

Claus M Schneider

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.

415
papers

10,848
citations

55
h-index

85
g-index

449
ext. papers

11,762
ext. citations

4.4
avg, IF

5.84
L-index

#	Paper	IF	Citations
415	Thermal Stability of Nanoscale Co/Cu Multilayers. <i>International Journal of Materials Research</i> , 2022 , 92, 810-819	0.5	1
414	Emergent phenomena at oxide interfaces studied with standing-wave photoelectron spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022 , 40, 020801	2.9	
413	A High-Density Polarized 3He Gas Jet Target for Laser Plasma Applications. <i>Instruments</i> , 2022 , 6, 18	1.2	0
412	Ferromagnetic domain wall manipulation using optically induced thermal gradients. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 169441	2.8	
411	Room-Temperature On-Spin-Switching and Tuning in a Porphyrin-Based Multifunctional Interface. <i>Small</i> , 2021 , 17, e2104779	11	1
410	Generation of terahertz transients from Co ₂ Fe _{0.4} Mn _{0.6} Si-Heusler-alloy/normal-metal nanobilayers excited by femtosecond optical pulses. <i>Physical Review Research</i> , 2021 , 3,	3.9	2
409	Orbital Complexity in Intrinsic Magnetic Topological Insulators MnBi ₄ Te ₇ and MnBi ₆ Te ₁₀ . <i>Physical Review Letters</i> , 2021 , 126, 176403	7.4	10
408	Nanoscale Surface Decomposition of Pr _{0.5} Ba _{0.5} CoO ₃ Perovskites Turns Performance Descriptors Ambiguous. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 10043-10050	3.8	0
407	Bulk electronic structure of lanthanum hexaboride (LaB ₆) by hard x-ray angle-resolved photoelectron spectroscopy. <i>Physical Review Materials</i> , 2021 , 5,	3.2	2
406	Magnetization relaxation dynamics in [Co/Pt] ₃ multilayers on pico- and nanosecond timescales. <i>Physical Review Research</i> , 2021 , 3,	3.9	3
405	Ferrous to Ferric Transition in Fe-Phthalocyanine Driven by NO Exposure. <i>Chemistry - A European Journal</i> , 2021 , 27, 3526-3535	4.8	6
404	Reversible redox reactions in metal-supported porphyrin: the role of spin and oxidation state. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12559-12565	7.1	0
403	Cyclophane with eclipsed pyrene units enables construction of spin interfaces with chemical accuracy. <i>Chemical Science</i> , 2021 , 12, 8430-8437	9.4	1
402	Molecular Level Synthesis of InFeO and InFeO/FeO Nanocomposites. <i>Inorganic Chemistry</i> , 2021 , 60, 3719-3728	5.3	0
401	Quantum spin mixing in Dirac materials. <i>Communications Physics</i> , 2021 , 4,	5.4	1
400	Extremely low-energy ARPES of quantum well states in cubic-GaN/AlN and GaAs/AlGaAs heterostructures. <i>Scientific Reports</i> , 2021 , 11, 19081	4.9	1
399	Near total reflection x-ray photoelectron spectroscopy: quantifying chemistry at solid/liquid and solid/solid interfaces. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 464002	3	4

