

Rudolf Gross

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

332
papers

13,029
citations

58
h-index

100
g-index

340
ext. papers

14,454
ext. citations

3.9
avg, IF

5.89
L-index

#	Paper	IF	Citations
332	Magnon transport in Y3Fe5O12/Pt nanostructures with reduced effective magnetization. <i>Physical Review B</i> , 2021 , 104,	3.3	3
331	Growth optimization of TaN for superconducting spintronics. <i>Materials for Quantum Technology</i> , 2021 , 1, 045001		0
330	Quantifying the spin mixing conductance of EuO/W heterostructures by spin Hall magnetoresistance experiments. <i>Applied Physics Letters</i> , 2021 , 118, 192401	3.4	4
329	Growth of aluminum nitride on a silicon nitride substrate for hybrid photonic circuits. <i>Materials for Quantum Technology</i> , 2021 , 1, 021002		2
328	Temperature-Dependent Spin Transport and Current-Induced Torques in Superconductor-Ferromagnet Heterostructures. <i>Physical Review Letters</i> , 2021 , 126, 087201	7.4	7
327	Tunable cooperativity in coupled spin-cavity systems. <i>Physical Review B</i> , 2021 , 104,	3.3	3
326	Experimental quantum teleportation of propagating microwaves.. <i>Science Advances</i> , 2021 , 7, eabk0891	14.3	2
325	Observation of Antiferromagnetic Magnon Pseudospin Dynamics and the Hanle Effect. <i>Physical Review Letters</i> , 2020 , 125, 247204	7.4	17
324	Spin Hall magnetoresistance in antiferromagnetic insulators. <i>Journal of Applied Physics</i> , 2020 , 127, 243902	10.5	10
323	Large Spin Hall Magnetoresistance in Antiferromagnetic He2O3/Pt Heterostructures. <i>Physical Review Applied</i> , 2020 , 13,	4.3	20
322	Static magnetic proximity effects and spin Hall magnetoresistance in Pt/Y3Fe5O12 and inverted Y3Fe5O12/Pt bilayers. <i>Physical Review B</i> , 2020 , 102,	3.3	5
321	Resonant nanodiffraction x-ray imaging reveals role of magnetic domains in complex oxide spin caloritronics. <i>Science Advances</i> , 2020 , 6,	14.3	1
320	Effect of interfacial oxidation layer in spin pumping experiments on Ni80Fe20/SrIrO3 heterostructures. <i>Journal of Applied Physics</i> , 2020 , 128, 083903	2.5	4
319	Quantitative comparison of magnon transport experiments in three-terminal YIG/Pt nanostructures acquired via dc and ac detection techniques. <i>Applied Physics Letters</i> , 2020 , 117, 182401	3.4	2
318	Echo Trains in Pulsed Electron Spin Resonance of a Strongly Coupled Spin Ensemble. <i>Physical Review Letters</i> , 2020 , 125, 137701	7.4	5
317	Anomalous spin Hall angle of a metallic ferromagnet determined by a multiterminal spin injection/detection device. <i>Applied Physics Letters</i> , 2019 , 115, 092404	3.4	6
316	Role of interface quality for the spin Hall magnetoresistance in nickel ferrite thin films with bulk-like magnetic properties. <i>Applied Physics Letters</i> , 2019 , 115, 092403	3.4	8

