Rudolf Gross

List of Publications by Citations

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	Circuit quantum electrodynamics in the ultrastrong-coupling regime. *Nature Physics*, **2010**, 6, 772-776	16.2	902
331	Spin Hall magnetoresistance induced by a nonequilibrium proximity effect. *Physical Review Letters*, **2013**, 110, 206601	7.4	677
330	High cooperativity in coupled microwave resonator ferrimagnetic insulator hybrids. *Physical Review Letters*, **2013**, 111, 127003	7.4	354
329	Quantitative study of the spin Hall magnetoresistance in ferromagnetic insulator/normal metal hybrids. *Physical Review B*, **2013**, 87,	3.3	346
328	Thermally activated phase slippage in high-Tc grain-boundary Josephson junctions. *Physical Review Letters*, **1990**, 64, 228-231	7.4	247
327	Experimental test of the spin mixing interface conductivity concept. *Physical Review Letters*, **2013**, 111, 176601	7.4	233
326	Low noise YBa2Cu3O7 grain boundary junction dc SQUIDs. *Applied Physics Letters*, **1990**, 57, 727-729	3.4	220
325	Local charge and spin currents in magnetothermal landscapes. *Physical Review Letters*, **2012**, 108, 106602	7.4	197
324	Elastically driven ferromagnetic resonance in nickel thin films. *Physical Review Letters*, **2011**, 106, 117601	7.4	195
323	Physics of grain boundaries in the colossal magnetoresistance manganites. *Journal of Magnetism and Magnetic Materials*, **2000**, 211, 150-159	2.8	170
322	Transport processes and noise in YBa2Cu3O7 grain boundary junctions. *Physica C: Superconductivity and Its Applications*, **1991**, 180, 235-242	1.3	164
321	Towards Oxide Electronics: a Roadmap. *Applied Surface Science*, **2019**, 482, 1-93	6.7	160
320	Magnon, phonon, and electron temperature profiles and the spin Seebeck effect in magnetic insulator/normal metal hybrid structures. *Physical Review B*, **2013**, 88,	3.3	157
319	Electric field controlled manipulation of the magnetization in Ni/BaTiO3 hybrid structures. *Applied Physics Letters*, **2010**, 96, 142509	3.4	147
318	Spin pumping with coherent elastic waves. *Physical Review Letters*, **2012**, 108, 176601	7.4	147
317	Two-photon probe of the Jaynes Cummings model and controlled symmetry breaking in circuit QED. *Nature Physics*, **2008**, 4, 686-691	16.2	143
316	Nernst, Seebeck, and Hall effects in the mixed state of YBa2Cu3O7- delta and Bi2Sr2CaCu2O8+x thin films: A comparative study. *Physical Review B*, **1994**, 50, 3312-3329	3.3	141

315	Surface acoustic wave driven ferromagnetic resonance in nickel thin films: Theory and experiment. *Physical Review B*, **2012**, 86,	3.3	138
314	Slowing, advancing and switching of microwave signals using circuit nanoelectromechanics. *Nature Physics*, **2013**, 9, 179-184	16.2	128
313	Epitaxial ZnxFe3−xO4 thin films: A spintronic material with tunable electrical and magnetic properties. *Physical Review B*, **2009**, 79,	3.3	122
312	Interplay between Charge Order, Magnetism, and Structure in La0.875Sr0.125MnO3. *Physical Review Letters*, **1999**, 82, 185-188	7.4	119
311	Scaling behavior in electrical transport across grain boundaries in YBa2Cu3O7- delta superconductors. *Physical Review B*, **1990**, 42, 10735-10737	3.3	119
310	Origin of the spin Seebeck effect in compensated ferrimagnets. *Nature Communications*, **2016**, 7, 10452	17.4	115
309	Low temperature scanning electron microscopy of superconducting thin films and Josephson junctions. *Reports on Progress in Physics*, **1994**, 57, 651-741	14.4	114
308	Physics and technology of high temperature superconducting Josephson junctions. *IEEE Transactions on Applied Superconductivity*, **1997**, 7, 2929-2935	1.8	113
307	On the nature of grain boundaries in the colossal magnetoresistance manganites. *Europhysics Letters*, **1999**, 47, 371-377	1.6	112