398	Insight into intramolecular chemical structure modifications by on-surface reaction using photoemission tomography. <i>Chemical Communications</i> , 2021 , 57, 3050-3053	5.8	1
397	Spin-polarized quantized electronic structure of Fe(001) with symmetry breaking due to the magnetization direction. <i>Physical Review B</i> , 2021 , 103,	3.3	3
396	Fusing pyrene and ferrocene into a chiral, redox-active triangle. <i>Chemical Communications</i> , 2021 , 57, 6660-6663	5.8	0
395	Superconducting NbN and CaFe _{0.88} Co _{0.12} AsF studied by point-contact spectroscopy with a nanoparticle Au array. <i>Physical Review B</i> , 2020 , 101,	3.3	3
394	Spintronics: Surface and Interface Aspects 2020 , 187-241		2
393	Molecular anchoring stabilizes low valence Ni(I)TPP on copper against thermally induced chemical changes. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 8876-8886	7.1	7
392	Tunable coupling by means of oxygen intercalation and removal at the strongly interacting graphene/cobalt interface. <i>Carbon</i> , 2020 , 163, 341-347	10.4	6
391	Vibronic Fingerprints of the Nickel Oxidation States in Surface-Supported Porphyrin Arrays. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 6297-6303	3.8	3
390	Establishing structure-sensitivity of ceria reducibility: real-time observations of surface-hydrogen interactions. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5501-5507	13	6
389	Two-dimensional electron systems in perovskite oxide heterostructures: Role of the polarity-induced substitutional defects. <i>Physical Review Materials</i> , 2020 , 4,	3.2	5
388	From Photoemission Microscopy to an All-in-One Photoemission Experiment. <i>E-Journal of Surface Science and Nanotechnology</i> , 2020 , 18, 48-56	0.7	6
387	On space charge effects in laboratory-based photoemission electron microscopy using compact gas discharge extreme ultraviolet sources. <i>New Journal of Physics</i> , 2020 , 22, 103019	2.9	
386	Memory of Professor Charles (Chuck) S. Fadley (1941.9-2019.8). <i>E-Journal of Surface Science and Nanotechnology</i> , 2020 , 18, 235-238	0.7	
385	Evaluation of molecular orbital symmetry via oxygen-induced charge transfer quenching at a metal-organic interface. <i>Applied Surface Science</i> , 2020 , 504, 144343	6.7	9
384	Photoemission electron microscopy of magneto-ionic effects in La _{0.7} Sr _{0.3} MnO ₃ . <i>APL Materials</i> , 2020 , 8, 111102	5.7	3
383	Direct measurement of anisotropic conductivity in a nanolaminated (Mn _{0.5} Cr _{0.5}) ₂ GaC thin film. <i>Applied Physics Letters</i> , 2019 , 115, 094101	3.4	3
382	Magnetic Field-Assisted Chemical Vapor Deposition of Iron Oxide Thin Films: Influence of Field-Matter Interactions on Phase Composition and Morphology. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6253-6259	6.4	11
381	Electrostatic potential mapping at ferroelectric domain walls by low-temperature photoemission electron microscopy. <i>Applied Physics Letters</i> , 2019 , 115, 122903	3.4	6

380	Tunable Magnetic Phases at FeO/SrTiO Oxide Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7576-7583	9.5	8
379	Role of carbon dissolution and recondensation in graphene epitaxial alignment on cobalt. <i>Carbon</i> , 2019 , 152, 489-496	10.4	8
378	Magnetically and optically tunable terahertz radiation from Ta/NiFe/Pt spintronic nanolayers generated by femtosecond laser pulses. <i>Applied Physics Letters</i> , 2019 , 114, 212405	3.4	17
377	Epitaxial and contamination-free Co(0001) electrodes on insulating substrates for molecular spintronic devices. <i>Thin Solid Films</i> , 2019 , 680, 67-74	2.2	1
376	The new dedicated HAXPES beamline P22 at PETRAIII 2019 ,		37
375	Kink far below the Fermi level reveals new electron-magnon scattering channel in Fe. <i>Nature Communications</i> , 2019 , 10, 505	17.4	10
374	Magnon dispersion in Ni/Co multilayers grown on Cu(100). <i>Physical Review B</i> , 2019 , 99,	3.3	3
373	Topotactic Phase Transition Driving Memristive Behavior. <i>Advanced Materials</i> , 2019 , 31, e1903391	24	32
372	Imaging properties of hemispherical electrostatic energy analyzers for high resolution momentum microscopy. <i>Ultramicroscopy</i> , 2019 , 206, 112815	3.1	22
371	Laser-induced acceleration of Helium ions from unpolarized gas jets. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 115012	2	4
370	Chemical control of the electrical surface properties in donor-doped transition metal oxides. <i>Physical Review Materials</i> , 2019 , 3,	3.2	11
369	Reconfigurable lateral anionic heterostructures in oxide thin films via lithographically defined topochemistry. <i>Physical Review Materials</i> , 2019 , 3,	3.2	5
368	Fast and easy fabrication methodology of Fresnel zone plates for the extreme ultraviolet and soft x-ray regions. <i>Applied Optics</i> , 2019 , 58, 1057-1063	1.7	2
367	Single-pass STEM-EMCD on a zone axis using a patterned aperture: progress in experimental and data treatment methods. <i>Scientific Reports</i> , 2019 , 9, 18170	4.9	4
366	A scanning reflection X-ray microscope for magnetic imaging in the EUV range. <i>Journal of Synchrotron Radiation</i> , 2019 , 26, 2040-2049	2.4	
365	High-temperature 2D Fermi surface of SrTiO ₃ studied by energy-filtered PEEM. <i>Surface and Interface Analysis</i> , 2019 , 51, 7-11	1.5	2
364	Current-induced domain wall oscillations in a nanowire imaged by time-resolved photoemission electron microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 476, 538-545	2.8	3
363	In-Gap States and Band-Like Transport in Memristive Devices. <i>Nano Letters</i> , 2019 , 19, 54-60	11.5	19