315	High spin-wave propagation length consistent with low damping in a metallic ferromagnet. <i>Applied Physics Letters</i> , 2019 , 115, 122402	3.4	17
314	Exchange-Enhanced Ultrastrong Magnon-Magnon Coupling in a Compensated Ferrimagnet. <i>Physical Review Letters</i> , 2019 , 123, 117204	7.4	44
313	Magnetoelasticity of Co ₂₅ Fe ₇₅ thin films. <i>Journal of Applied Physics</i> , 2019 , 126, 103902	2.5	1
312	Secure quantum remote state preparation of squeezed microwave states. <i>Nature Communications</i> , 2019 , 10, 2604	17.4	30
311	Towards Oxide Electronics: a Roadmap. <i>Applied Surface Science</i> , 2019 , 482, 1-93	6.7	160
310	Spin Transport in a Magnetic Insulator with Zero Effective Damping. <i>Physical Review Letters</i> , 2019 , 123, 257201	7.4	27
309	Lock-in thermography measurements of the spin Peltier effect in a compensated ferrimagnet and its comparison to the spin Seebeck effect. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 194002	3	17
308	Spin Hall magnetoresistance in antiferromagnet/heavy-metal heterostructures. <i>Physical Review B</i> , 2018 , 97,	3.3	85
307	Spin-Torque Excitation of Perpendicular Standing Spin Waves in Coupled YIG/Co Heterostructures. <i>Physical Review Letters</i> , 2018 , 120, 127201	7.4	76
306	Note: Derivative divide, a method for the analysis of broadband ferromagnetic resonance in the frequency domain. <i>Review of Scientific Instruments</i> , 2018 , 89, 076101	1.7	7
305	Parity-Engineered Light-Matter Interaction. <i>Physical Review Letters</i> , 2018 , 121, 060503	7.4	6
304	Finite-time quantum entanglement in propagating squeezed microwaves. <i>Scientific Reports</i> , 2018 , 8, 6416	4.9	14
303	Ultrawide-range photon number calibration using a hybrid system combining nano-electromechanics and superconducting circuit quantum electrodynamics. <i>Applied Physics Letters</i> , 2018 , 113, 152601	3.4	3
302	Quantum probe of an on-chip broadband interferometer for quantum microwave photonics. <i>Superconductor Science and Technology</i> , 2018 , 31, 115002	3.1	3
301	Frequency Control and Coherent Excitation Transfer in a Nanostring-resonator Network. <i>Physical Review Applied</i> , 2018 , 10,	4.3	5
300	Compact 3D quantum memory. <i>Applied Physics Letters</i> , 2018 , 112, 202601	3.4	7
299	Photon Statistics of Propagating Thermal Microwaves. <i>Physical Review Letters</i> , 2017 , 118, 103602	7.4	23
298	Pure spin current transport in gallium doped zinc oxide. <i>Applied Physics Letters</i> , 2017 , 110, 052403	3.4	2

297	Magnon Mode Selective Spin Transport in Compensated Ferrimagnets. <i>Nano Letters</i> , 2017 , 17, 3334-3340	1.5	35
296	Gilbert damping of magnetostatic modes in a yttrium iron garnet sphere. <i>Applied Physics Letters</i> , 2017 , 110, 092409	3-4	30
295	Tunable magnon-photon coupling in a compensating ferrimagnet from weak to strong coupling. <i>Applied Physics Letters</i> , 2017 , 110, 132401	3-4	18
294	Impact of the interface quality of Pt/YIG(111) hybrids on their spin Hall magnetoresistance. <i>Applied Physics Letters</i> , 2017 , 110, 012403	3-4	23
293	Hysteretic Flux Response and Nondegenerate Gain of Flux-Driven Josephson Parametric Amplifiers. <i>Physical Review Applied</i> , 2017 , 8,	4-3	14
292	Observation of the spin Nernst effect. <i>Nature Materials</i> , 2017 , 16, 977-981	27	85
291	Temperature dependence of the non-local spin Seebeck effect in YIG/Pt nanostructures. <i>AIP Advances</i> , 2017 , 7, 085102	1.5	21
290	Helimagnon Resonances in an Intrinsic Chiral Magnonic Crystal. <i>Physical Review Letters</i> , 2017 , 119, 237204	4	18
289	Temperature-dependent magnetic damping of yttrium iron garnet spheres. <i>Physical Review B</i> , 2017 , 95,	3-3	50
288	Spin pumping in strongly coupled magnon-photon systems. <i>Physical Review B</i> , 2016 , 94,	3-3	50
287	Spin Hall magnetoresistance in a canted ferrimagnet. <i>Physical Review B</i> , 2016 , 94,	3-3	55
286	Ultrastrong coupling in two-resonator circuit QED. <i>Physical Review B</i> , 2016 , 93,	3-3	63
285	Displacement of Propagating Squeezed Microwave States. <i>Physical Review Letters</i> , 2016 , 117, 020502	7-4	34
284	Tunable coupling of transmission-line microwave resonators mediated by an rf SQUID. <i>EPJ Quantum Technology</i> , 2016 , 3,	6-9	33
283	Origin of the spin Seebeck effect in compensated ferrimagnets. <i>Nature Communications</i> , 2016 , 7, 10452	17-4	115
282	Loss mechanisms in superconducting thin film microwave resonators. <i>Journal of Applied Physics</i> , 2016 , 119, 015304	2-5	31
281	Untangling the contributions of cerium and iron to the magnetism of Ce-doped yttrium iron garnet. <i>Applied Physics Letters</i> , 2016 , 108, 102407	3-4	7
280	Magnon-based logic in a multi-terminal YIG/Pt nanostructure. <i>Applied Physics Letters</i> , 2016 , 109, 022405	3-4	55

