancy ordering and segregation in perovskite oxides. <i>Ultramicroscopy</i> , 2001 , 86, 289-302	3.1	83
276	Temperature dependence of the dielectric tunability of pyrochlore bismuth zinc niobate thin films. <i>Applied Physics Letters</i> , 2005 , 86, 032901	3.4	82
275	Suppression of subcutaneous oxidation during the deposition of amorphous lanthanum aluminate on silicon. <i>Applied Physics Letters</i> , 2004 , 84, 4629-4631	3.4	81
274	Impact of stress on oxygen vacancy ordering in epitaxial (La _{0.5} Sr _{0.5})CoO ₃ thin films. <i>Applied Physics Letters</i> , 2003 , 82, 3427-3429	3.4	81
273	Direct observation of the structure of gold nanoparticles by total scattering powder neutron diffraction. <i>Chemical Physics Letters</i> , 2004 , 393, 385-388	2.5	79
272	Intrinsic Mobility Limiting Mechanisms in Lanthanum-Doped Strontium Titanate. <i>Physical Review Letters</i> , 2014 , 112,	7.4	78

271	Large Seebeck coefficients and thermoelectric power factor of La-doped SrTiO ₃ thin films. <i>Applied Physics Letters</i> , 2010 , 97, 042106	3.4	78
270	Atomically abrupt and unpinned Al ₂ O ₃ /In _{0.53} Ga _{0.47} As interfaces: Experiment and simulation. <i>Journal of Applied Physics</i> , 2009 , 106, 124508	2.5	78
269	Enhancing superconductivity in SrTiO films with strain. <i>Science Advances</i> , 2019 , 5, eaaw0120	14.3	77
268	Tuning bad metal and non-Fermi liquid behavior in a Mott material: Rare-earth nickelate thin films. <i>Science Advances</i> , 2015 , 1, e1500797	14.3	76
267	Structure and stability of La ₂ O ₃ /SiO ₂ layers on Si(001). <i>Applied Physics Letters</i> , 2001 , 79, 102-104	3.4	76
266	La-doped SrTiO ₃ films with large cryogenic thermoelectric power factors. <i>Applied Physics Letters</i> , 2013 , 102, 182101	3.4	74
265	Two-dimensional electron gas in δ -doped SrTiO ₃ . <i>Physical Review B</i> , 2010 , 82,	3.3	73
264	Three-dimensional imaging of individual dopant atoms in SrTiO ₃ . <i>Physical Review Letters</i> , 2013 , 111, 266101	3.4	72
263	Low surface roughness and threading dislocation density Ge growth on Si (0 0 1). <i>Journal of Crystal Growth</i> , 2008 , 310, 4273-4279	1.6	72
262	Enhancing the electron mobility of SrTiO ₃ with strain. <i>Applied Physics Letters</i> , 2011 , 98, 132102	3.4	70
261	Reducing thermal conductivity of crystalline solids at high temperature using embedded nanostructures. <i>Nano Letters</i> , 2008 , 8, 2097-9	11.5	70
260	Application of Metastable Phase Diagrams to Silicate Thin Films for Alternative Gate Dielectrics. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 3593-3597	1.4	70
259	Nitrogen-passivated dielectric/InGaAs interfaces with sub-nm equivalent oxide thickness and low interface trap densities. <i>Applied Physics Letters</i> , 2013 , 102, 022907	3.4	66
258	Lanthanum silicate gate dielectric stacks with subnanometer equivalent oxide thickness utilizing an interfacial silica consumption reaction. <i>Journal of Applied Physics</i> , 2005 , 98, 024314	2.5	66
257	Growth defects in GaN films on 6H-SiC substrates. <i>Applied Physics Letters</i> , 1996 , 68, 2678-2680	3.4	65
256	Dislocations in PbTiO ₃ Thin Films. <i>Physica Status Solidi A</i> , 1995 , 147, 135-154		64
255	A quantitative approach for spatially-resolved electron energy-loss spectroscopy of grain boundaries and planar defects on a subnanometer scale. <i>Ultramicroscopy</i> , 1995 , 59, 215-227	3.1	64
254	Carrier-Controlled Ferromagnetism in SrTiO ₃ . <i>Physical Review X</i> , 2012 , 2,	9.1	63

253	Film/Substrate Orientation Relationship in the AlN/6H-SiC Epitaxial System. <i>Physical Review Letters</i> , 1996 , 77, 1797-1800	7.4	63
252	Grain boundary segregation in high-purity, yttria-stabilized tetragonal zirconia polycrystals (Y-TZP). <i>Journal of the European Ceramic Society</i> , 1998 , 18, 1565-1570	6	62
251	Microwave dielectric properties of tunable capacitors employing bismuth zinc niobate thin films. <i>Journal of Applied Physics</i> , 2005 , 97, 084110	2.5	62