362	Element-selective investigation of femtosecond spin dynamics in NiPd magnetic alloys using extreme ultraviolet radiation. <i>Physical Review B</i> , 2018 , 97,	3.3	7
361	On the growth mechanisms of polar (100) surfaces of ceria on copper (100). <i>Surface Science</i> , 2018 , 671, 1-5	1.8	1
360	Valence change detection in memristive oxide based heterostructure cells by hard X-ray photoelectron emission spectroscopy. <i>APL Materials</i> , 2018 , 6, 046106	5.7	11
359	Localized segregation of gold in ultrathin Fe films on Au(001). <i>Physical Review B</i> , 2018 , 97,	3.3	1
358	Electronic structure of the dilute magnetic semiconductor Ga _{1-x} MnxP from hard x-ray photoelectron spectroscopy and angle-resolved photoemission. <i>Physical Review B</i> , 2018 , 97,	3.3	10
357	Quest for magnons in ultrathin nickel films. <i>Physical Review B</i> , 2018 , 98,	3.3	4
356	Element- and momentum-resolved electronic structure of the dilute magnetic semiconductor manganese doped gallium arsenide. <i>Nature Communications</i> , 2018 , 9, 3306	17.4	13
355	Graphene windows enable photoelectron microscopies of liquid samples.. <i>Microscopy and Microanalysis</i> , 2018 , 24, 68-71	0.5	1
354	New Developments in Spin-Dependent Photoemission. <i>E-Journal of Surface Science and Nanotechnology</i> , 2018 , 16, 177-185	0.7	
353	Ultra-High Vacuum Deposition of Pyrene Molecules on Metal Surfaces. <i>Physica Status Solidi (B): Basic Research</i> , 2018 , 255, 1800235	1.3	5
352	On-surface nickel porphyrin mimics the reactive center of an enzyme cofactor. <i>Chemical Communications</i> , 2018 , 54, 13423-13426	5.8	19
351	In situ disentangling surface state transport channels of a topological insulator thin film by gating. <i>Npj Quantum Materials</i> , 2018 , 3,	5	12
350	In Aqua Electrochemistry Probed by XPEEM: Experimental Setup, Examples, and Challenges. <i>Topics in Catalysis</i> , 2018 , 61, 2195-2206	2.3	13
349	Optically induced magnetization reversal in [Co/Pt]N multilayers: Role of domain wall dynamics. <i>Physical Review B</i> , 2018 , 98,	3.3	10
348	Nonlocal electron correlations in an itinerant ferromagnet. <i>Nature Communications</i> , 2018 , 9, 3727	17.4	12
347	Size limits of magnetic-domain engineering in continuous in-plane exchange-bias prototype films. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 2968-2979	3	8
346	Depth-resolved charge reconstruction at the LaNiO ₃ /CaMnO ₃ interface. <i>Physical Review B</i> , 2018 , 98,	3.3	8
345	Quantum interference effects in molecular spin hybrids. <i>Physical Review B</i> , 2017 , 95,	3.3	8

