

Claus M Schneider

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L-index

#	Paper	IF	Citations
4 ¹⁵	Curie temperature of ultrathin films of fcc-cobalt epitaxially grown on atomically flat Cu(100) surfaces. <i>Physical Review Letters</i> , 1990 , 64, 1059-1062	7.4	433
4 ¹⁴	Magnetic x-ray dichroism in core-level photoemission from ferromagnets. <i>Physical Review Letters</i> , 1990 , 65, 492-495	7.4	290
4 ¹³	Ultrafast nanomagnetic toggle switching of vortex cores. <i>Physical Review Letters</i> , 2007 , 98, 117201	7.4	257
4 ¹²	Ultrafast magnetization enhancement in metallic multilayers driven by superdiffusive spin current. <i>Nature Communications</i> , 2012 , 3, 1037	17.4	249
4 ¹¹	Synthesis and properties of filled carbon nanotubes. <i>Diamond and Related Materials</i> , 2003 , 12, 790-793	3.5	199
4 ¹⁰	Probing the timescale of the exchange interaction in a ferromagnetic alloy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4792-7	11.5	186
4 ⁰⁹	Effects of surface magnetism on optical second harmonic generation. <i>Physical Review Letters</i> , 1991 , 67, 2878-2881	7.4	185
4 ⁰⁸	Controlling the competition between optically induced ultrafast spin-flip scattering and spin transport in magnetic multilayers. <i>Physical Review Letters</i> , 2013 , 110, 197201	7.4	184
4 ⁰⁷	Influence of the growth conditions on the magnetic properties of fcc cobalt films: from monolayers to superlattices. <i>Journal of Magnetism and Magnetic Materials</i> , 1991 , 93, 1-9	2.8	174
4 ⁰⁶	Ultrafast demagnetization dynamics at the M edges of magnetic elements observed using a tabletop high-harmonic soft x-ray source. <i>Physical Review Letters</i> , 2009 , 103, 257402	7.4	172
4 ⁰⁵	Exchange explosions: Magnetization dynamics during vortex-antivortex annihilation. <i>Physical Review Letters</i> , 2006 , 97, 177202	7.4	156
4 ⁰⁴	Probing bulk electronic structure with hard X-ray angle-resolved photoemission. <i>Nature Materials</i> , 2011 , 10, 759-64	27	129
4 ⁰³	Investigating surface magnetism by means of photoexcitation electron emission microscopy. <i>Reports on Progress in Physics</i> , 2002 , 65, 1785-1839	14.4	122
4 ⁰²	Spin-coherent transport in ferromagnetically contacted carbon nanotubes. <i>Applied Physics Letters</i> , 2002 , 80, 3144-3146	3.4	117
4 ⁰¹	Polarization dependence of the 2p-core-level photoemission spectra of Fe. <i>Physical Review B</i> , 1991 , 44, 4406-4409	3.3	116
4 ⁰⁰	Recent progress in photoemission microscopy with emphasis on chemical and magnetic sensitivity. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1997 , 84, 171-188	1.7	102
399	Magnetic properties of aligned Fe-filled carbon nanotubes. <i>Journal of Applied Physics</i> , 2003 , 93, 7894-7896		101

398	Surfactant-mediated modification of the magnetic properties of Co/Cu(111) thin films and superlattices. <i>Physical Review Letters</i> , 1996 , 76, 4428-4431	7.4	100
397	Bulk mixed ion electron conduction in amorphous gallium oxide causes memristive behaviour. <i>Nature Communications</i> , 2014 , 5, 3473	17.4	99
396	Bulk electronic structure of the dilute magnetic semiconductor Ga(1-x)Mn(x)As through hard X-ray angle-resolved photoemission. <i>Nature Materials</i> , 2012 , 11, 957-62	27	98
395	Functional electronic inversion layers at ferroelectric domain walls. <i>Nature Materials</i> , 2017 , 16, 622-627	27	92
394	Subnanometre-wide electron channels protected by topology. <i>Nature Physics</i> , 2015 , 11, 338-343	16.2	92
393	Current-induced magnetic vortex core switching in a Permalloy nanodisk. <i>Applied Physics Letters</i> , 2007 , 91, 112501	3.4	91
