Josep Fontcuberta

List of Publications by Year in Descending Order

489 papers	15,709 citations	56 h-index	108 g-index
501 ext. papers	16,869 ext. citations	3.9 avg, IF	6.41 L-index

#	Paper	IF	Citations
489	Efficient spin pumping into metallic SrVO3 epitaxial films. *Journal of Magnetism and Magnetic Materials*, **2022**, 546, 168871	2.8	0
488	Enhanced electroresistance endurance of capped Hf0.5Zr0.5O2 ultrathin epitaxial tunnel barriers. *APL Materials*, **2022**, 10, 031114	5.7	2
487	Electron-Phonon Coupling and Electron-Phonon Scattering in SrVO. *Advanced Science*, **2021**, 8, e2004207	13.6	7
486	Optical Plasmon Excitation in Transparent Conducting SrNbO3 and SrVO3 Thin Films. *Advanced Optical Materials*, **2021**, 9, 2100520	8.1	4
485	Switchable photovoltaic response in hexagonal LuMnO3 single crystals. *Applied Physics Letters*, **2021**, 118, 232902	3.4	0
484	Non-volatile optical switch of resistance in photoferroelectric tunnel junctions. *Nature Communications*, **2021**, 12, 382	17.4	9
483	Polarization and Resistive Switching in Epitaxial 2 nm Hf0.5Zr0.5O2 Tunnel Junctions. *ACS Applied Electronic Materials*, **2021**, 3, 3657-3666	4	8
482	Blocking of Conducting Channels Widens Window for Ferroelectric Resistive Switching in Interface-Engineered Hf0.5Zr0.5O2 Tunnel Devices. *Advanced Functional Materials*, **2020**, 30, 2002638	15.6	21
481	Flexible Antiferromagnetic FeRh Tapes as Memory Elements. *ACS Applied Materials & Interfaces*, **2020**, 12, 15389-15395	9.5	8
480	In operando adjustable orbital polarization in LaNiO3 thin films. *Physical Review Materials*, **2020**, 4,	3.2	1
479	Strain and voltage control of magnetic and electric properties of FeRh films. *Journal Physics D: Applied Physics*, **2020**, 53, 023002	3	7
478	Unraveling Ferroelectric Polarization and Ionic Contributions to Electroresistance in Epitaxial Hf0.5Zr0.5O2 Tunnel Junctions. *Advanced Electronic Materials*, **2020**, 6, 1900852	6.4	31
477	Engineering Polar Oxynitrides: Hexagonal Perovskite BaWON. *Angewandte Chemie - International Edition*, **2020**, 59, 18395-18399	16.4	3
476	Structural, magnetic and electronic properties of EuTi0.5W0.5O3-xNx perovskite oxynitrides. *Journal of Solid State Chemistry*, **2020**, 286, 121274	3.3	
475	Direct Reversible Magnetoelectric Coupling in a Ferroelectric/Ferromagnetic Structure Controlled by Series Resistance Engineering. *ACS Applied Electronic Materials*, **2019**, 1, 1937-1944	4	4
474	Synergetic Electronic and Ionic Contributions to Electroresistance in Ferroelectric Capacitors. *Advanced Electronic Materials*, **2019**, 5, 1800646	6.4	12
473	Epitaxial Integration on Si(001) of Ferroelectric HfZrO Capacitors with High Retention and Endurance. *ACS Applied Materials & Interfaces*, **2019**, 11, 6224-6229	9.5	33

472	On the Role of Interfaces on Spin Transport in Magnetic Insulator/Normal Metal Heterostructures. *Advanced Materials Interfaces*, **2019**, 6, 1900475	4.6	10
471	Towards Oxide Electronics: a Roadmap. *Applied Surface Science*, **2019**, 482, 1-93	6.7	160
470	Complementary Resistive Switching Using Metal-Ferroelectric-Metal Tunnel Junctions. *Small*, **2019**, 15, e1805042	11	10
469	High Carrier Mobility, Electrical Conductivity, and Optical Transmittance in Epitaxial SrVO3 Thin Films. *Advanced Functional Materials*, **2019**, 29, 1808432	15.6	30
468	Independent Tuning of Optical Transparency Window and Electrical Properties of Epitaxial SrVO3 Thin Films by Substrate Mismatch. *Advanced Functional Materials*, **2019**, 29, 1904238	15.6	15
467	Engineering Ferroelectric Hf0.5Zr0.5O2 Thin Films by Epitaxial Stress. *ACS Applied Electronic Materials*, **2019**, 1, 1449-1457	4	49