279	Combined Brillouin light scattering and microwave absorption study of magnon-photon coupling in a split-ring resonator/YIG film system. <i>Applied Physics Letters</i> , 2016 , 109, 072402	3.4	25
278	A versatile platform for magnetostriction measurements in thin films. <i>Journal of Applied Physics</i> , 2016 , 119, 093901	2.5	5
277	Integrated superconducting detectors on semiconductors for quantum optics applications. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1.9	13
276	Towards on-chip generation, routing and detection of non-classical light 2015 ,		3
275	On-Chip Generation, Routing, and Detection of Resonance Fluorescence. <i>Nano Letters</i> , 2015 , 15, 5208-13	1.5	57
274	Quantum state engineering with circuit electromechanical three-body interactions. <i>Physical Review Letters</i> , 2015 , 114, 173602	7.4	26
273	Anomalous Hall effect in YIG/Pt bilayers. <i>Applied Physics Letters</i> , 2015 , 106, 132402	3.4	53
272	An all-electrical torque differential magnetometer operating under ambient conditions. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	3
271	Sign of inverse spin Hall voltages generated by ferromagnetic resonance and temperature gradients in yttrium iron garnet platinum bilayers. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 025001	3	48
270	Correlation between Fermi surface transformations and superconductivity in the electron-doped high-Tc superconductor Nd _{2-x} Ce _x CuO ₄ . <i>Physical Review B</i> , 2015 , 92,	3.3	31
269	Current-induced spin torque resonance of a magnetic insulator. <i>Physical Review B</i> , 2015 , 92,	3.3	44
268	Antiferromagnetic resonance detected by direct current voltages in MnF ₂ /Pt bilayers. <i>Journal of Applied Physics</i> , 2015 , 118, 233907	2.5	19
267	High cooperativity coupling between a phosphorus donor spin ensemble and a superconducting microwave resonator. <i>Applied Physics Letters</i> , 2015 , 107, 142105	3.4	27
266	Non-local magnetoresistance in YIG/Pt nanostructures. <i>Applied Physics Letters</i> , 2015 , 107, 172405	3.4	105
265	Tunable and switchable coupling between two superconducting resonators. <i>Physical Review B</i> , 2015 , 91,	3.3	42
264	Zinc oxide from dilute magnetic doping to spin transport. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 1700-1709	1.3	26
263	Determination of effective mechanical properties of a double-layer beam by means of a nano-electromechanical transducer. <i>Applied Physics Letters</i> , 2014 , 105, 133102	3.4	11
262	Spin Hall magnetoimpedance. <i>Physical Review B</i> , 2014 , 90,	3.3	14