392	Thickness and temperature dependence of magnetic anisotropies in ultrathin fcc Co(001) structures. <i>Physical Review B</i> , 1993 , 47, 8748-8753	3.3	87
391	Room-temperature high-frequency transport of dirac fermions in epitaxially grown Sb ₂ Te ₃ - and Bi ₂ Te ₃ -based topological insulators. <i>Physical Review Letters</i> , 2014 , 113, 096601	7.4	83
390	Aqueous solution/metal interfaces investigated in operando by photoelectron spectroscopy. <i>Faraday Discussions</i> , 2015 , 180, 35-53	3.6	83
389	Spectromicroscopic insights for rational design of redox-based memristive devices. <i>Nature Communications</i> , 2015 , 6, 8610	17.4	82
388	Magnetic domain structure in ultrathin cobalt films. <i>Journal of Magnetism and Magnetic Materials</i> , 1990 , 86, L137-L142	2.8	81
387	Magnetic order-disorder transition mediated by a temperature-driven structural transformation. <i>Physical Review Letters</i> , 1996 , 76, 4620-4623	7.4	80
386	Band structure evolution during the ultrafast ferromagnetic-paramagnetic phase transition in cobalt. <i>Science Advances</i> , 2017 , 3, e1602094	14.3	76
385	MBE growth optimization of topological insulator Bi ₂ Te ₃ films. <i>Journal of Crystal Growth</i> , 2011 , 324, 115-118	1.6	75
384	Epitaxial growth of cobalt films on Cu(100): a crystallographic LEED determination. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 2055-2062	1.8	73
383	Ultrafast Demagnetization Measurements Using Extreme Ultraviolet Light: Comparison of Electronic and Magnetic Contributions. <i>Physical Review X</i> , 2012 , 2,	9.1	71
382	Realization of a vertical topological p-n junction in epitaxial Sb ₂ Te ₃ /Bi ₂ Te ₃ heterostructures. <i>Nature Communications</i> , 2015 , 6, 8816	17.4	70
381	Giant Magnetoresistance in Co-Cu/Cu Multilayers Prepared by Various Electrodeposition Control Modes. <i>Journal of the Electrochemical Society</i> , 2003 , 150, C507	3.9	69

380	Quantifying redox-induced Schottky barrier variations in memristive devices via in operando spectromicroscopy with graphene electrodes. <i>Nature Communications</i> , 2016 , 7, 12398	17.4	68
379	Structural transformation and spin-reorientation transition in epitaxial Fe/Cu ₃ Au(100) ultrathin films. <i>Physical Review B</i> , 1997 , 55, 5886-5897	3.3	67
378	X-ray absorption spectra at the Ru and Mn L _{2,3} edges and long-range ferromagnetism in SrRu _{1-x} MnxO ₃ solid solutions (0. <i>Physical Review B</i> , 2002 , 66,	3.3	67
377	Temperature-driven nucleation of ferromagnetic domains in FeRh thin films. <i>Applied Physics Letters</i> , 2012 , 100, 262401	3.4	64
376	Thermal conductivity in strain symmetrized Si/Ge superlattices on Si(111). <i>Applied Physics Letters</i> , 2003 , 83, 4184-4186	3.4	64
375	Strong x-ray magnetic circular dichroism in a "forbidden geometry" observed via photoemission. <i>Physical Review B</i> , 1992 , 45, 5041-5044	3.3	64
374	Spin- and angle-resolved photoemission from single crystals and epitaxial films using circularly polarized synchrotron radiation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1990 , 51, 263-274	1.7	63
373	. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 15-57	2	60
372	Magnetic dichroism in valence band photoemission. <i>Reports on Progress in Physics</i> , 2001 , 64, 147-204	14.4	60
371	Experimental evidence of an oscillatory magnetic coupling in Co / Cu / Co epitaxial layers. <i>Journal of Magnetism and Magnetic Materials</i> , 1991 , 102, 25-29	2.8	60
370	Observation of magnetic circular dichroism in uv photoemission from ferromagnetic fcc cobalt films. <i>Physical Review B</i> , 1991 , 44, 12066-12069	3.3	60