466	Enhanced ferroelectricity in epitaxial Hf0.5Zr0.5O2 thin films integrated with Si(001) using SrTiO3 templates. *Applied Physics Letters*, **2019**, 114, 222901	3.4	39
465	Topochemical nitridation of SrFeMoO. *Chemical Communications*, **2019**, 55, 3105-3108	5.8	3
464	Asymmetric Resistive Switching Dynamics in BaTiO3 Tunnel Junctions. *Advanced Electronic Materials*, **2019**, 5, 1800407	6.4	10
463	Growth Window of Ferroelectric Epitaxial Hf0.5Zr0.5O2 Thin Films. *ACS Applied Electronic Materials*, **2019**, 1, 220-228	4	50
462	Tailoring Lattice Strain and Ferroelectric Polarization of Epitaxial BaTiO Thin Films on Si(001). *Scientific Reports*, **2018**, 8, 495	4.9	23
461	Magnetoresistance in Hybrid Pt/CoFeO Bilayers Controlled by Competing Spin Accumulation and Interfacial Chemical Reconstruction. *ACS Applied Materials & Interfaces*, **2018**, 10, 12031-12041	9.5	18
460	Control of Polar Orientation and Lattice Strain in Epitaxial BaTiO Films on Silicon. *ACS Applied Materials & Interfaces*, **2018**, 10, 25529-25535	9.5	16
459	Robust ferroelectricity in epitaxial Hf1/2Zr1/2O2 thin films. *Applied Physics Letters*, **2018**, 113, 082902	3.4	43
458	Control of the Polarization of Ferroelectric Capacitors by the Concurrent Action of Light and Adsorbates. *ACS Applied Materials & Interfaces*, **2018**, 10, 23968-23975	9.5	8
457	Reversible and magnetically unassisted voltage-driven switching of magnetization in FeRh/PMN-PT. *Applied Physics Letters*, **2018**, 113, 152901	3.4	20
456	Selectable texture in epitaxial ferroelectric BaTiO3 films integrated with silicon. *CrystEngComm*, **2018**, 20, 6225-6229	3.3	2
455	Electric-Field-Adjustable Time-Dependent Magnetoelectric Response in Martensitic FeRh Alloy. *ACS Applied Materials & Interfaces*, **2017**, 9, 15577-15582	9.5	25

454	Simulation of STEM-HAADF Image Contrast of Ruddlesden–Popper Faulted LaNiO3 Thin Films. *Journal of Physical Chemistry C*, **2017**, 121, 9300-9304	3.8	13
453	Mn 3d bands and Y-O hybridization of hexagonal and orthorhombic YMnO thin films. *Journal of Physics Condensed Matter*, **2017**, 29, 295501	1.8	2
452	Evidence of a minority monoclinic LaNiO phase in lanthanum nickelate thin films. *Physical Chemistry Chemical Physics*, **2017**, 19, 9137-9142	3.6	8
451	Direct imaging of delayed magneto-dynamic modes induced by surface acoustic waves. *Nature Communications*, **2017**, 8, 407	17.4	53
450	Competition between Polar and Nonpolar Lattice Distortions in Oxide Quantum Wells: New Critical Thickness at Polar Interfaces. *Physical Review Letters*, **2017**, 119, 106102	7.4	28
449	Direct observation of multivalent states and 4f-3d charge transfer in Ce-doped yttrium iron garnet thin films. *Physical Review B*, **2017**, 96,	3.3	20
448	Hidden Magnetic States Emergent Under Electric Field, In A Room Temperature Composite Magnetoelectric Multiferroic. *Scientific Reports*, **2017**, 7, 15460	4.9	20
447	Strain-Controlled Responsiveness of Slave Half-Doped Manganite La0.5Sr0.5MnO3 Layers Inserted in BaTiO3 Ferroelectric Tunnel Junctions. *Advanced Electronic Materials*, **2016**, 2, 1600368	6.4	18
446	Strain-Driven Orbital and Magnetic Orders and Phase Separation in Epitaxial Half-Doped Manganite Films for Tunneling Devices. *Physical Review Applied*, **2016**, 6,	4.3	22
445	Spin Hall Magnetoresistance as a Probe for Surface Magnetization in Pt/CoFe2O4 Bilayers. *Physical Review Applied*, **2016**, 6,	4.3	25
444	Untangling Electrostatic and Strain Effects on the Polarization of Ferroelectric Superlattices. *Advanced Functional Materials*, **2016**, 26, 6446-6453	15.6	20