306	A hidden pseudogap under the dome of superconductivity in electron-doped high-temperature superconductors. *Nature*, **2003**, 422, 698-701	50.4	109
305	Observation of bound surface states in grain-boundary junctions of high-temperature superconductors. *Physical Review B*, **1998**, 58, 11197-11200	3.3	109
304	Non-local magnetoresistance in YIG/Pt nanostructures. *Applied Physics Letters*, **2015**, 107, 172405	3.4	105
303	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. *Physical Review Letters*, **2009**, 103, 157002	7.4	105
302	Anomalous Low Temperature Behavior of Superconducting Nd1.85Ce0.15CuO4−y. *Physical Review Letters*, **1999**, 83, 2644-2647	7.4	103
301	Investigation of induced Pt magnetic polarization in Pt/Y3Fe5O12 bilayers. *Applied Physics Letters*, **2012**, 101, 262407	3.4	102
300	Path entanglement of continuous-variable quantum microwaves. *Physical Review Letters*, **2012**, 109, 250502	7.4	98
299	Spatially resolved observation of current filament dynamics in semiconductors. *Solid State Communications*, **1987**, 63, 55-59	1.6	89
298	Tunable coupling engineering between superconducting resonators: From sidebands to effective gauge fields. *Physical Review B*, **2013**, 87,	3.3	88

297	Heteroepitaxial growth of strained multilayer superconducting thin films of Nd1.83Ce0.17CuOx/YBa2Cu3O7- delta. *Physical Review Letters*, **1990**, 64, 3191-3194	7.4	86
296	Spin Hall magnetoresistance in antiferromagnet/heavy-metal heterostructures. *Physical Review B*, **2018**, 97,	3.3	85
295	Observation of the spin Nernst effect. *Nature Materials*, **2017**, 16, 977-981	27	85
294	On-chip time resolved detection of quantum dot emission using integrated superconducting single photon detectors. *Scientific Reports*, **2013**, 3, 1901	4.9	84
293	Spin wave resonance in Ga1⊠MnxAs. *Applied Physics Letters*, **2003**, 82, 730-732	3.4	82
292	Spin-Torque Excitation of Perpendicular Standing Spin Waves in Coupled YIG/Co Heterostructures. *Physical Review Letters*, **2018**, 120, 127201	7.4	76
291	Strain effects and microstructure of epitaxial manganite thin films and heterostructures. *Applied Physics Letters*, **1999**, 74, 3636-3638	3.4	76
290	Nernst effect in superconducting Y-Ba-Cu-O. *Physical Review Letters*, **1990**, 64, 3195-3198	7.4	75
289	Ratchet effect in dc SQUIDs. *Europhysics Letters*, **2000**, 51, 499-505	1.6	74
288	Plasmid and chromosomal mutants in the iron(III)-aerobactin transport system of Escherichia coli. Use of streptonigrin for selection. *Molecular Genetics and Genomics*, **1983**, 192, 131-9		74
287	Current heating induced spin Seebeck effect. *Applied Physics Letters*, **2013**, 103, 242404	3.4	73
286	Andreev bound states in high temperature superconductors. *European Physical Journal B*, **1998**, 5, 423-438	1.2	73
285	Magnetoresistance of coherently strained La2/3Ba1/3MnO3/SrTiO3 superlattices. *Physical Review B*, **2000**, 62, 15806-15814	3.3	72
284	Temperature dependent spin transport properties of platinum inferred from spin Hall magnetoresistance measurements. *Applied Physics Letters*, **2014**, 104, 242411	3.4	69
283	Hydrogen control of ferromagnetism in a dilute magnetic semiconductor. *Physical Review Letters*, **2004**, 92, 227202	7.4	69
282	Hall effect, magnetization, and conductivity of Fe3O4 epitaxial thin films. *Applied Physics Letters*, **2004**, 85, 4980-4982	3.4	69
281	Dual-path state reconstruction scheme for propagating quantum microwaves and detector noise tomography. *Physical Review Letters*, **2010**, 105, 100401	7.4	68
280	Voltage and temperature dependence of the grain boundary tunneling magnetoresistance in manganites. *Europhysics Letters*, **2000**, 50, 681-687	1.6	66

279	Spatially Resolved Observation of Supercurrents Across Grain Boundaries in YBaCuO Films. *Science*, **1989**, 245, 839-41	33.3	66