369	Accessing 4f-states in single-molecule spintronics. <i>Nature Communications</i> , 2013 , 4, 2425	17.4	59
368	Perpendicular anisotropy and spin reorientation in epitaxial Fe/Cu ₃ Au(100) thin films. <i>Physical Review B</i> , 1995 , 51, 12563-12578	3.3	59
367	Scaling Potential of Local Redox Processes in Memristive SrTiO ₃ Thin-Film Devices. <i>Proceedings of the IEEE</i> , 2012 , 100, 1979-1990	14.3	57
366	Verification of redox-processes as switching and retention failure mechanisms in Nb:SrTiO ₃ /metal devices. <i>Nanoscale</i> , 2016 , 8, 13967-75	7.7	57
365	Observation of boron diffusion in an annealed Ta/CoFeB/MgO magnetic tunnel junction with standing-wave hard x-ray photoemission. <i>Applied Physics Letters</i> , 2012 , 101, 202402	3.4	56
364	Electronic structure changes across the metamagnetic transition in FeRh via hard X-ray photoemission. <i>Physical Review Letters</i> , 2012 , 108, 257208	7.4	56
363	Subfilamentary Networks Cause Cycle-to-Cycle Variability in Memristive Devices. <i>ACS Nano</i> , 2017 , 11, 6921-6929	16.7	55

362	Photoluminescence studies on structural defects and room temperature ferromagnetism in Ni and Ni _{1-x} doped ZnO nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 108, 023906	2.5	55
361	Ferromagnetic resonance study of thin film antidot arrays: Experiment and micromagnetic simulations. <i>Physical Review B</i> , 2007 , 75,	3.3	55
360	Exploring the XPS limit in soft and hard x-ray angle-resolved photoemission using a temperature-dependent one-step theory. <i>Physical Review B</i> , 2013 , 88,	3.3	54
359	Faraday rotation spectra at shallow core levels: 3p edges of Fe, Co, and Ni. <i>New Journal of Physics</i> , 2006 , 8, 254-254	2.9	53
358	Angle-resolved study of magnetic dichroism in photoemission using linearly polarized light. <i>Physical Review B</i> , 1995 , 51, 609-612	3.3	52
357	Photon drag effect in (Bi _{1-x} Sb _x) ₂ Te ₃ three-dimensional topological insulators. <i>Physical Review B</i> , 2016 , 93,	3.3	50
356	Magnetization dynamics in spin torque nano-oscillators: Vortex state versus uniform state. <i>Physical Review B</i> , 2009 , 80,	3.3	50
355	Time-resolved photoemission electron microscopy of magnetic field and magnetisation changes. <i>Applied Physics A: Materials Science and Processing</i> , 2003 , 76, 863-868	2.6	50
354	Direct Observation of the Band Gap Transition in Atomically Thin ReS ₂ . <i>Nano Letters</i> , 2017 , 17, 5187-5192	11.5	49
353	Impact of interface orientation on magnetic coupling in highly ordered systems: A case study of the low-indexed Fe ₃ O ₄ /NiO interfaces. <i>Physical Review B</i> , 2008 , 78,	3.3	49
352	Composition-driven spin-reorientation transition in ferromagnetic alloy films. <i>Physical Review B</i> , 1998 , 57, R3209-R3212	3.3	49
351	Magnetic spectromicroscopy from Fe(100). <i>Applied Physics Letters</i> , 1993 , 63, 2432-2434	3.4	48
350	Formation and Movement of Cationic Defects During Forming and Resistive Switching in SrTiO ₃ Thin Film Devices. <i>Advanced Functional Materials</i> , 2015 , 25, 6360-6368	15.6	47
349	Magnetic-circular-dichroism study of the valence states of perpendicularly magnetized Ni(001) films. <i>Physical Review B</i> , 1996 , 53, 11621-11630	3.3	47
348	BiTe ₃ is a dual topological insulator. <i>Nature Communications</i> , 2017 , 8, 14976	17.4	46
347	Robust surface electronic properties of topological insulators: Bi ₂ Te ₃ films grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2011 , 98, 222503	3.4	46
346	Detection of filament formation in forming-free resistive switching SrTiO ₃ devices with Ti top electrodes. <i>Applied Physics Letters</i> , 2012 , 100, 223503	3.4	46