443	Absence of magnetic proximity effects in magnetoresistive Pt/CoFe2O4 hybrid interfaces. *Physical Review B*, **2016**, 93,	3.3	28
442	Giant Optical Polarization Rotation Induced by Spin-Orbit Coupling in Polarons. *Physical Review Letters*, **2016**, 117, 026401	7.4	13
441	Monolithic integration of room-temperature multifunctional BaTiO3-CoFe2O4 epitaxial heterostructures on Si(001). *Scientific Reports*, **2016**, 6, 31870	4.9	13
440	The Shortening of MWNT-SPION Hybrids by Steam Treatment Improves Their Magnetic Resonance Imaging Properties In Vitro and In Vivo. *Small*, **2016**, 12, 2893-905	11	17
439	Unravelling and controlling hidden imprint fields in ferroelectric capacitors. *Scientific Reports*, **2016**, 6, 25028	4.9	20
438	High ferroelectric polarization in c-oriented BaTiO3 epitaxial thin films on SrTiO3/Si(001). *Applied Physics Letters*, **2016**, 109, 122903	3.4	19
437	Untangling the contributions of cerium and iron to the magnetism of Ce-doped yttrium iron garnet. *Applied Physics Letters*, **2016**, 108, 102407	3.4	7

436	The 2016 oxide electronic materials and oxide interfaces roadmap. *Journal Physics D: Applied Physics*, **2016**, 49, 433001	3	204
435	Multiple strain-induced phase transitions in LaNiO3 thin films. *Physical Review B*, **2016**, 94,	3.3	38
434	Engineering two-dimensional superconductivity and Rashba spin-orbit coupling in LaAlO/SrTiO quantum wells by selective orbital occupancy. *Nature Communications*, **2015**, 6, 6028	17.4	102
433	Multiferroic RMnO3 thin films. *Comptes Rendus Physique*, **2015**, 16, 204-226	1.4	34
432	Large room-temperature electroresistance in dual-modulated ferroelectric tunnel barriers. *Advanced Materials*, **2015**, 27, 2602-7	24	44
431	Selecting Steady and Transient Photocurrent Response in BaTiO3 Films. *Advanced Electronic Materials*, **2015**, 1, 1500171	6.4	23
430	Instability and Surface Potential Modulation of Self-Patterned (001)SrTiO3 Surfaces. *Chemistry of Materials*, **2015**, 27, 6198-6204	9.6	12
429	Conducting interfaces between amorphous oxide layers and SrTiO3(110) and SrTiO3(111). *Solid State Ionics*, **2015**, 281, 68-72	3.3	11
428	Polar domain walls trigger magnetoelectric coupling. *Scientific Reports*, **2015**, 5, 13784	4.9	23
427	Multiferroic iron oxide thin films at room temperature. *Advanced Materials*, **2014**, 26, 4645-52	24	134
426	Room-temperature antiferromagnetic memory resistor. *Nature Materials*, **2014**, 13, 367-74	27	435
425	Magnetopolaron-induced optical response in transition metal oxides. *Physical Review B*, **2014**, 89,	3.3	6
424	Spin Hall magnetoresistance at Pt/CoFe2O4 interfaces and texture effects. *Applied Physics Letters*, **2014**, 105, 142402	3.4	91
423	Interface and Bulk Charge Localization in Manganite Thin Films. *Advanced Materials Interfaces*, **2014** , 1, 1400079	4.6	2
422	Anisotropic magnetoresistance in an antiferromagnetic semiconductor. *Nature Communications*, **2014**, 5, 4671	17.4	101
421	Bandwidth-limited control of orbital and magnetic orders in half-doped manganites by epitaxial strain. *Physical Review B*, **2014**, 89,	3.3	24
420	Tailored surfaces of perovskite oxide substrates for conducted growth of thin films. *Chemical Society Reviews*, **2014**, 43, 2272-85	58.5	81
419	Epitaxial ferromagnetic oxide thin films on silicon with atomically sharp interfaces. *Applied Physics Letters*, **2014**, 105, 012401	3.4	4

418	Yttria-stabilized zirconia/SrTiO3 oxide heteroepitaxial interface with symmetry discontinuity. *Applied Physics Letters*, **2014**, 104, 251602	3.4	3
417	Two-dimensional electron gases at LaAlO3/SrTiO3 interfaces: orbital symmetry and hierarchy engineered by crystal orientation. *Physical Review Letters*, **2014**, 113, 156802	7.4	34