261	Laser molecular beam epitaxy of ZnO thin films and heterostructures. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 034002	3	46
260	Dual-path methods for propagating quantum microwaves. <i>New Journal of Physics</i> , 2014 , 16, 015001	2.9	20
259	Strain-controlled nonvolatile magnetization switching. <i>Solid State Communications</i> , 2014 , 198, 7-12	1.6	5
258	Circuit electromechanics with a non-metallized nanobeam. <i>Applied Physics Letters</i> , 2014 , 105, 123106	3.4	5
257	Spin Hall noise. <i>Physical Review B</i> , 2014 , 90,	3.3	19
256	A carrier relaxation bottleneck probed in single InGaAs quantum dots using integrated superconducting single photon detectors. <i>Applied Physics Letters</i> , 2014 , 105, 081107	3.4	14
255	Time resolved spin Seebeck effect experiments. <i>Applied Physics Letters</i> , 2014 , 104, 202410	3.4	37
254	Unambiguous determination of spin dephasing times in ZnO by time-resolved magneto-optical pump-probe experiments. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 1861-1871	1.3	11
253	Temperature dependent spin transport properties of platinum inferred from spin Hall magnetoresistance measurements. <i>Applied Physics Letters</i> , 2014 , 104, 242411	3.4	69
252	Converse magnetoelectric effects in Fe ₃ O ₄ /BaTiO ₃ multiferroic hybrids. <i>Physical Review B</i> , 2013 , 88,	3.3	38
251	Magnon, phonon, and electron temperature profiles and the spin Seebeck effect in magnetic insulator/normal metal hybrid structures. <i>Physical Review B</i> , 2013 , 88,	3.3	157
250	Experimental test of the spin mixing interface conductivity concept. <i>Physical Review Letters</i> , 2013 , 111, 176601	7.4	233
249	High cooperativity in coupled microwave resonator ferrimagnetic insulator hybrids. <i>Physical Review Letters</i> , 2013 , 111, 127003	7.4	354
248	Slowing, advancing and switching of microwave signals using circuit nanoelectromechanics. <i>Nature Physics</i> , 2013 , 9, 179-184	16.2	128
247	Tunable coupling engineering between superconducting resonators: From sidebands to effective gauge fields. <i>Physical Review B</i> , 2013 , 87,	3.3	88
246	Quantitative study of the spin Hall magnetoresistance in ferromagnetic insulator/normal metal hybrids. <i>Physical Review B</i> , 2013 , 87,	3.3	346
245	Optimisation of NbN thin films on GaAs substrates for in-situ single photon detection in structured photonic devices. <i>Journal of Applied Physics</i> , 2013 , 113, 143507	2.5	17
244	Spin Hall magnetoresistance induced by a nonequilibrium proximity effect. <i>Physical Review Letters</i> , 2013 , 110, 206601	7.4	677

243	On-chip time resolved detection of quantum dot emission using integrated superconducting single photon detectors. <i>Scientific Reports</i> , 2013 , 3, 1901	4.9	84
242	Gradiometric flux qubits with a tunable gap. <i>New Journal of Physics</i> , 2013 , 15, 045001	2.9	22
241	Squeezing with a flux-driven Josephson parametric amplifier. <i>New Journal of Physics</i> , 2013 , 15, 125013	2.9	63
240	Current heating induced spin Seebeck effect. <i>Applied Physics Letters</i> , 2013 , 103, 242404	3.4	73
239	Magneto-optical imaging of elastic strain-controlled magnetization reorientation. <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	11
238	Surface acoustic wave driven ferromagnetic resonance in nickel thin films: Theory and experiment. <i>Physical Review B</i> , 2012 , 86,	3.3	138
237	Path entanglement of continuous-variable quantum microwaves. <i>Physical Review Letters</i> , 2012 , 109, 250502	7.4	98
236	Investigation of induced Pt magnetic polarization in Pt/Y3Fe5O12 bilayers. <i>Applied Physics Letters</i> , 2012 , 101, 262407	3.4	102
235	Electromechanically induced absorption in a circuit nano-electromechanical system. <i>New Journal of Physics</i> , 2012 , 14, 123037	2.9	53
234	Giant magnetoelastic effects in BaTiO3-based extrinsic multiferroic hybrids. <i>Physical Review B</i> , 2012 , 86,	3.3	12
233	Spin transport and spin dephasing in zinc oxide. <i>Applied Physics Letters</i> , 2012 , 101, 082404	3.4	24
232	Networks of nonlinear superconducting transmission line resonators. <i>New Journal of Physics</i> , 2012 , 14, 075024	2.9	53
231	Spin pumping with coherent elastic waves. <i>Physical Review Letters</i> , 2012 , 108, 176601	7.4	147
230	Local charge and spin currents in magnetothermal landscapes. <i>Physical Review Letters</i> , 2012 , 108, 106602	7.4	197
229	Elastically driven ferromagnetic resonance in nickel thin films. <i>Physical Review Letters</i> , 2011 , 106, 117601	7.4	195
228	Novel multifunctional materials based on oxide thin films and artificial heteroepitaxial multilayers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 232-251	1.6	41
227	Experimental observation of an enhanced anisotropic magnetoresistance in non-local configuration. <i>Applied Physics Letters</i> , 2011 , 99, 142112	3.4	2
226	Local tunneling magnetoresistance probed by low-temperature scanning laser microscopy. <i>Applied Physics Letters</i> , 2011 , 99, 182513	3.4	3