278	Ultrastrong coupling in two-resonator circuit QED. *Physical Review B*, **2016**, 93,	3.3	63
277	Squeezing with a flux-driven Josephson parametric amplifier. *New Journal of Physics*, **2013**, 15, 125013	2.9	63
276	Spin-dependent transport in the double-perovskite Sr2CrWO6. *Applied Physics Letters*, **2001**, 79, 3654-3656	3.4	63
275	1/f noise in Bi2Sr2CaCu2O8+x bicrystal grain-boundary Josephson junctions. *Physical Review B*, **1995**, 51, 6735-6738	3.3	58
274	Superconducting transport characteristics of YBa/sub 2/Cu/sub 3/O/sub 7- delta / grain boundary junctions. *IEEE Transactions on Magnetics*, **1991**, 27, 3227-3230	2	58
273	On-Chip Generation, Routing, and Detection of Resonance Fluorescence. *Nano Letters*, **2015**, 15, 5208-13	11.5	57
272	Mobility of holes and suppression of antiferromagnetic order in La2□SrxCuO4. *Physical Review B*, **1999**, 59, R725-R728	3.3	56
271	Spin Hall magnetoresistance in a canted ferrimagnet. *Physical Review B*, **2016**, 94,	3.3	55
270	Magnetic breakdown in the electron-doped cuprate superconductor Nd(2-x)Ce(x)CuO4: the reconstructed Fermi surface survives in the strongly overdoped regime. *Physical Review Letters*, **2010**, 105, 247002	7.4	55
269	Nanosized superparamagnetic precipitates in cobalt-doped ZnO. *European Physical Journal B*, **2008**, 63, 437-444	1.2	55
268	Magnon-based logic in a multi-terminal YIG/Pt nanostructure. *Applied Physics Letters*, **2016**, 109, 022405	3.4	55
267	Anomalous Hall effect in YIG|Pt bilayers. *Applied Physics Letters*, **2015**, 106, 132402	3.4	53
266	Electromechanically induced absorption in a circuit nano-electromechanical system. *New Journal of Physics*, **2012**, 14, 123037	2.9	53
265	Networks of nonlinear superconducting transmission line resonators. *New Journal of Physics*, **2012**, 14, 075024	2.9	53
264	X-ray magnetic circular dichroism study of Re 5d magnetism in Sr2CrReO6. *Applied Physics Letters*, **2005**, 87, 202503	3.4	52
263	Planck spectroscopy and quantum noise of microwave beam splitters. *Physical Review Letters*, **2010**, 105, 133601	7.4	51
262	Spin pumping in strongly coupled magnon-photon systems. *Physical Review B*, **2016**, 94,	3.3	50

261	Temperature-dependent magnetic damping of yttrium iron garnet spheres. *Physical Review B*, **2017** , 95,	3.3	50
260	Sign of inverse spin Hall voltages generated by ferromagnetic resonance and temperature gradients in yttrium iron garnet platinum bilayers. *Journal Physics D: Applied Physics*, **2015**, 48, 025001	3	48
259	Study of magnetic properties of A2B?NbO6 (A=Ba,Sr,BaSr; and B?=Fe and Mn) double perovskites. *Journal of Applied Physics*, **2004**, 95, 7528-7530	2.5	47
258	Laser molecular beam epitaxy of ZnO thin films and heterostructures. *Journal Physics D: Applied Physics*, **2014**, 47, 034002	3	46
257	Anomalous Hall effect in magnetite: Universal scaling relation between Hall and longitudinal conductivity in low-conductivity ferromagnets. *Physical Review B*, **2008**, 78,	3.3	46
256	Dissipative flux motion in epitaxial YBa2Cu3O7 and Bi2Sr2CaCu2O8+x films. *Physica C: Superconductivity and Its Applications*, **1992**, 192, 403-418	1.3	46
255	Exchange-Enhanced Ultrastrong Magnon-Magnon Coupling in a Compensated Ferrimagnet. *Physical Review Letters*, **2019**, 123, 117204	7.4	44
254	Current-induced spin torque resonance of a magnetic insulator. *Physical Review B*, **2015**, 92,	3.3	44
253	Scaling behavior of 1/f noise in high-temperature superconductor Josephson junctions. *Applied Physics Letters*, **1997**, 70, 120-122	3.4	44
252	Magnetic Aging in Bi2Sr2CaCu2O8 Displaying the Paramagnetic Meissner Effect. *Physical Review Letters*, **1999**, 82, 173-176	7.4	44