416	Electric control of magnetism at the Fe/BaTiO3 interface. *Nature Communications*, **2014**, 5, 3404	17.4	154
415	The direct magnetoelectric effect in ferroelectric-ferromagnetic epitaxial heterostructures. *Nanoscale*, **2013**, 5, 8037-44	7.7	39
414	Phase coexistence and magnetically tuneable polarization in cycloidal multiferroics. *Physical Review B*, **2013**, 88,	3.3	13
413	Ti diffusion in (001) SrTiO3-CoFe2O4 epitaxial heterostructures: blocking role of a MgAl2O4 buffer. *Physical Chemistry Chemical Physics*, **2013**, 15, 18274-80	3.6	11
412	Ultra-flat BaTiO3 epitaxial films on Si(001) with large out-of-plane polarization. *Applied Physics Letters*, **2013**, 102, 112905	3.4	46
411	Large out-of-plane ferroelectric polarization in flat epitaxial BaTiO3 on CoFe2O4 heterostructures. *Applied Physics Letters*, **2013**, 102, 172907	3.4	25
410	Nanosession: Multiferroic Thin Films and Heterostructures **2013**, 323-334		
409	Electric transport through nanometric CoFe2O4 thin films investigated by conducting atomic force microscopy. *Journal of Applied Physics*, **2012**, 111, 013904	2.5	2
408	High mobility conduction at (110) and (111) LaAlO3/SrTiO3 interfaces. *Scientific Reports*, **2012**, 2, 758	4.9	144
407	Surface symmetry-breaking and strain effects on orbital occupancy in transition metal perovskite epitaxial films. *Nature Communications*, **2012**, 3, 1189	17.4	220
406	Dielectric properties of (Bi0.9La0.1)2NiMnO6 thin films: Determining the intrinsic electric and magnetoelectric response. *Physical Review B*, **2012**, 86,	3.3	23
405	Mechanisms of epitaxy and defects at the interface in ultrathin YSZ films on Si(001). *CrystEngComm*, **2012**, 14, 7851	3.3	9
404	Dielectric response of epitaxially strained CoFe2O4 spinel thin films. *Physical Review B*, **2012**, 86,	3.3	22
403	Nanoscale Laterally Modulated Properties of Oxide Ultrathin Films by Substrate Termination Replica through Layer-by-Layer Growth. *Chemistry of Materials*, **2012**, 24, 4177-4184	9.6	13
402	Laterally confined two-dimensional electron gases in self-patterned LaAlO3/SrTiO3 interfaces. *Applied Physics Letters*, **2012**, 100, 231607	3.4	8
401	The Poisson Ratio in CoFe2O4 Spinel Thin Films. *Advanced Functional Materials*, **2012**, 22, 4344-4351	15.6	59

400	Probing Individual Layers in Functional Oxide Multilayers by Wavelength-Dependent Raman Scattering. *Advanced Functional Materials*, **2012**, 22, 5044-5049	15.6	34
399	Strain-driven transition from E-type to A-type magnetic order in YMnO3 epitaxial films. *Physical Review B*, **2012**, 86,	3.3	20
398	Mapping of the epitaxial stabilization of quasi-tetragonal BiFeO3 with deposition temperature. *Applied Physics Letters*, **2012**, 100, 122905	3.4	12
397	Ferroelectric phase transition in strained multiferroic (Bi0.9La0.1)2NiMnO6 thin films. *Applied Physics Letters*, **2012**, 100, 022902	3.4	12
396	Strain analysis of multiferroic BiFeO3-CoFe2O4 nanostructures by Raman scattering. *Applied Physics Letters*, **2011**, 99, 072901	3.4	28
395	A phase transition close to room temperature in BiFeO3 thin films. *Journal of Physics Condensed Matter*, **2011**, 23, 342202	1.8	46
394	Polarized neutron reflectivity study of NiFe2O4films with very large saturation magnetization. *Journal of Physics: Conference Series*, **2011**, 303, 012013	0.3	1
393	Effect of the capping on the local Mn oxidation state in buried (001) and (110) SrTiO3/La2/3Ca1/3MnO3 interfaces. *Journal of Applied Physics*, **2011**, 110, 103903	2.5	6
392	Ferroelectricity and strain effects in orthorhombic YMnO3 thin films. *Phase Transitions*, **2011**, 84, 555-568	2.3	16