345	Band mapping in higher-energy x-ray photoemission: Phonon effects and comparison to one-step theory. <i>Physical Review B</i> , 2008 , 78,	3.3	45

344	Origin of the planar Hall effect in nanocrystalline Co ₆₀ Fe ₂₀ B ₂₀ . <i>Physical Review Letters</i> , 2011 , 107, 086603	4.3	44
343	Insights into Nanoscale Electrochemical Reduction in a Memristive Oxide: the Role of Three-Phase Boundaries. <i>Advanced Functional Materials</i> , 2014 , 24, 4466-4472	15.6	43
342	Expanding the view into complex material systems: From micro-ARPES to nanoscale HAXPES. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2012 , 185, 330-339	1.7	43
341	Thickness dependence of linear and quadratic magneto-optical Kerr effects in ultrathin Fe(001) films. <i>Physical Review B</i> , 2009 , 79,	3.3	43
340	Incoherent magnetization rotation observed in subnanosecond time-resolving x-ray photoemission electron microscopy. <i>Applied Physics Letters</i> , 2004 , 85, 2562-2564	3.4	43
339	Spin-dependent transport in multiwalled carbon nanotubes. <i>Journal of Applied Physics</i> , 2002 , 91, 7026	2.5	43
338	Quantitative characterization of nanoscale polycrystalline magnets with electron magnetic circular dichroism. <i>Nature Communications</i> , 2014 , 5, 3138	17.4	40
337	Well-aligned Co-filled carbon nanotubes: preparation and magnetic properties. <i>Applied Surface Science</i> , 2004 , 238, 355-359	6.7	40
336	Mössbauer transmission and back scattered conversion electron study of Fe nanowires encapsulated in multiwalled carbon nanotubes. <i>Journal of Applied Physics</i> , 2004 , 96, 7514-7518	2.5	40
335	Self-trapping of magnetic oscillation modes in Landau flux-closure structures. <i>Physical Review Letters</i> , 2005 , 95, 207201	7.4	40
334	Element-Selective Magnetic Imaging in Exchange-Coupled Systems by Magnetic Photoemission Microscopy. <i>Surface Review and Letters</i> , 1998 , 05, 1241-1248	1.1	40
333	Electronic structure, surface morphology, and topologically protected surface states of Sb ₂ Te ₃ thin films grown on Si(111). <i>Journal of Applied Physics</i> , 2013 , 113, 053706	2.5	39
332	Ultrafast dynamics of a magnetic antivortex: Micromagnetic simulations. <i>Physical Review B</i> , 2008 , 77,	3.3	39
331	Direct Mapping of Band Positions in Doped and Undoped Hematite during Photoelectrochemical Water Splitting. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5579-5586	6.4	38
330	A New Nanospectroscopy Tool with Synchrotron Radiation: NanoESCA@Elettra. <i>E-Journal of Surface Science and Nanotechnology</i> , 2011 , 9, 395-399	0.7	38
329	The new dedicated HAXPES beamline P22 at PETRAIII 2019 ,		37
328	Full field electron spectromicroscopy applied to ferroelectric materials. <i>Journal of Applied Physics</i> , 2013 , 113, 187217	2.5	37
327	Chemical stability of the magnetic oxide EuO directly on silicon observed by hard x-ray photoemission spectroscopy. <i>Physical Review B</i> , 2011 , 84,	3.3	37

326	Annealing effects and degradation mechanism of NiFe/Cu GMR multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 247, 62-69	2.8	37
325	Magnetic anisotropy in epitaxial fcc Co/Cu (1 1 13). <i>Journal of Applied Physics</i> , 1993 , 73, 6186-6188	2.5	37
324	Magnetic measurements with atomic-plane resolution. <i>Nature Communications</i> , 2016 , 7, 12672	17.4	36
323	Extrinsic screening of ferroelectric domains in Pb(Zr _{0.48} Ti _{0.52})O ₃ . <i>Applied Physics Letters</i> , 2010 , 97, 222903	3.0	36
322	Temperature dependence of giant magnetoresistance and magnetic properties in electrodeposited Co _{1-x} Cu _x multilayers: The role of superparamagnetic regions. <i>Physical Review B</i> , 2006 , 73,	3.3	35