250	Structural origins of the properties of rare earth nickelate superlattices. <i>Physical Review B</i> , 2013 , 87,	3.3	59
249	Toward an artificial Mott insulator: Correlations in confined high-density electron liquids in SrTiO ₃ . <i>Physical Review B</i> , 2012 , 86,	3.3	58
248	Transport in ferromagnetic GdTiO ₃ /SrTiO ₃ heterostructures. <i>Applied Physics Letters</i> , 2011 , 98, 112110	3.4	58
247	Analysis of trap state densities at HfO ₂ /In _{0.53} Ga _{0.47} As interfaces. <i>Applied Physics Letters</i> , 2010 , 96, 102910	3.4	58
246	Thermal conductivity as a metric for the crystalline quality of SrTiO ₃ epitaxial layers. <i>Applied Physics Letters</i> , 2011 , 98, 221904	3.4	55
245	Conductivity enhancement of ultrathin LaNiO ₃ films in superlattices. <i>Applied Physics Letters</i> , 2010 , 97, 202109	3.4	55
244	Interface-induced magnetism in perovskite quantum wells. <i>Physical Review B</i> , 2013 , 88,	3.3	53
243	Fixed charge in high-k/GaN metal-oxide-semiconductor capacitor structures. <i>Applied Physics Letters</i> , 2012 , 101, 102905	3.4	53
242	Optical conductivity of LaNiO ₃ : Coherent transport and correlation driven mass enhancement. <i>Physical Review B</i> , 2010 , 82,	3.3	53
241	Nanoscale quantification of octahedral tilts in perovskite films. <i>Applied Physics Letters</i> , 2012 , 100, 191909	3.4	53
240	Influence of strain on the dielectric relaxation of pyrochlore bismuth zinc niobate thin films. <i>Applied Physics Letters</i> , 2004 , 84, 957-959	3.4	53
239	Thin dielectric film thickness determination by advanced transmission electron microscopy. <i>Microscopy and Microanalysis</i> , 2003 , 9, 493-508	0.5	53
238	A heterojunction modulation-doped Mott transistor. <i>Journal of Applied Physics</i> , 2011 , 110, 084503	2.5	52
237	Quantitative comparisons of contrast in experimental and simulated bright-field scanning transmission electron microscopy images. <i>Physical Review B</i> , 2009 , 80,	3.3	51
236	Efficient Terahertz Harmonic Generation with Coherent Acceleration of Electrons in the Dirac Semimetal Cd ₃ As ₂ . <i>Physical Review Letters</i> , 2020 , 124, 117402	7.4	50

235	Characterization of oxygen-deficient SrCoO _{3-x} by electron energy-loss spectroscopy and Z-contrast imaging. <i>Solid State Ionics</i> , 2000 , 130, 71-80	3-3	49
234	Conduction-band edge and Shubnikov-de Haas effect in low-electron-density SrTiO ₃ . <i>Physical Review B</i> , 2013 , 88,	3-3	48
233	Interface atomic structure of epitaxial ErAs layers on (001) In _{0.53} Ga _{0.47} As and GaAs. <i>Applied Physics Letters</i> , 2005 , 86, 241901	3-4	48
232	Correlation between stoichiometry, strain, and metal-insulator transitions of NdNiO ₃ films. <i>Applied Physics Letters</i> , 2015 , 106, 092104	3-4	47
231	Growth window and effect of substrate symmetry in hybrid molecular beam epitaxy of a Mott insulating rare earth titanate. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013 , 31, 041503	2-9	47
230	The Interface between Single Crystalline (001) LaAlO ₃ and (001) Silicon. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, L617-L619	1-4	47
229	Molecular beam epitaxy of Cd ₃ As ₂ on a III-V substrate. <i>APL Materials</i> , 2016 , 4, 126110	5-7	47
228	Symmetry lowering in extreme-electron-density perovskite quantum wells. <i>Physical Review Letters</i> , 2013 , 110, 256401	7-4	46
227	Element specific monolayer depth profiling. <i>Advanced Materials</i> , 2014 , 26, 6554-9	24	45
226	Frequency dispersion in III-V metal-oxide-semiconductor capacitors. <i>Applied Physics Letters</i> , 2012 , 100, 233510	3-4	45
225	Phase Separation in Hafnium Silicates for Alternative Gate Dielectrics. <i>Journal of the Electrochemical Society</i> , 2003 , 150, F173	3-9	43
224	Spin injection and detection in lanthanum- and niobium-doped SrTiO ₃ using the Hanle technique. <i>Nature Communications</i> , 2013 , 4, 2134	17-4	42