391	Magnetophotonic response of three-dimensional opals. *ACS Nano*, **2011**, 5, 2957-63	16.7	20
390	Distinct magnetism in ultrathin epitaxial NiFe2O4 films on MgAl2O4 and SrTiO3 single crystalline substrates. *Physical Review B*, **2011**, 84,	3.3	19
389	Ultrathin conformal coating for complex magneto-photonic structures. *Nanoscale*, **2011**, 3, 4811-6	7.7	12
388	Domain matching epitaxy of ferrimagnetic CoFe2O4 thin films on Sc2O3/Si(111). *Applied Physics Letters*, **2011**, 99, 211910	3.4	22
387	Andreev reflection and spin polarization of SrRuO3thin films on SrTiO3(111). *Journal of Physics: Conference Series*, **2011**, 303, 012068	0.3	
386	Monitoring B-site ordering and strain relaxation in NiFe2O4 epitaxial films by polarized Raman spectroscopy. *Physical Review B*, **2011**, 83,	3.3	62
385	Flat epitaxial ferromagnetic CoFe2O4 films on buffered Si(001). *Thin Solid Films*, **2011**, 519, 5726-5729	2.2	14
384	Magnetization reversal by electric-field decoupling of magnetic and ferroelectric domain walls in multiferroic-based heterostructures. *Physical Review Letters*, **2011**, 106, 057206	7.4	117
383	X-ray interference effects on the determination of structural data in ultrathin La2/3Sr1/3MnO3 epitaxial thin films. *Applied Physics Letters*, **2011**, 99, 221901	3.4	20

382	Magnetoelastic coupling in La2/3Sr1/3MnO3 thin films on SrTiO3. *Physical Review B*, **2011**, 84,	3.3	14
381	Chiral domains in cycloidal multiferroic thin films: switching and memory effects. *Physical Review Letters*, **2011**, 107, 257601	7.4	26
380	Conducted growth of SrRuO3 nanodot arrays on self-ordered La0.18Sr0.82Al0.59Ta0.41O3(001) surfaces. *Applied Physics Letters*, **2011**, 99, 051914	3.4	8
379	Nonferroelectric contributions to the hysteresis cycles in manganite thin films: A comparative study of measurement techniques. *Journal of Applied Physics*, **2011**, 109, 074105	2.5	72
378	Andreev reflection in ferrimagnetic CoFe2O4 spin filters. *Physical Review B*, **2010**, 81,	3.3	24
377	Emergence of ferromagnetism in antiferromagnetic TbMnO3 by epitaxial strain. *Applied Physics Letters*, **2010**, 96, 222505	3.4	53
376	Epitaxial stabilization of □Fe2O3 (00l) thin films on SrTiO3 (111). *Applied Physics Letters*, **2010**, 96, 112508	3.4	69
375	Response to □comment on □On the strain coupling across vertical interfaces of switchable BiFeO3□CoFe2O4 multiferroic nanostructures□□[Appl. Phys. Lett. 96, 076101 (2010)]. *Applied Physics Letters*, **2010**, 96, 076102	3.4	1
374	Persistent two-dimensional growth of (110) manganite films. *Applied Physics Letters*, **2010**, 97, 121904	3.4	17
373	Long-range order of Ni2+ and Mn4+ and ferromagnetism in multiferroic (Bi0.9La0.1)2NiMnO6 thin films. *Journal of Applied Physics*, **2010**, 108, 123907	2.5	14
372	Strain-driven noncollinear magnetic ordering in orthorhombic epitaxial YMnO3 thin films. *Journal of Applied Physics*, **2010**, 108, 123917	2.5	25
371	Magnetic switch of polarization in epitaxial orthorhombic YMnO3 thin films. *Applied Physics Letters*, **2010**, 97, 232905	3.4	39
370	Nontunnel transport through CoFe2O4 nanometric barriers. *Applied Physics Letters*, **2010**, 97, 242508	3.4	5
369	Large magnetorefractive effect in magnetite. *New Journal of Physics*, **2010**, 12, 103023	2.9	9
368	Selectable spontaneous polarization direction and magnetic anisotropy in BiFeO3-CoFe2O4 epitaxial nanostructures. *ACS Nano*, **2010**, 4, 4955-61	16.7	81
367	Effects of morphology and strain on the dielectric response of multiferroic CoFe2O4□BaTiO3 nanocomposite thin films. *Journal of Applied Physics*, **2010**, 108, 034108	2.5	13