251	Superconducting transport properties of Bi2Sr2CaCu2O8+x bicrystal grain boundary junctions. *Applied Physics Letters*, **1993**, 63, 996-998	3.4	44
250	Tunable and switchable coupling between two superconducting resonators. *Physical Review B*, **2015**, 91,	3.3	42
249	. *IEEE Transactions on Applied Superconductivity*, **1995**, 5, 2192-2195	1.8	42
248	Novel multifunctional materials based on oxide thin films and artificial heteroepitaxial multilayers. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 232-251	1.6	41
247	Local magnetic order in manganite thin films studied by 1/f noise measurements. *Physical Review B*, **2000**, 62, 11619-11625	3.3	41
246	Dry-etching processes for high-temperature superconductors. *Physica C: Superconductivity and Its Applications*, **1992**, 200, 277-286	1.3	40
245	Direct probing of the spatial distribution of the maximum Josephson current in a superconducting tunnel junction. *Physical Review Letters*, **1985**, 54, 1448-1451	7.4	39
244	Converse magnetoelectric effects in Fe3O4/BaTiO3 multiferroic hybrids. *Physical Review B*, **2013**, 88,	3.3	38

243	Room-temperature ferromagnetic Mn-alloyed ZnO films obtained by pulsed laser deposition. *Journal of Magnetism and Magnetic Materials*, **2006**, 307, 212-221	2.8	38
242	Thermopower and anomalous heat transport in La0.85Sr0.15MnO3. *Physical Review B*, **1998**, 57, R5571-R5574	3.3	38
241	Seebeck effect in the mixed state of epitaxial YBa2Cu3O7. *Physical Review B*, **1991**, 43, 13739-13742	3.3	38
240	Critical current density of strained multilayer thin films of Nd1.83Ce0.17CuOx/YBa2Cu3O7 *Applied Physics Letters*, **1990**, 57, 203-205	3.4	38
239	Time resolved spin Seebeck effect experiments. *Applied Physics Letters*, **2014**, 104, 202410	3.4	37
238	Effect of strain and tetragonal lattice distortions in doped perovskite manganites. *Physical Review B*, **2006**, 73,	3.3	37
237	Large two-level magnetoresistance effect in doped manganite grain-boundary junctions. *Physical Review B*, **2000**, 62, R9248-R9251	3.3	37
236	Magnetic field dependence of the critical current in YBa2Cu3O7 bicrystal grain boundary junctions. *Applied Physics Letters*, **1993**, 62, 783-785	3.4	37
235	Transport entropy in YBa2Cu3O7: A comparison between epitaxial and polycrystalline thin films. *Physical Review B*, **1991**, 44, 11951-11959	3.3	37
234	Correlation of critical current and resistance fluctuations in bicrystal grain boundary Josephson junctions. *Applied Physics Letters*, **1995**, 67, 1929-1931	3.4	36
233	Magnon Mode Selective Spin Transport in Compensated Ferrimagnets. *Nano Letters*, **2017**, 17, 3334-3340	11.5	35
232	Piezo-voltage control of magnetization orientation in a ferromagnetic semiconductor. *Physica Status Solidi - Rapid Research Letters*, **2008**, 2, 96-98	2.5	35
231	Displacement of Propagating Squeezed Microwave States. *Physical Review Letters*, **2016**, 117, 020502	7.4	34
230	Measurement of the spatial distribution of the maximum Josephson current in superconducting tunnel junctions. *Journal of Low Temperature Physics*, **1987**, 68, 245-268	1.3	34
229	Tunable coupling of transmission-line microwave resonators mediated by an rf SQUID. *EPJ Quantum Technology*, **2016**, 3,	6.9	33
228	Analysis of the critical current density in grain boundary Josephson junctions on a nanometer scale. *Applied Physics Letters*, **1995**, 66, 2289-2291	3.4	33
227	Epitaxy of Fe3O4 on Si(001) by pulsed laser deposition using a TiN/MgO buffer layer. *Journal of Applied Physics*, **2003**, 94, 1857-1863	2.5	32
226	Separation of Quasiparticle and Phononic Heat Currents in YBa2Cu3O7 *Physical Review Letters*, **1999**, 82, 2175-2178	7.4	32

225	Thermal diffusion of quasiparticles and vortices in the mixed state of high-temperature superconductors. *Physical Review B*, **1993**, 47, 12312-12315	3.3	32