223	Epitaxial Pb(Mg _{1/3} Nb _{2/3})O ₃ thin films synthesized by metal-organic chemical vapor deposition. <i>Applied Physics Letters</i> , 2000 , 76, 3106-3108	3-4	42
222	Limitations to the room temperature mobility of two- and three-dimensional electron liquids in SrTiO ₃ . <i>Applied Physics Letters</i> , 2015 , 106, 062102	3-4	41
221	Quantum critical behaviour in confined SrTiO ₃ quantum wells embedded in antiferromagnetic SmTiO ₃ . <i>Nature Communications</i> , 2014 , 5, 4258	17-4	41
220	Evidence of a topological Hall effect in Eu _{1-x} Sm _x TiO ₃ . <i>Applied Physics Letters</i> , 2017 , 111, 172403	3-4	41
219	Microstructure and Dielectric Properties of Textured SrTiO ₃ Thin Films. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 789-801	3-8	41
218	Electrical and material characterizations of high-permittivity Hf _x Ti _{1-x} O ₂ gate insulators. <i>Journal of Applied Physics</i> , 2005 , 98, 054506	2-5	41

217	Stability of ZrO ₂ layers on Si (001) during high-temperature anneals under reduced oxygen partial pressures. <i>Journal of Applied Physics</i> , 2002 , 92, 82-86	2.5	41
216	Negative magnetoresistance due to conductivity fluctuations in films of the topological semimetal Cd ₃ As ₂ . <i>Physical Review B</i> , 2017 , 95,	3.3	40
215	Influence of orientation on the contrast of high-angle annular dark-field images of silicon. <i>Physical Review B</i> , 2007 , 76,	3.3	40
214	Quantification of trap densities at dielectric/III-V semiconductor interfaces. <i>Applied Physics Letters</i> , 2010 , 97, 062905	3.4	39
213	Metal-oxide-semiconductor capacitors with ZrO ₂ dielectrics grown on In _{0.53} Ga _{0.47} As by chemical beam deposition. <i>Applied Physics Letters</i> , 2009 , 95, 062908	3.4	39
212	Electric field-tunable Ba _x Sr _{1-x} TiO ₃ films with high figures of merit grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2012 , 101, 252906	3.4	39
211	Effects of hydrogen anneals on oxygen deficient SrTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2008 , 93, 052907	3.4	39
210	0.5 V Supply Voltage Operation of In _{0.65} Ga _{0.35} As/GaAs _{0.4} Sb _{0.6} Tunnel FET. <i>IEEE Electron Device Letters</i> , 2015 , 36, 20-22	4.4	38
209	Thickness dependence of the quantum Hall effect in films of the three-dimensional Dirac semimetal Cd ₃ As ₂ . <i>APL Materials</i> , 2018 , 6, 026105	5.7	38
208	Accommodation of nonstoichiometry in (100) fiber-textured (Ba _x Sr _{1-x})Ti _{1+y} O _{3+z} thin films grown by chemical vapor deposition. <i>Applied Physics Letters</i> , 1999 , 74, 2432-2434	3.4	38
207	Composition control and dielectric properties of bismuth zinc niobate thin films synthesized by radio-frequency magnetron sputtering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2003 , 21, 1745-1751	2.9	37
206	Growth and properties of GdTiO ₃ films prepared by hybrid molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2012 , 355, 166-170	1.6	36
205	High performance raised source/drain InAs/In _{0.53} Ga _{0.47} As channel metal-oxide-semiconductor field-effect-transistors with reduced leakage using a vertical spacer. <i>Applied Physics Letters</i> , 2013 , 103, 233503	3.4	36
204	ZrO ₂ gate dielectrics produced by ultraviolet ozone oxidation for GaN and AlGaN/GaN transistors. <i>Journal of Vacuum Science & Technology B</i> , 2006 , 24, 575		36
203	Correlation between metal-insulator transitions and structural distortions in high-electron-density SrTiO ₃ quantum wells. <i>Physical Review B</i> , 2014 , 89,	3.3	35
202	Modulation of over 10 ¹⁴ cm ⁻² electrons in SrTiO ₃ /GdTiO ₃ heterostructures. <i>Applied Physics Letters</i> , 2014 , 104, 182904	3.4	35
201	Stoichiometry optimization of homoepitaxial oxide thin films using x-ray diffraction. <i>Applied Physics Letters</i> , 2009 , 95, 142905	3.4	35