321	Spin-torque-induced dynamics at fine-split frequencies in nano-oscillators with two stacked vortices. <i>Nature Communications</i> , 2015 , 6, 6409	17.4	34
320	Spin- and angle-resolved photoelectron spectroscopy from solid surfaces with circularly polarized light. <i>Critical Reviews in Solid State and Materials Sciences</i> , 1995 , 20, 179-283	10.1	34
319	Crystalline symmetry effects in X-ray magnetic circular dichroism in angle-resolved core-level photoemission. <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 1239-1256	1.8	34
318	Spin-polarization limit in Bi ₂ Te ₃ Dirac cone studied by angle- and spin-resolved photoemission experiments and ab initio calculations. <i>Physical Review B</i> , 2013 , 87,	3.3	33
317	Tuning the Dirac point to the Fermi level in the ternary topological insulator (Bi _{1-x} Sbx) ₂ Te ₃ . <i>Applied Physics Letters</i> , 2015 , 107, 251603	3.4	33
316	Spin-resolved electronic bands of FCT cobalt. <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 4349-4355	1.8	33
315	Topotactic Phase Transition Driving Memristive Behavior. <i>Advanced Materials</i> , 2019 , 31, e1903391	24	32
314	Ultrafast element-specific magnetization dynamics of complex magnetic materials on a table-top. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013 , 189, 164-170	1.7	32
313	Theory of relativistic photoemission for correlated magnetic alloys: LSDA+DMFT study of the electronic structure of Ni _x Pd _{1-x} . <i>Physical Review B</i> , 2010 , 82,	3.3	32
312	Spin wave resonance excitation in ferromagnetic films using planar waveguide structures. <i>Journal of Applied Physics</i> , 2010 , 108, 023907	2.5	32
311	Band mapping in x-ray photoelectron spectroscopy: An experimental and theoretical study of W(110) with 1.25 keV excitation. <i>Physical Review B</i> , 2011 , 84,	3.3	32
310	Magnetoresistance in microwave synthesized Ag ₂ +Be (0.0. <i>Physical Review B</i> , 2001 , 63,	3.3	32
309	Parallel nanolithography in carbon layers with conductive imprint stamps. <i>Applied Physics Letters</i> , 2000 , 76, 786-788	3.4	32

308	Effect of Néel coupling on magnetic tunnel junctions. <i>Journal of Applied Physics</i> , 2001 , 89, 8169-8174	2.5	32
307	Multi-orbital charge transfer at highly oriented organic/metal interfaces. <i>Nature Communications</i> , 2017 , 8, 335	17.4	31
306	Momentum-resolved electronic structure at a buried interface from soft X-ray standing-wave angle-resolved photoemission. <i>Europhysics Letters</i> , 2013 , 104, 17004	1.6	31
305	Determination of layer-resolved composition, magnetization, and electronic structure of an Fe/MgO tunnel junction by standing-wave core and valence photoemission. <i>Physical Review B</i> , 2011 , 84,	3.3	31
304	Growth, characterization, and transport properties of ternary (Bi Sb)Te topological insulator layers. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 495501	1.8	30
303	Thermally induced modification of GMR in Co/Cu multilayers: correlation among structural, transport, and magnetic properties. <i>Journal Physics D: Applied Physics</i> , 2003 , 36, 564-572	3	30
302	Calculations of three-dimensional magnetic normal modes in mesoscopic permalloy prisms with vortex structure. <i>Physical Review B</i> , 2007 , 76,	3.3	29
301	Annealing of Ni ₈₀ Fe ₂₀ /Cu and Co/Cu multilayers. <i>Journal of Applied Physics</i> , 2000 , 87, 4852-4854	2.5	29
300	Surface spin waves of fcc cobalt films on Cu(100): High-resolution spectra and comparison to theory. <i>Physical Review B</i> , 2012 , 86,	3.3	28