344	BiTe is a dual topological insulator. <i>Nature Communications</i> , 2017 , 8, 14976	17.4	46
343	Exploiting micro-scale structural and chemical observations in real time for understanding chemical conversion: LEEM/PEEM studies over CeO-Cu(111). <i>Ultramicroscopy</i> , 2017 , 183, 84-88	3.1	3
342	Oxygen partial pressure dependence of surface space charge formation in donor-doped SrTiO ₃ . <i>APL Materials</i> , 2017 , 5, 056106	5.7	16
341	Band structure evolution during the ultrafast ferromagnetic-paramagnetic phase transition in cobalt. <i>Science Advances</i> , 2017 , 3, e1602094	14.3	76
340	Functional electronic inversion layers at ferroelectric domain walls. <i>Nature Materials</i> , 2017 , 16, 622-627	27	92
339	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
338	Evidence for in-gap surface states on the single phase SmB(001) surface. <i>Scientific Reports</i> , 2017 , 7, 12837	7.9	11
337	Nanoscale x-ray investigation of magnetic metallofullerene peapods. <i>Nanotechnology</i> , 2017 , 28, 435703	3.4	3
336	Multi-orbital charge transfer at highly oriented organic/metal interfaces. <i>Nature Communications</i> , 2017 , 8, 335	17.4	31
335	Direct Observation of the Band Gap Transition in Atomically Thin ReS ₂ . <i>Nano Letters</i> , 2017 , 17, 5187-5192	11.5	49
334	Electrical resistance of individual defects at a topological insulator surface. <i>Nature Communications</i> , 2017 , 8, 15704	17.4	22
333	Interfacial Electrochemistry in Liquids Probed with Photoemission Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18138-18141	16.4	27
332	Room temperature 2D electron gas at the (001)-SrTiO ₃ surface. <i>Applied Physics Letters</i> , 2017 , 111, 18160	3.4	10
331	Magnetic subunits within a single molecule-surface hybrid. <i>New Journal of Physics</i> , 2017 , 19, 053016	2.9	9
330	Subfilamentary Networks Cause Cycle-to-Cycle Variability in Memristive Devices. <i>ACS Nano</i> , 2017 , 11, 6921-6929	16.7	55
329	Optical control of magnetization dynamics in GdBeCo films with different compositions. <i>Applied Physics Express</i> , 2017 , 10, 103002	2.4	1
328	Impact of Tunnel-Barrier Strength on Magnetoresistance in Carbon Nanotubes. <i>Physical Review Applied</i> , 2016 , 5,	4.3	5
327	Photon drag effect in (Bi _{1-x} Sbx) ₂ Te ₃ three-dimensional topological insulators. <i>Physical Review B</i> , 2016 , 93,	3.3	50

326	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
325	Quantum transport in carbon nanotubes covalently functionalized with magnetic molecules. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2424-2427	1.3	3
324	Lifetime and mean free path of spin waves in ultrathin cobalt films. <i>Physical Review B</i> , 2016 , 94,	3.3	10
323	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
322	Magnetic measurements with atomic-plane resolution. <i>Nature Communications</i> , 2016 , 7, 12672	17.4	36
321	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
320	Employing soft x-ray resonant magnetic scattering to study domain sizes and anisotropy in Co/Pd multilayers. <i>Physical Review B</i> , 2016 , 94,	3.3	5
319	Quantitative spectromicroscopy from inelastically scattered photoelectrons in the hard X-ray range. <i>Applied Physics Letters</i> , 2016 , 109, 011602	3.4	15
318	Spin-Hybrids: A Single-Molecule Approach to Spintronics. <i>E-Journal of Surface Science and Nanotechnology</i> , 2016 , 14, 17-22	0.7	11
317	High resolution electron energy loss spectroscopy of spin waves in ultra-thin cobalt films. <i>Surface and Interface Analysis</i> , 2016 , 48, 1104-1107	1.5	7
316	Schottky barrier measurements on individual GaAs nanowires by X-ray photoemission microscopy. <i>Applied Surface Science</i> , 2016 , 386, 72-77	6.7	
315	Functional materials for information and energy technology: Insights by photoelectron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016 , 208, 24-32	1.7	8
314	Atomic plane resolution EMCD measurement by STEM-EELS under 3-beam diffraction condition 2016 , 835-836		
313	Spatial coherence determination from the Fourier analysis of a resonant soft X-ray magnetic speckle pattern. <i>Optics Express</i> , 2016 , 24, 23162-23176	3.3	4
312	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
311	Quasi 2D electronic states with high spin-polarization in centrosymmetric MoS2 bulk crystals. <i>Scientific Reports</i> , 2016 , 6, 26197	4.9	28
310	Compact extreme ultraviolet source for laboratory-based photoemission spectromicroscopy. <i>Applied Physics Letters</i> , 2016 , 108, 234101	3.4	7
309	Interface-mediated ferroelectric patterning and Mn valency in nano-structured PbTiO3/La0.7Sr0.3MnO3. <i>Journal of Applied Physics</i> , 2016 , 120, 095304	2.5	