200	Suppression of near-Fermi level electronic states at the interface in a LaNiO ₃ /SrTiO ₃ superlattice. <i>Physical Review Letters</i> , 2011 , 107, 116402	7.4	35

199	The reaction between a TiNi shape memory thin film and silicon. <i>Journal of Materials Research</i> , 1997 , 12, 1734-1740	2.5	35
198	Quantum confinement in oxide quantum wells. <i>MRS Bulletin</i> , 2013 , 38, 1032-1039	3.2	34
197	Probing the metal-insulator transition of NdNiO ₃ by electrostatic doping. <i>Applied Physics Letters</i> , 2011 , 99, 192107	3.4	34
196	Atomic Layer Deposition of Hafnium Oxide on Ge and GaAs Substrates: Precursors and Surface Preparation. <i>Journal of the Electrochemical Society</i> , 2008 , 155, H937	3.9	34
195	Structure and optical band gaps of (Ba,Sr)SnO ₃ films grown by molecular beam epitaxy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016 , 34, 050601	2.9	34
194	Surface reconstructions in molecular beam epitaxy of SrTiO ₃ . <i>Applied Physics Letters</i> , 2014 , 105, 191901	3.4	33
193	Effect of postdeposition anneals on the Fermi level response of HfO ₂ /In _{0.53} Ga _{0.47} As gate stacks. <i>Journal of Applied Physics</i> , 2010 , 108, 034111	2.5	33
192	Ge(1-x) Mn(x) clusters: central structural and magnetic building blocks of nanoscale wire-like self-assembly in a magnetic semiconductor. <i>Nano Letters</i> , 2009 , 9, 3743-8	11.5	33
191	Scanning transmission electron microscopy of gate stacks with HfO ₂ dielectrics and TiN electrodes. <i>Applied Physics Letters</i> , 2005 , 87, 121909	3.4	33
190	Conduction band edge effective mass of La-doped BaSnO ₃ . <i>Applied Physics Letters</i> , 2016 , 108, 252107	3.4	33
189	Insulating state of ultrathin epitaxial LaNiO ₃ thin films detected by hard x-ray photoemission. <i>Physical Review B</i> , 2011 , 84,	3.3	32
188	dc electric field tunable bulk acoustic wave solidly mounted resonator using SrTiO ₃ . <i>Applied Physics Letters</i> , 2007 , 91, 043501	3.4	32
187	High-temperature phase stability of hafnium aluminate films for alternative gate dielectrics. <i>Journal of Applied Physics</i> , 2004 , 95, 3772-3777	2.5	32
186	Extended defects in epitaxial Sc ₂ O ₃ films grown on (111) Si. <i>Applied Physics Letters</i> , 2005 , 86, 051901	3.4	32
185	Tailoring resistive switching in Pt/SrTiO ₃ junctions by stoichiometry control. <i>Scientific Reports</i> , 2015 , 5, 11079	4.9	31
184	Determining ferroelectric polarity at the nanoscale. <i>Applied Physics Letters</i> , 2011 , 98, 052904	3.4	31
183	Influence of gate metallization processes on the electrical characteristics of high-k/In _{0.53} Ga _{0.47} As interfaces. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2011 , 29, 040603	1.3	31
182	Quantum oscillations from a two-dimensional electron gas at a Mott/band insulator interface. <i>Applied Physics Letters</i> , 2012 , 101, 151604	3.4	31

181	Chemical, Physical, and Electrical Characterizations of Oxygen Plasma Assisted Chemical Vapor Deposited Yttrium Oxide on Silicon. <i>Journal of the Electrochemical Society</i> , 2003 , 150, F102	3.9	31
180	Carrier density independent scattering rate in SrTiO ₃ -based electron liquids. <i>Scientific Reports</i> , 2016 , 6, 20865	4.9	31
179	Two-dimensional Dirac fermions in thin films of Cd ₃ As ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	30
178	Novel Metal-Insulator Transition at the SmTiO ₃ /SrTiO ₃ Interface. <i>Physical Review Letters</i> , 2017 , 118, 236803	7.4	30
177	Ferroelectric transition in compressively strained SrTiO ₃ thin films. <i>Applied Physics Letters</i> , 2015 , 107, 192908	3.4	30
176	Charged Defect Quantification in Pt _{1-x} Al _{2O₃} /In _{0.53} Ga _{0.47} As _{1-y} P MOS Capacitors. <i>Journal of the Electrochemical Society</i> , 2011 , 158, G103	3.9	30
175	Growth modes in metal-organic molecular beam epitaxy of TiO ₂ on r-plane sapphire. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2009 , 27, 230-233	2.9	30