299	Band offsets in complex-oxide thin films and heterostructures of SrTiO ₃ /LaNiO ₃ and SrTiO ₃ /GdTiO ₃ by soft and hard X-ray photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2013 , 113, 143704	2.5	28
298	Asymmetric spin-transfer torque in single-crystalline Fe/Ag/Fe nanopillars. <i>Physical Review B</i> , 2007 , 76,	3.3	28
297	Strain relief of heteroepitaxial bcc-Fe(001) films. <i>Physical Review Letters</i> , 2004 , 93, 236101	7.4	28
296	Magnetic dichroism in photoemission as a spin-resolving probe for electronic correlations. <i>Physical Review B</i> , 1996 , 54, R15618-R15621	3.3	28
295	Quasi 2D electronic states with high spin-polarization in centrosymmetric MoS ₂ bulk crystals. <i>Scientific Reports</i> , 2016 , 6, 26197	4.9	28
294	Interfacial Electrochemistry in Liquids Probed with Photoemission Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18138-18141	16.4	27
293	Symmetry-dependent alignment of the electron-spin polarization vector due to electronic band hybridization observed in photoemission from Ag(100). <i>Physical Review B</i> , 1989 , 39, 1031-1035	3.3	27
292	Electronic structure of EuO spin filter tunnel contacts directly on silicon. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011 , 5, 441-443	2.5	26
291	Buried antiferromagnetic films investigated by x-ray magneto-optical reflection spectroscopy. <i>Physical Review B</i> , 2003 , 67,	3.3	26

290	Reversal mechanism and suppression of training in an exchange-coupled system. <i>Physical Review B</i> , 2007 , 76,	3.3	25
289	Towards molecular spintronics: magnetotransport and magnetism in carbon nanotube-based systems. <i>Diamond and Related Materials</i> , 2004 , 13, 215-220	3.5	25
288	Bulk sensitive hard x-ray photoemission electron microscopy. <i>Review of Scientific Instruments</i> , 2014 , 85, 113704	1.7	24
287	Ultrathin magnetic oxide EuO films on Si(001) using SiO _x passivation controlled by hard x-ray photoemission spectroscopy. <i>Journal of Applied Physics</i> , 2013 , 113, 17C505	2.5	24
286	Injection locking of the gyrotropic vortex motion in a nanopillar. <i>Applied Physics Letters</i> , 2010 , 97, 142503	3.4	24
285	Stress development in sputtered NiO thin films during heat treatment. <i>Journal of Applied Physics</i> , 2003 , 94, 4853	2.5	24
284	Avalanche-Discharge-Induced Electrical Forming in Tantalum Oxide-Based Metal/Insulator/Metal Structures. <i>Advanced Functional Materials</i> , 2015 , 25, 7154-7162	15.6	23
283	Magnetic dichroism in UV photoemission at off-normal emission: Study of the valence bands. <i>Physical Review B</i> , 1997 , 55, 2594-2599	3.3	23
282	Energetic, spatial, and momentum character of the electronic structure at a buried interface: The two-dimensional electron gas between two metal oxides. <i>Physical Review B</i> , 2016 , 93,	3.3	22
281	Imaging properties of hemispherical electrostatic energy analyzers for high resolution momentum microscopy. <i>Ultramicroscopy</i> , 2019 , 206, 112815	3.1	22
280	Electrical resistance of individual defects at a topological insulator surface. <i>Nature Communications</i> , 2017 , 8, 15704	17.4	22
279	Imaging and characterization of conducting ferroelectric domain walls by photoemission electron microscopy. <i>Applied Physics Letters</i> , 2014 , 104, 232904	3.4	22
278	Probing buried layers by photoelectron spectromicroscopy with hard x-ray excitation. <i>Applied Physics Letters</i> , 2012 , 100, 223106	3.4	22
277	X-ray magneto-optical polarization spectroscopy: an analysis from the visible region to the x-ray regime. <i>Applied Optics</i> , 2013 , 52, 4294-310	1.7	22