225	Circuit quantum electrodynamics in the ultrastrong-coupling regime. <i>Nature Physics</i> , 2010 , 6, 772-776	16.2	902
224	Magnetic breakdown in the electron-doped cuprate superconductor Nd(2-x)Ce(x)CuO4: the reconstructed Fermi surface survives in the strongly overdoped regime. <i>Physical Review Letters</i> , 2010 , 105, 247002	7.4	55
223	Dual-path state reconstruction scheme for propagating quantum microwaves and detector noise tomography. <i>Physical Review Letters</i> , 2010 , 105, 100401	7.4	68
222	Electric field controlled manipulation of the magnetization in Ni/BaTiO3 hybrid structures. <i>Applied Physics Letters</i> , 2010 , 96, 142509	3.4	147
221	Planck spectroscopy and quantum noise of microwave beam splitters. <i>Physical Review Letters</i> , 2010 , 105, 133601	7.4	51
220	A superconducting 180° hybrid ring coupler for circuit quantum electrodynamics. <i>Applied Physics Letters</i> , 2010 , 97, 222508	3.4	15
219	Josephson coupling and Fiske dynamics in ferromagnetic tunnel junctions. <i>European Physical Journal B</i> , 2010 , 78, 509-523	1.2	23
218	Evolution of the Fermi surface of the electron-doped high-temperature superconductor Nd(2-x)Ce(x)CuO(4) revealed by Shubnikov-de Haas oscillations. <i>Physical Review Letters</i> , 2009 , 103, 157002	7.4	105
217	Epitaxial growth and magnetic properties of Sr2CrReO6 thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 2001-2004	2.8	17
216	Organic superconductors revisited. <i>European Physical Journal B</i> , 2009 , 69, 167-171	1.2	1
215	Epitaxial Zn _x Fe _{3-x} O ₄ thin films: A spintronic material with tunable electrical and magnetic properties. <i>Physical Review B</i> , 2009 , 79,	3.3	122
214	Two-photon probe of the Jaynes-Cummings model and controlled symmetry breaking in circuit QED. <i>Nature Physics</i> , 2008 , 4, 686-691	16.2	143
213	All oxide ferromagnet/semiconductor epitaxial heterostructures. <i>Applied Physics Letters</i> , 2008 , 93, 162510	3.4	28
212	Phase diagram of the electron-doped La _{2-x} Ce _x CuO ₄ cuprate superconductor from Andreev bound states at grain boundary junctions. <i>Physical Review Letters</i> , 2008 , 100, 227001	7.4	11
211	Anomalous Hall effect in magnetite: Universal scaling relation between Hall and longitudinal conductivity in low-conductivity ferromagnets. <i>Physical Review B</i> , 2008 , 78,	3.3	46
210	Nanosized superparamagnetic precipitates in cobalt-doped ZnO. <i>European Physical Journal B</i> , 2008 , 63, 437-444	1.2	55
209	Piezo-voltage control of magnetization orientation in a ferromagnetic semiconductor. <i>Physica Status Solidi - Rapid Research Letters</i> , 2008 , 2, 96-98	2.5	35
208	Electrically detected ferromagnetic resonance. <i>Applied Physics Letters</i> , 2007 , 90, 162507	3.4	26