308	Effects of spin excitons on the surface states of SmB ₆ : A photoemission study. <i>Physical Review B</i> , 2016 , 94,	3.3	15
307	Accurate determination of the valence band edge in hard x-ray photoemission spectra using GW theory. <i>Journal of Applied Physics</i> , 2016 , 119, 165703	2.5	4
306	Magnetic surface domain imaging of uncapped epitaxial FeRh(001) thin films across the temperature-induced metamagnetic transition. <i>AIP Advances</i> , 2016 , 6, 015211	1.5	9
305	Surface analysis of the Heusler Ni _{49.7} Mn _{29.1} Ga _{21.2} Alloy: The composition, phase transition, and twinned microstructure of martensite. <i>Journal of Applied Physics</i> , 2016 , 120, 113905	2.5	2
304	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
303	Femtosecond-laser-induced modifications in Co/Pt multilayers studied with tabletop resonant magnetic scattering. <i>Europhysics Letters</i> , 2015 , 109, 17001	1.6	3
302	Charging effect reduction in electron beam lithography and observation of single nanopillars on highly insulating substrates. <i>Microelectronic Engineering</i> , 2015 , 140, 33-37	2.5	5
301	Spectroscopic XPEEM of highly conductive Si-doped GaN wires. <i>Ultramicroscopy</i> , 2015 , 159 Pt 3, 476-81	3.1	3
300	Reversible temperature-driven domain transition in bistable Fe magnetic nanostrips grown on Ru(0001). <i>Physical Review B</i> , 2015 , 92,	3.3	4
299	Adsorption phenomena of cubane-type tetranuclear Ni(II) complexes with neutral, thioether-functionalized ligands on Au(111). <i>Surface Science</i> , 2015 , 641, 210-215	1.8	11
298	Subnanometre-wide electron channels protected by topology. <i>Nature Physics</i> , 2015 , 11, 338-343	16.2	92
297	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
296	Tuning the orbital ordering in La _{0.7} Sr _{0.3} MnO ₃ thin films in all-oxide hybrids. <i>Europhysics Letters</i> , 2015 , 109, 67007	1.6	2
295	Spectromicroscopic insights for rational design of redox-based memristive devices. <i>Nature Communications</i> , 2015 , 6, 8610	17.4	82
294	Microscopic analysis of the composition driven spin-reorientation transition in Ni(x)Pd(1-x)/Cu(001). <i>Ultramicroscopy</i> , 2015 , 159 Pt 3, 503-7	3.1	1
293	Element-Specific Probes of Magnetism. <i>Handbook of Surface Science</i> , 2015 , 43-112		
292	Spin waves in ultrathin hexagonal cobalt films on W(110), Cu(111), and Au(111) surfaces. <i>Physical Review B</i> , 2015 , 92,	3.3	18
291	Tuning the Dirac point to the Fermi level in the ternary topological insulator (Bi _{1-x} Sb _x) ₂ Te ₃ . <i>Applied Physics Letters</i> , 2015 , 107, 251603	3.4	33