366	Tunnel transport through CoFe2O4barriers investigated by conducting atomic force microscopy. *Journal Physics D: Applied Physics*, **2010**, 43, 295001	3	12
365	Strong magnetorefractive and quadratic magneto-optical effects in (Pr0.4La0.6)0.7Ca0.3MnO3. *Physical Review B*, **2010**, 82,	3.3	12

364	Magneto-optical characterization of colloidal dispersions. Application to nickel nanoparticles. *Langmuir*, **2010**, 26, 12548-52	4	18
363	Tuning the local frictional and electrostatic responses of nanostructured SrTiO(3)-surfaces by self-assembled molecular monolayers. *Physical Chemistry Chemical Physics*, **2010**, 12, 4452-8	3.6	19
362	Facile route to magnetophotonic crystals by infiltration of 3D inverse opals with magnetic nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 1494-1496	2.8	12
361	Strong magnetorefractive effect in epitaxial La2/3Ca1/3MnO3 thin films. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 1481-1483	2.8	3
360	Different types of ferrite thin films as magnetic cantilever coating for magnetic force microscopy. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 1697-1699	2.8	3
359	Magnetocapacitance in BaTiO3□CoFe2O4 nanocomposites. *Thin Solid Films*, **2010**, 518, 4634-4636	2.2	41
358	Dielectric anomalies in orthorhombic YMnO3 thin films. *Thin Solid Films*, **2010**, 518, 4710-4713	2.2	8
357	Strain tuned magnetoelectric coupling in orthorhombic YMnO3 thin films. *Applied Physics Letters*, **2009**, 95, 142903	3.4	25
356	On the strain coupling across vertical interfaces of switchable BiFeO3□CoFe2O4 multiferroic nanostructures. *Applied Physics Letters*, **2009**, 95, 062907	3.4	43
355	Enhanced thermal stability of Pt electrodes for flat epitaxial biferroic-YMnO3/Pt heterostructures. *Applied Physics Letters*, **2009**, 95, 181907	3.4	3
354	Atomically flat SrO-terminated SrTiO3(001) substrate. *Applied Physics Letters*, **2009**, 95, 141915	3.4	69
353	Magnetic domain wall pinning by focused ion beam milling of permalloy layers. *Microelectronic Engineering*, **2009**, 86, 878-881	2.5	3
352	Epitaxial thin films of (Bi0.9La0.1)2NiMnO6 obtained by pulsed laser deposition. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 1748-1753	2.8	17
351	Dielectric properties of BaTiO3□CoFe2O4 nanocomposite thin films. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 1795-1798	2.8	14
350	Influence of substrate temperature in BiFeO3□CoFe2O4 nanocomposites deposited on SrTiO3 (0 0 1). *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 1790-1794	2.8	12
349	Ferromagnetism in epitaxial orthorhombic YMnO3 thin films. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 1719-1722	2.8	34
348	Critical Limitations in the Fabrication of Biferroic BiFeO3□CoFe2O4 Columnar Nanocomposites Due to Bismuth Loss. *Chemistry of Materials*, **2009**, 21, 1375-1380	9.6	28
347	Self-Assembly of SrTiO3(001) Chemical-Terminations: A Route for Oxide-Nanostructure Fabrication by Selective Growth. *Chemistry of Materials*, **2009**, 21, 2494-2498	9.6	44

346	Anisotropic paramagnetic response of hexagonal RMnO3. *Physical Review B*, **2009**, 79,	3.3	20
345	Magneto-optic material selectivity in self-assembled BiFeO3□CoFe2O4 biferroic nanostructures. *Journal of Applied Physics*, **2009**, 105, 07C124	2.5	7
344	Effects of thickness on the cation segregation in epitaxial (001) and (110) La2/3Ca1/3MnO3 thin films. *Applied Physics Letters*, **2009**, 95, 072507	3.4	39
343	Jahn-Teller contribution to the magneto-optical effect in thin-film ferromagnetic manganites. *Physical Review B*, **2009**, 79,	3.3	24