224	Correlation between Fermi surface transformations and superconductivity in the electron-doped high-Tc superconductor Nd2−CexCuO4. *Physical Review B*, **2015**, 92,	3.3	31
223	Interplay between magnetism, charge localization, and structure in Sr14−CaxCu24O41. *Physical Review B*, **2000**, 62, 8630-8633	3.3	31
222	Loss mechanisms in superconducting thin film microwave resonators. *Journal of Applied Physics*, **2016**, 119, 015304	2.5	31
221	Gilbert damping of magnetostatic modes in a yttrium iron garnet sphere. *Applied Physics Letters*, **2017**, 110, 092409	3.4	30
220	Secure quantum remote state preparation of squeezed microwave states. *Nature Communications*, **2019**, 10, 2604	17.4	30
219	Two-dimensional imaging of trapped magnetic flux quanta in Josephson tunnel junctions. *Physical Review B*, **1987**, 35, 5267-5269	3.3	30
218	Laser ablation of manganite thin films monitored by in situ RHEED. *Journal of Magnetism and Magnetic Materials*, **2000**, 211, 9-15	2.8	29
217	All oxide ferromagnet/semiconductor epitaxial heterostructures. *Applied Physics Letters*, **2008**, 93, 162510	3.4	28
216	In situmonitoring of the growth of oxide thin films at high oxygen pressure. *Superconductor Science and Technology*, **1999**, 12, 1023-1026	3.1	28
215	Asymmetric high temperature superconducting Josephson vortex-flow transistors with high current gain. *Applied Physics Letters*, **1995**, 67, 1010-1012	3.4	28
214	Spatially resolved observation of the critical current in high-Tc superconducting films. *Nature*, **1988**, 332, 818-819	50.4	28
213	High cooperativity coupling between a phosphorus donor spin ensemble and a superconducting microwave resonator. *Applied Physics Letters*, **2015**, 107, 142105	3.4	27
212	Sub-unit cell layer-by-layer growth of Fe3O4, MgO, and Sr2RuO4 thin films. *Applied Physics A: Materials Science and Processing*, **2003**, 77, 619-621	2.6	27
211	A new inductive method for measuring the critical current density in high-Tc superconducting films. *Physica C: Superconductivity and Its Applications*, **1989**, 161, 468-474	1.3	27
210	Spatial imaging of the critical current density in epitaxial Y1Ba2Cu3O7 films. *Applied Physics Letters*, **1989**, 55, 2132-2134	3.4	27
209	Spin Transport in a Magnetic Insulator with Zero Effective Damping. *Physical Review Letters*, **2019**, 123, 257201	7.4	27
208	Quantum state engineering with circuit electromechanical three-body interactions. *Physical Review Letters*, **2015**, 114, 173602	7.4	26

207	Zinc oxide from dilute magnetic doping to spin transport. *Physica Status Solidi (B): Basic Research*, **2014**, 251, 1700-1709	1.3	26
206	Electrically detected ferromagnetic resonance. *Applied Physics Letters*, **2007**, 90, 162507	3.4	26
205	Epitaxial growth and transport properties of Sr2CrWO6 thin films. *Journal of Applied Physics*, **2003**, 93, 6853-6855	2.5	26
204	Diffusion and segregation effects in doped manganite/titanate heterostructures. *Applied Physics Letters*, **2004**, 84, 3882-3884	3.4	25
203	Evidence for canted antiferromagnetism in lightly doped La1SrxMnO3. *Physical Review B*, **2001**, 64,	3.3	25
202	Heteroepitaxial growth of transition metal oxides using UHV laser molecular beam epitaxy **2000**,		25
201	Superconducting Nd1.85Ce0.15CuO4 bicrystal grain boundary Josephson junctions. *Applied Physics Letters*, **1998**, 72, 2888-2890	3.4	25
200	Phonon thermal conductivity and stripe correlations in La2SrxNiO4 and Sr1.5La0.5MnO4. *Physical Review B*, **1999**, 59, R10397-R10400	3.3	25
199	Noise characteristics of single grain boundary junction DC SQUIDs in Y1Ba2Cu3O7 films. *Physica C: Superconductivity and Its Applications*, **1990**, 170, 315-318	1.3	25