174	Microstructure and dielectric properties of pyrochlore Bi ₂ Ti ₂ O ₇ thin films. <i>Journal of Applied Physics</i> , 2007 , 102, 044102	2.5	29
173	Oxygen vacancy ordering in epitaxial La _{0.5} Sr _{0.5} CoO _{3-δ} thin films on (001) LaAlO ₃ . <i>Journal of Applied Physics</i> , 2001 , 90, 3319-3324	2.5	29
172	Domain configurations in ferroelectric PbTiO ₃ thin films: The influence of substrate and film thickness. <i>Solid State Ionics</i> , 1995 , 75, 43-48	3.3	29
171	Influence of trimethylaluminum on the growth and properties of HfO ₂ /In _{0.53} Ga _{0.47} As interfaces. <i>Applied Physics Letters</i> , 2011 , 98, 052911	3.4	28
170	Probing the Metal-Insulator Transition in BaTiO ₃ by Electrostatic Doping. <i>Physical Review Letters</i> , 2016 , 117, 037602	7.4	28
169	Two-dimensional electron gas in a modulation-doped SrTiO ₃ /Sr(Ti, Zr)O ₃ heterostructure. <i>Applied Physics Letters</i> , 2013 , 103, 082120	3.4	27
168	Thermal diffuse scattering in transmission electron microscopy. <i>Ultramicroscopy</i> , 2011 , 111, 1670-80	3.1	27
167	Scanning transmission electron microscopy investigations of interfacial layers in HfO ₂ gate stacks. <i>Journal of Applied Physics</i> , 2006 , 100, 024103	2.5	27
166	Scanning transmission electron microscopy of ErAs nanoparticles embedded in epitaxial In _{0.53} Ga _{0.47} As layers. <i>Applied Physics Letters</i> , 2005 , 86, 111912	3.4	27
165	Electron energy-loss spectroscopy study of thin film hafnium aluminates for novel gate dielectrics. <i>Journal of Microscopy</i> , 2003 , 210, 74-9	1.9	27
164	Temperature-dependence of the Hall coefficient of NdNiO ₃ thin films. <i>Applied Physics Letters</i> , 2013 , 103, 182105	3.4	26

163	Gaps and pseudogaps in perovskite rare earth nickelates. <i>APL Materials</i> , 2015 , 3, 062503	5.7	25
162	Analysis of carbon in SrTiO ₃ grown by hybrid molecular beam epitaxy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2009 , 27, 1365-1368	2.9	25
161	Low-loss tunable capacitors fabricated directly on gold bottom electrodes. <i>Applied Physics Letters</i> , 2006 , 88, 112905	3.4	25
160	Electron energy-loss spectroscopy analysis of interface structure of yttrium oxide gate dielectrics on silicon. <i>Applied Physics Letters</i> , 2002 , 81, 676-678	3.4	25
159	(Ba,Sr)TiO ₃ tunable capacitors with RF commutation quality factors exceeding 6000. <i>Applied Physics Letters</i> , 2016 , 109, 112902	3.4	25
158	Electric field effect near the metal-insulator transition of a two-dimensional electron system in SrTiO ₃ . <i>Applied Physics Letters</i> , 2017 , 110, 062104	3.4	24
157	BaTiO ₃ /SrTiO ₃ heterostructures for ferroelectric field effect transistors. <i>Applied Physics Letters</i> , 2017 , 110, 232902	3.4	24
156	Thermal response of MOCVD hafnium silicate. <i>Microelectronic Engineering</i> , 2003 , 69, 182-189	2.5	24
155	Characterization of advanced gate stacks for Si CMOS by electron energy-loss spectroscopy in scanning transmission electron microscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005 , 143, 149-158	1.7	24
154	Reactions of Y ₂ O ₃ films with (001) Si substrates and with polycrystalline Si capping layers. <i>Applied Physics Letters</i> , 2002 , 81, 712-714	3.4	24
153	Variable-angle high-angle annular dark-field imaging: application to three-dimensional dopant atom profiling. <i>Scientific Reports</i> , 2015 , 5, 12419	4.9	23
152	Al-doped HfO ₂ /In _{0.53} Ga _{0.47} As metal-oxide-semiconductor capacitors. <i>Applied Physics Letters</i> , 2011 , 98, 142901	3.4	23
151	Distributed phase shifter with pyrochlore bismuth zinc niobate thin films. <i>IEEE Microwave and Wireless Components Letters</i> , 2006 , 16, 264-266	2.6	23
150	The influence of Pt and SrTiO ₃ interlayers on the microstructure of PbTiO ₃ thin films deposited by laser ablation on (001) MgO. <i>Journal of Materials Research</i> , 1995 , 10, 791-794	2.5	23
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