290	Observation by resonant angle-resolved photoemission of a critical thickness for 2-dimensional electron gas formation in SrTiO ₃ embedded in GdTiO ₃ . <i>Applied Physics Letters</i> , 2015 , 107, 231602	3.4	8
289	Controlled covalent binding of antiferromagnetic tetramanganese complexes to carbon nanotubes. <i>RSC Advances</i> , 2015 , 5, 84119-84124	3.7	2
288	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
287	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
286	Aqueous solution/metal interfaces investigated in operando by photoelectron spectroscopy. <i>Faraday Discussions</i> , 2015 , 180, 35-53	3.6	83
285	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
284	FMR Investigations of Two-dimensional Periodic Arrays of Disc-shaped Co Particles at Different Temperatures. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015 , 28, 3587-3591	1.5	1
283	Ultrafast, Element-Specific Magnetization Dynamics of Multi-constituent Magnetic Materials by Use of High-Harmonic Generation. <i>Springer Proceedings in Physics</i> , 2015 , 300-302	0.2	1
282	Element Selective Investigation of Spin Dynamics in Magnetic Multilayers. <i>Springer Proceedings in Physics</i> , 2015 , 307-309	0.2	
281	Conductive Yttria-stabilized zirconia as an epitaxial template for oxide heterostructures. <i>Journal of Applied Physics</i> , 2014 , 115, 17C111	2.5	6
280	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
279	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
278	Quantitative characterization of nanoscale polycrystalline magnets with electron magnetic circular dichroism. <i>Nature Communications</i> , 2014 , 5, 3138	17.4	40
277	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
276	Band alignment at memristive metal-oxide interfaces investigated by hard x-ray photoemission spectroscopy. <i>Physical Review B</i> , 2014 , 90,	3.3	8
275	Photoemission electron microscopy and scanning electron microscopy of Magnetospirillum magnetotacticum's magnetosome chains. <i>Analytical Chemistry</i> , 2014 , 86, 9590-4	7.8	2
274	Bulk mixed ion electron conduction in amorphous gallium oxide causes memristive behaviour. <i>Nature Communications</i> , 2014 , 5, 3473	17.4	99
273	Exploring interlayer Dirac cone coupling in commensurately rotated few-layer graphene on SiC(000-1). <i>Surface and Interface Analysis</i> , 2014 , 46, 1268-1272	1.5	3

272	Influence of the crystal structure of thin Co films on X-ray magnetic linear dichroism—Comparison of ab initio theory and reflectometry experiments. <i>Journal of Applied Physics</i> , 2014 , 115, 17E132	2.5	2
271	STRUCTURAL INTEGRITY OF SINGLE BIS(PHTHALOCYANINATO)-NEODYMIUM(III) MOLECULES ON METAL SURFACES WITH DIFFERENT REACTIVITY. <i>Spin</i> , 2014 , 04, 1440007	1.3	9
270	Bulk sensitive hard x-ray photoemission electron microscopy. <i>Review of Scientific Instruments</i> , 2014 , 85, 113704	1.7	24
269	Imaging and characterization of conducting ferroelectric domain walls by photoemission electron microscopy. <i>Applied Physics Letters</i> , 2014 , 104, 232904	3.4	22
268	Wide-Range Structural and Chemical Stability of the Magnetic Oxide NiFe ₂ O ₄ Grown by O ₂ -Assisted Pulsed Laser Deposition. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	7
267	Magnetocrystalline anisotropy in x-ray magnetic linear dichroism at the 3p edges of crystalline Fe thin films. <i>Physical Review B</i> , 2014 , 89,	3.3	5
266	Intensities of surface spin wave excitations in inelastic electron scattering. <i>Physical Review B</i> , 2014 , 89,	3.3	4
265	Generation of circularly polarized radiation from a compact plasma-based extreme ultraviolet light source for tabletop X-ray magnetic circular dichroism studies. <i>Review of Scientific Instruments</i> , 2014 , 85, 103110	1.7	13
264	Detection of the Magnetocrystalline Anisotropy in X-Ray Magnetic Linear Dichroism Reflection Spectra Across the Fe 3p and 2p Edges. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	1
263	Epitaxial Cu(001) films grown on a Cr/Ag/Fe/GaAs(001) buffer system. <i>Thin Solid Films</i> , 2014 , 562, 250-253	2	1
262	Generation of Ultrashort and Coherent Synchrotron Radiation Pulses at DELTA. <i>Synchrotron Radiation News</i> , 2013 , 26, 25-29	0.6	12
261	Full field electron spectromicroscopy applied to ferroelectric materials. <i>Journal of Applied Physics</i> , 2013 , 113, 187217	2.5	37
260	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
259	Accessing 4f-states in single-molecule spintronics. <i>Nature Communications</i> , 2013 , 4, 2425	17.4	59
258	Polarization sensitive surface band structure of doped BaTiO ₃ (001). <i>Physical Review Letters</i> , 2013 , 111, 127602	7.4	18
257	Heteroepitaxy and ferromagnetism of EuO/MgO (001): A route towards combined spin- and symmetry-filter tunneling. <i>Physical Review B</i> , 2013 , 88,	3.3	11
256	From Magnetodynamics to Spin Dynamics in Magnetic Heterosystems. <i>Springer Series in Materials Science</i> , 2013 , 1-23	0.9	
255	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

254	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
253	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
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