198	Combined Brillouin light scattering and microwave absorption study of magnon-photon coupling in a split-ring resonator/YIG film system. *Applied Physics Letters*, **2016**, 109, 072402	3.4	25
197	Spin transport and spin dephasing in zinc oxide. *Applied Physics Letters*, **2012**, 101, 082404	3.4	24
196	Transport and noise characteristics of submicron high-temperature superconductor grain-boundary junctions. *Applied Physics Letters*, **2001**, 78, 955-957	3.4	24
195	High-resolution transmission electron microscopy study on strained epitaxial manganite thin films and heterostructures. *Journal of Magnetism and Magnetic Materials*, **2000**, 211, 16-21	2.8	24
194	La1.85Sr0.15CuO4 bicrystal grain boundary Josephson junctions. *Applied Physics Letters*, **1996**, 68, 3341-3343	3.4	24
193	Superconducting transport properties of step-edge Josephson junctions. *IEEE Transactions on Applied Superconductivity*, **1993**, 3, 2349-2352	1.8	24
192	Photon Statistics of Propagating Thermal Microwaves. *Physical Review Letters*, **2017**, 118, 103602	7.4	23
191	Impact of the interface quality of Pt/YIG(111) hybrids on their spin Hall magnetoresistance. *Applied Physics Letters*, **2017**, 110, 012403	3.4	23
190	Josephson coupling and Fiske dynamics in ferromagnetic tunnel junctions. *European Physical Journal B*, **2010**, 78, 509-523	1.2	23

189	Multiferroic materials based on artificial thin film heterostructures. *Philosophical Magazine Letters*, **2007**, 87, 141-154	1	23
188	Gradiometric flux qubits with a tunable gap. *New Journal of Physics*, **2013**, 15, 045001	2.9	22
187	Characteristics of YBa/sub 2/Cu/sub 3/O/sub 7- delta / grain boundary junction DC-SQUIDs. *IEEE Transactions on Magnetics*, **1991**, 27, 2565-2568	2	22
186	Temperature stabilized sample stage for the investigation of high Tc superconductors by scanning electron microscopy. *Cryogenics*, **1989**, 29, 716-719	1.8	22
185	Temperature dependence of the non-local spin Seebeck effect in YIG/Pt nanostructures. *AIP Advances*, **2017**, 7, 085102	1.5	21
184	Ising-like antiferromagnetism in Ca9La5Cu24O41. *Physical Review B*, **2000**, 62, R3592-R3595	3.3	21
183	Spatially resolved analysis of high-Tc grain boundary Josephson junctions and arrays. *Journal of Applied Physics*, **1994**, 76, 8005-8015	2.5	21
182	Low-temperature scanning electron microscopy studies of superconducting thin films and Josephson junctions. *Physica B: Condensed Matter*, **1991**, 169, 415-421	2.8	21
181	. *IEEE Transactions on Magnetics*, **1989**, 25, 2250-2253	2	21
180	Low-temperature scanning electron microscopy for studying inhomogeneities in thin-film high-T c superconductors. *European Physical Journal B*, **1988**, 70, 425-430	1.2	21
179	Large Spin Hall Magnetoresistance in Antiferromagnetic Fe2O3/Pt Heterostructures. *Physical Review Applied*, **2020**, 13,	4.3	20
178	Dual-path methods for propagating quantum microwaves. *New Journal of Physics*, **2014**, 16, 015001	2.9	20
177	Orbital order and anisotropic transport properties in doped manganites induced by epitaxial coherency strain. *Journal of Applied Physics*, **2003**, 93, 7373-7375	2.5	20
176	Ferromagnetism in Mn-doped ZnO due to impurity bands. *Superlattices and Microstructures*, **2005**, 37, 327-332	2.8	20
175	Imaging of vortices and 1/f noise sources in YBCO dc SQUIDs using low-temperature scanning electron microscopy. *IEEE Transactions on Applied Superconductivity*, **1999**, 9, 2961-2966	1.8	20
174	Distribution of the critical current density and flux trapping in YBa2Cu3O7 ramp-edge Josephson junctions. *Applied Physics Letters*, **1994**, 64, 241-243	3.4	20
173	Flux-flow induced Nernst effect in superconducting YBaCuO films. *Physica C: Superconductivity and Its Applications*, **1990**, 167, 6-10	1.3	20