276	Anomalies in the thermomechanical behavior of Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ ceramic oxygen conductive membranes at intermediate temperatures. <i>Applied Physics Letters</i> , 2009 , 95, 051901	3.4	22
275	Magnetization dynamics induced by ultrashort optical pulses in Fe/Cr thin films. <i>Physical Review B</i> , 2007 , 75,	3.3	22
274	Spin-resolved photoelectron spectroscopy using femtosecond extreme ultraviolet light pulses from high-order harmonic generation. <i>Review of Scientific Instruments</i> , 2016 , 87, 043903	1.7	22
273	Spin-transfer torque induced vortex dynamics in Fe/Ag/Fe nanopillars. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 384002	3	21

272	Standing-wave excited soft x-ray photoemission microscopy: Application to Co microdot magnetic arrays. <i>Applied Physics Letters</i> , 2010 , 97, 062503	3.4	21
271	Depth-resolved soft x-ray photoelectron emission microscopy in nanostructures via standing-wave excited photoemission. <i>Applied Physics Letters</i> , 2008 , 93, 243116	3.4	21
270	Structure and giant magnetoresistance behaviour of Co-Cu/Cu multilayers electrodeposited under various deposition conditions. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 2000-12	1.3	21
269	Observation of spin filtering in magnetic insulator contacts to silicon. <i>Applied Physics Letters</i> , 2011 , 98, 142503	3.4	20
268	An electron energy loss spectrometer designed for studies of electronic energy losses and spin waves in the large momentum regime. <i>Review of Scientific Instruments</i> , 2011 , 82, 123904	1.7	20
267	Influence of MgO overlayers on the electronic states of Fe(001) thin films grown on GaAs(001). <i>Physical Review B</i> , 2008 , 77,	3.3	20
266	Interfacial magnetization in exchange-coupled Fe/Cr structures investigated by second harmonic generation. <i>Physical Review B</i> , 2007 , 75,	3.3	20
265	FMR investigations of half-metallic ferromagnets. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006 , 203, 1503-1512	1.6	20
264	Interdiffusion in NiFe/Cu/NiFe trilayers: Possible failure mechanism for magnetoelectronic devices. <i>Applied Physics Letters</i> , 2000 , 77, 358-360	3.4	20
263	Polyoxometalate-stabilized, water dispersible FePt magnetic nanoparticles. <i>Nanoscale</i> , 2013 , 5, 2511-9	7.7	19
262	FERRUM: A New Highly Efficient Spin Detector for Electron Spectroscopy. <i>E-Journal of Surface Science and Nanotechnology</i> , 2011 , 9, 340-343	0.7	19
261	Synthesis and characterization of aligned Fe-filled carbon nanotubes on silicon substrates. <i>Journal of Materials Science: Materials in Electronics</i> , 2003 , 14, 789-791	2.1	19
260	Direct evidence for double-exchange coupling in Ru- substituted La _{0.7} Pb _{0.3} Mn _{1-x} Ru _x O ₃ , 0.0 ≤ x ≤ 0.4. <i>Europhysics Letters</i> , 2002 , 59, 451-457	1.6	19
259	Spin-Polarized Photoemission from f.c.c.-Cobalt above the Curie Temperature: Evidence of Short-Range Magnetic Order. <i>Europhysics Letters</i> , 1991 , 16, 689-694	1.6	19
258	In-Gap States and Band-Like Transport in Memristive Devices. <i>Nano Letters</i> , 2019 , 19, 54-60	11.5	19
257	On-surface nickel porphyrin mimics the reactive center of an enzyme cofactor. <i>Chemical Communications</i> , 2018 , 54, 13423-13426	5.8	19
256	Standing spin waves in ultrathin magnetic films: a method to test for layer-dependent exchange coupling. <i>Physical Review Letters</i> , 2014 , 112, 127202	7.4	18
255	Polarization sensitive surface band structure of doped BaTiO ₃ (001). <i>Physical Review Letters</i> , 2013 , 111, 127602	7.4	18

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