207	Multiferroic materials based on artificial thin film heterostructures. <i>Philosophical Magazine Letters</i> , 2007 , 87, 141-154	1	23
206	From Flux Quantization to Superconducting Quantum Bits. <i>Journal of Superconductivity and Novel Magnetism</i> , 2007 , 19, 331-340	1.5	2
205	Effect of substrate on the electrical transport property of Ba ₂ FeNbO ₆ double perovskite thin films. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 1430-1434	3	5
204	Influence of disorder on the low and high temperature magnetization and magnetoresistance in Pr _{0.6} R _{0.1} Sr _{0.3} MnO ₃ (R = Tb, Y, Ho and Er) manganite. <i>Journal of Alloys and Compounds</i> , 2007 , 443, 7-10	5.7	4
203	Weak ferromagnetism in textured Zn _{1-x} (TM) _x O thin films. <i>Superlattices and Microstructures</i> , 2006 , 39, 334-339	2.8	14
202	Effect of strain and tetragonal lattice distortions in doped perovskite manganites. <i>Physical Review B</i> , 2006 , 73,	3.3	37
201	Magnetic Tunnel Junctions Based on Half-Metallic Oxides 2006 , 49-110		2
200	Ferromagnetism in epitaxial Zn _{0.95} Co _{0.05} O films grown on ZnO and Al ₂ O ₃ . <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006 , 203, 3581-3596	1.6	19
199	Ferroelectric and magnetic properties of Ho ₂ CuTiO ₆ double perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 303, e332-e334	2.8	15
198	Room-temperature ferromagnetic Mn-allyed ZnO films obtained by pulsed laser deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 307, 212-221	2.8	38
197	Epitaxial growth of electron doped double perovskites La _x A _{2-x} CrWO ₆ with A=Sr and Ca. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 1154-1157	2.8	10
196	Grain boundaries in high temperature superconductors: A retrospective view. <i>Physica C: Superconductivity and Its Applications</i> , 2005 , 432, 105-115	1.3	13
195	Ferromagnetism in Mn-doped ZnO due to impurity bands. <i>Superlattices and Microstructures</i> , 2005 , 37, 327-332	2.8	20
194	Structure and transport properties of coherently strained La _{2/3} Ca _{1/3} MnO ₃ /SrTiO ₃ superlattices. <i>Physica Status Solidi (B): Basic Research</i> , 2005 , 242, 1545-1560	1.3	5
193	X-ray magnetic circular dichroism study of Re 5d magnetism in Sr ₂ CrReO ₆ . <i>Applied Physics Letters</i> , 2005 , 87, 202503	3.4	52
192	Diffusion and segregation effects in doped manganite/titanate heterostructures. <i>Applied Physics Letters</i> , 2004 , 84, 3882-3884	3.4	25
191	Hydrogen control of ferromagnetism in a dilute magnetic semiconductor. <i>Physical Review Letters</i> , 2004 , 92, 227202	7.4	69
190	Hall effect, magnetization, and conductivity of Fe ₃ O ₄ epitaxial thin films. <i>Applied Physics Letters</i> , 2004 , 85, 4980-4982	3.4	69

189	Study of magnetic properties of $A_2B_2NbO_6$ ($A=Ba, Sr, BaSr$; and $B=Fe$ and Mn) double perovskites. <i>Journal of Applied Physics</i> , 2004 , 95, 7528-7530	2.5	47
188	Spin wave resonance in $Ga_{1-x}Mn_xAs$. <i>Applied Physics Letters</i> , 2003 , 82, 730-732	3.4	82
187	A hidden pseudogap under the dome of superconductivity in electron-doped high-temperature superconductors. <i>Nature</i> , 2003 , 422, 698-701	50.4	109
186	Sub-unit cell layer-by-layer growth of Fe_3O_4 , MgO , and Sr_2RuO_4 thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2003 , 77, 619-621	2.6	27
185	Biaxial strain and orbital order in $La_{2/3}Ca_{1/3}MnO_3$ thin films. <i>Physica B: Condensed Matter</i> , 2003 , 329-333, 965-966	2.8	2
184	Pseudogap and conservation of states in electron doped high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 388-389, 299-300	1.3	
183	Evidence of reduction in spin disorder by Ho^{3+} doping in $La_{0.7}Ca_{0.3}MnO$. <i>Philosophical Magazine</i> , 2003 , 83, 1631-1643	1.6	
182	Orbital order and anisotropic transport properties in doped manganites induced by epitaxial coherency strain. <i>Journal of Applied Physics</i> , 2003 , 93, 7373-7375	2.5	20
181	Epitaxial growth and transport properties of Sr_2CrWO_6 thin films. <i>Journal of Applied Physics</i> , 2003 , 93, 6853-6855	2.5	26
180	Epitaxy of Fe_3O_4 on $Si(001)$ by pulsed laser deposition using a TiN/MgO buffer layer. <i>Journal of Applied Physics</i> , 2003 , 94, 1857-1863	2.5	32
179	Growth and Magnetotransport Properties of Epitaxial Films of the Layered Perovskite $La_{2-x}Sr_{1+2x}Mn_2O_7$. <i>Physica Status Solidi A</i> , 2002 , 189, 367-371		1
178	Structure of Coherently Strained Films of Doped Manganites. <i>Physica Status Solidi A</i> , 2002 , 189, 617-620		10
177	Ultraviolet light assisted oxygenation process for submicron $YBa_2Cu_3O_{7-x}$ thin film devices. <i>Journal of Applied Physics</i> , 2002 , 91, 5411-5418	2.5	18
176	Heteroepitaxial growth of high-temperature superconductors and doped manganites in ramp type geometry. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 350, 237-243	1.3	7
175	Role of ion beam etching in the fabrication of ramp-type junctions. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 351, 200-214	1.3	2
174	Pseudogap like tunneling spectra in electron doped high-temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 134-137	1.3	
173	Phase sensitive measurements of the superconducting order parameter in hole and electron doped HTS. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 309-312	1.3	1
172	Thermal conductivity and thermal Hall effect in Bi- and Y-based high- T_c superconductors. <i>European Physical Journal B</i> , 2001 , 20, 189-208	1.2	13