342	The magnetization of epitaxial nanometric CoFe2O4(001) layers. *Journal of Applied Physics*, **2009**, 106, 113924	2.5	65
341	Optical sensing of magnetic field based on magnetorefractive effect in manganites **2009**,		2
340	Synthesis, structure, and magnetic studies on self-assembled BiFeO3□CoFe2O4 nanocomposite thin films. *Journal of Applied Physics*, **2008**, 103, 07E301	2.5	41
339	Tuning in-plane magnetic anisotropy in (110) La2□3Ca1□3MnO3 films by anisotropic strain relaxation. *Applied Physics Letters*, **2008**, 92, 012508	3.4	23
338	Cationic and charge segregation in La2/3Ca1/3MnO3 thin films grown on (001) and (110) SrTiO3. *Applied Physics Letters*, **2008**, 93, 112505	3.4	35
337	Reversible growth-mode transition in SrRuO3 epitaxy. *Applied Physics Letters*, **2008**, 93, 151916	3.4	16
336	Effect of disorder on the temperature dependence of the resistivity of SrRuO3. *Physical Review B*, **2008**, 77,	3.3	23
335	Magnetic response of YbMnO3 single crystal. *Journal of Applied Physics*, **2008**, 103, 07B722	2.5	14
334	Effects of SrTiO3 capping in La2□3Ca1□3MnO3 electrodes of different orientations. *Journal of Applied Physics*, **2008**, 103, 07E302	2.5	5
333	Formation of step bunching in the epitaxial growth of SrRuO3 thin films. *Journal of Crystal Growth*, **2008**, 310, 3348-3350	1.6	2
332	Crystal texture selection in epitaxies of orthorhombic antiferromagnetic YMnO3 films. *Thin Solid Films*, **2008**, 516, 4899-4907	2.2	31
331	Anisotropic strain relaxation in (110) La2/3Ca1/3MnO3 thin films **2008**, 643-644		
330	Dissimilar cation migration in (001) and (110) La2/3Ca1/3MnO3 thin films **2008**, 373-374		
329	Thin films in ternary Bi□Mn□ system obtained by pulsed laser deposition. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2007**, 144, 138-142	3.1	12

328	Epitaxial growth of biferroic YMnO3(0 0 0 1) on platinum electrodes. *Journal of Crystal Growth*, **2007**, 299, 288-294	1.6	14
327	Tunnel junctions with multiferroic barriers. *Nature Materials*, **2007**, 6, 296-302	27	878
326	Structural and magnetic properties of ZnO:TM (TM: Co, Mn) nanopowders. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, e211-e214	2.8	13
325	Growth and magnetic properties of multiferroic LaxBi1□MnO3 thin films. *Physical Review B*, **2007**, 75,	3.3	28
324	Sputtering growth and characterization of CoFe2O4□BaTiO3 nanostructures. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2007**, 144, 127-131	3.1	21
323	Strain-induced stabilization of new magnetic spinel structures in epitaxial oxide heterostructures. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2007**, 144, 43-48	3.1	30
322	Step formation, faceting, and bunching in atomically flat SrTiO3 (110) surfaces. *Applied Physics Letters*, **2007**, 91, 251904	3.4	24
321	Reversible ferromagnetic switching in ZnO:(Co, Mn) powders. *Physical Review B*, **2007**, 75,	3.3	90
320	Structural and functional characterization of (110)-oriented epitaxial La2□3Ca1□3MnO3 electrodes and SrTiO3 tunnel barriers. *Journal of Applied Physics*, **2007**, 101, 093902	2.5	13
319	Elastic and orbital effects on thickness-dependent properties of manganite thin films. *Physical Review B*, **2007**, 76,	3.3	87
318	Dielectric anomaly and magnetic response of epitaxial orthorhombic YMnO3 thin films. *Journal of Materials Research*, **2007**, 22, 2096-2101	2.5	23
317	Electric field effects on magnetotransport properties of multiferroic Py/YMnO3/Pt heterostructures. *Philosophical Magazine Letters*, **2007**, 87, 183-191	1	6
316	Control of the surface roughening in the epitaxial growth of manganite films. *Thin Solid Films*, **2006**, 495, 154-158	2.2	5
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