172	Spatial distribution of the maximum Josephson current in superconducting tunnel junctions. *Journal of Low Temperature Physics*, **1988**, 70, 459-484	1.3	20

171	Antiferromagentic resonance detected by direct current voltages in MnF2/Pt bilayers. *Journal of Applied Physics*, **2015**, 118, 233907	2.5	19
170	Spin Hall noise. *Physical Review B*, **2014**, 90,	3.3	19
169	Ferromagnetism in epitaxial Zn0.95Co0.05O films grown on ZnO and Al2O3. *Physica Status Solidi (A) Applications and Materials Science*, **2006**, 203, 3581-3596	1.6	19
168	Magnetic-field-effect three-terminal device based on YBa2Cu3O7−δ grain boundary junctions. *Journal of Applied Physics*, **1994**, 75, 1843-1845	2.5	19
167	Tunable magnon-photon coupling in a compensating ferrimagnet: From weak to strong coupling. *Applied Physics Letters*, **2017**, 110, 132401	3.4	18
166	Helimagnon Resonances in an Intrinsic Chiral Magnonic Crystal. *Physical Review Letters*, **2017**, 119, 237204	7.4	18
165	Ultraviolet light assisted oxygenation process for submicron YBa2Cu3O7−δ thin film devices. *Journal of Applied Physics*, **2002**, 91, 5411-5418	2.5	18
164	Thermal-noise-induced resistance and supercurrent correlation function in YBa2Cu3O7- delta grain-boundary Josephson junctions. *Physical Review B*, **1993**, 48, 16172-16175	3.3	18
163	Precision measurement of the in-plane penetration depth lambda ab(T) in YBa2Cu3O7- delta using grain-boundary Josephson junctions. *Physical Review B*, **1994**, 50, 13894-13897	3.3	18
162	Effect of electron-beam irradiation on superconducting films. *Journal of Low Temperature Physics*, **1985**, 60, 277-295	1.3	18
161	High spin-wave propagation length consistent with low damping in a metallic ferromagnet. *Applied Physics Letters*, **2019**, 115, 122402	3.4	17
160	Observation of Antiferromagnetic Magnon Pseudospin Dynamics and the Hanle Effect. *Physical Review Letters*, **2020**, 125, 247204	7.4	17
159	Lock-in thermography measurements of the spin Peltier effect in a compensated ferrimagnet and its comparison to the spin Seebeck effect. *Journal Physics D: Applied Physics*, **2018**, 51, 194002	3	17
158	Optimisation of NbN thin films on GaAs substrates for in-situ single photon detection in structured photonic devices. *Journal of Applied Physics*, **2013**, 113, 143507	2.5	17
157	Epitaxial growth and magnetic properties of Sr2CrReO6 thin films. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 2001-2004	2.8	17
156	Physics and performance of high temperature superconducting vortex flow transistors. *Applied Superconductivity*, **1995**, 3, 443-462		17
155	Fabrication and electrical transport properties of epitaxial Nd1.85Ce0.15CuO4−y films. *Physica C: Superconductivity and Its Applications*, **1995**, 244, 389-399	1.3	17
154	Quasiparticle diffusion and loss processes in superconducting tunnel junctions. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1996**, 370, 88-90	1.2	17

153	Spatially resolved electrical characterization of a YBa2Cu3O7□flux transformer. *Applied Physics Letters*, **1993**, 62, 2871-2873	3.4	17
152	High Tcsuperconductors in the system Bi?Pb?Sr?Ca?Cu?O. *Journal of the Less Common Metals*, **1989**, 151, 55-61		16
151	Experimental survey of chaos in the Josephson effect. *Journal of Low Temperature Physics*, **1986**, 64, 235-268	1.3	16
150	A superconducting 180□hybrid ring coupler for circuit quantum electrodynamics. *Applied Physics Letters*, **2010**, 97, 222508	3.4	15
149	Ferroelectric and magnetic properties of Ho2CuTiO6 double perovskite. *Journal of Magnetism and Magnetic Materials*, **2006**, 303, e332-e334	2.8	15
148	Nd/sub 1.85/Ce/sub 0.15/CuO/sub 4-y/ bicrystal grain boundary Josephson junctions. *IEEE Transactions on Applied Superconductivity*, **1999**, 9, 3409-3412	1.8	15
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