171	. <i>IEEE Transactions on Applied Superconductivity</i> , 2001 , 11, 912-915	1.8	12
170	Transport and noise characteristics of submicron high-temperature superconductor grain-boundary junctions. <i>Applied Physics Letters</i> , 2001 , 78, 955-957	3.4	24
169	Evidence for canted antiferromagnetism in lightly doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Physical Review B</i> , 2001 , 64,	3.3	25
168	Comparison of Josephson vortex flow transistors with different gate line configurations. <i>Applied Physics Letters</i> , 2001 , 78, 1095-1097	3.4	5
167	Spin-dependent transport in the double-perovskite Sr_2CrWO_6 . <i>Applied Physics Letters</i> , 2001 , 79, 3654-3656	3.4	63
166	Heteroepitaxial growth of transition metal oxides using UHV laser molecular beam epitaxy 2000 ,		25
165	Crystal growth of $\text{Na}(\text{V},\text{Ti})_2\text{O}_5$. <i>Journal of Crystal Growth</i> , 2000 , 210, 646-650	1.6	1
164	Determination of the order parameter symmetry in hole and electron doped cuprate superconductors. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 591-592	2.8	2
163	Anisotropic antiferromagnetism in $\text{Ca}_9\text{La}_5\text{Cu}_{24}\text{O}_{41}$. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 471-472	1.3	
162	Symmetry of the order parameter in hole and electron doped cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 1659-1662	1.3	2
161	Vortex imaging by low-temperature scanning electron microscopy and correlation with low-frequency noise in YBCO DC SQUIDS. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 332, 148-155	1.3	6
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14	Two-dimensional imaging of trapped magnetic flux quanta in Josephson tunnel junctions. <i>Physical Review B</i> , 1987 , 35, 5267-5269	3.3	30
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12	Measurement of the spatial distribution of the maximum Josephson current in superconducting tunnel junctions. <i>Journal of Low Temperature Physics</i> , 1987 , 68, 245-268	1.3	34
11	Spatially resolved observation of current filament dynamics in semiconductors. <i>Solid State Communications</i> , 1987 , 63, 55-59	1.6	89
10	Calculations of the Josephson current distribution in two-dimensional tunnel junctions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987 , 121, 241-244	2.3	9

9	Elementary pinning forces measured using low temperature scanning electron microscopy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987 , 122, 439-442	2.3	15
8	Spatial structure of the inhomogeneous gap state in nonequilibrium superconductors. <i>Journal of Low Temperature Physics</i> , 1986 , 62, 245-259	1.3	14
7	Experimental survey of chaos in the Josephson effect. <i>Journal of Low Temperature Physics</i> , 1986 , 64, 235-268	1.3	16
6	Effect of electron-beam irradiation on superconducting films. <i>Journal of Low Temperature Physics</i> , 1985 , 60, 277-295	1.3	18
5	Probing of energy gap distribution in superconducting tunnel junctions by low temperature scanning electron microscopy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1985 , 109, 298-302	2.3	9
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1	Plasmid and chromosomal mutants in the iron(III)-aerobactin transport system of <i>Escherichia coli</i> . Use of streptonigrin for selection. <i>Molecular Genetics and Genomics</i> , 1983 , 192, 131-9		74