

Gerrit van der Laan

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575
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L-index

#	Paper	IF	Citations
575	X-ray circular dichroism as a probe of orbital magnetization. <i>Physical Review Letters</i> , 1992 , 68, 1943-1946	7.4	2142
574	Kinetics and Selectivity of the Fischer-Tropsch Synthesis: A Literature Review. <i>Catalysis Reviews - Science and Engineering</i> , 1999 , 41, 255-318	12.6	899
573	Satellite structure in photoelectron and Auger spectra of copper dihalides. <i>Physical Review B</i> , 1981 , 23, 4369-4380	3.3	741
572	3d x-ray-absorption lines and the 3d ⁹ 4f ⁿ⁺¹ multiplets of the lanthanides. <i>Physical Review B</i> , 1985 , 32, 5107-5118	3.3	646
571	Branching ratio in x-ray absorption spectroscopy. <i>Physical Review B</i> , 1988 , 38, 3158-3171	3.3	455
570	The 2p absorption spectra of 3d transition metal compounds in tetrahedral and octahedral symmetry. <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 4189-4204	1.8	401
569	Strong magnetic x-ray dichroism in 2p absorption spectra of 3d transition-metal ions. <i>Physical Review B</i> , 1991 , 43, 13401-13411	3.3	378
568	Experimental proof of magnetic x-ray dichroism. <i>Physical Review B</i> , 1986 , 34, 6529-6531	3.3	368
567	Nature of the 5f states in actinide metals. <i>Reviews of Modern Physics</i> , 2009 , 81, 235-298	40.5	366
566	Strong magnetic dichroism predicted in the M _{4,5} x-ray absorption spectra of magnetic rare-earth materials. <i>Physical Review Letters</i> , 1985 , 55, 2086-2088	7.4	329
565	Comparison of x-ray absorption with x-ray photoemission of nickel dihalides and NiO. <i>Physical Review B</i> , 1986 , 33, 4253-4263	3.3	303
564	Microscopic origin of magnetocrystalline anisotropy in transition metal thin films. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 3239-3253	1.8	215
563	X-ray magnetic circular dichroism – a versatile tool to study magnetism. <i>Coordination Chemistry Reviews</i> , 2014 , 277-278, 95-129	23.2	197
562	Corporate Social and Financial Performance: An Extended Stakeholder Theory, and Empirical Test with Accounting Measures. <i>Journal of Business Ethics</i> , 2008 , 79, 299-310	4.3	161
561	Calculations of magnetic x-ray dichroism in the 3d absorption spectra of rare-earth compounds. <i>Physical Review B</i> , 1988 , 37, 2086-2093	3.3	161
560	Chiral magnetic domain structures in ultrathin FePd films. <i>Science</i> , 1999 , 284, 2166-8	33.3	160
559	XAS and XMCD evidence for species-dependent partitioning of arsenic during microbial reduction of ferrihydrite to magnetite. <i>Environmental Science & Technology</i> , 2006 , 40, 7745-50	10.3	150

558	Intrinsic kinetics of the gas-solid Fischer-Tropsch and water gas shift reactions over a precipitated iron catalyst. <i>Applied Catalysis A: General</i> , 2000 , 193, 39-53	5.1	150
557	Local probe for spin-orbit interaction. <i>Physical Review Letters</i> , 1988 , 60, 1977-1980	7.4	144
556	Spin polarization and magnetic dichroism in photoemission from core and valence states in localized magnetic systems. <i>Physical Review B</i> , 1991 , 44, 12424-12439	3.3	143
555	X-ray-absorption sum rules in jj-coupled operators and ground-state moments of actinide ions. <i>Physical Review B</i> , 1996 , 53, 14458-14469	3.3	140
554	Cation site occupancy in spinel ferrites studied by X-ray magnetic circular dichroism: developing a method for mineralogists. <i>European Journal of Mineralogy</i> , 2002 , 14, 1095-1102	2.2	138
553	Electronic Structure and Enhanced Charge-Density Wave Order of Monolayer VSe. <i>Nano Letters</i> , 2018 , 18, 4493-4499	11.5	136
552	Polaronic satellites in x-ray-absorption spectra. <i>Physical Review B</i> , 1990 , 41, 12366-12368	3.3	136
551	Applicability of the spin-orbit sum rule for the actinide 5f states. <i>Physical Review Letters</i> , 2004 , 93, 097401	7.4	130
550	Angular-resolved linear and circular dichroism in core-level photoemission of metallic systems. <i>Physical Review B</i> , 1995 , 51, 240-249	3.3	124
549	Spin-mixed ground state of Fe phthalocyanine and the temperature-dependent branching ratio in X-ray absorption spectroscopy. <i>Chemical Physics Letters</i> , 1988 , 149, 295-299	2.5	121
548	Controlled cobalt doping of magnetosomes in vivo. <i>Nature Nanotechnology</i> , 2008 , 3, 158-62	28.7	119
547	Linear relation between x-ray absorption branching ratio and valence-band spin-orbit expectation value. <i>Physical Review A</i> , 1988 , 38, 1943-1947	2.6	118
546	Oxidation state variations in copper minerals studied with Cu 2p X-ray absorption spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , 1992 , 53, 1185-1190	3.9	116
545	Spin and orbital magnetization in self-assembled Co clusters on Au(111). <i>Physical Review B</i> , 1999 , 59, R701-R704	3.3	115
544	Multiplet structure in the L _{2,3} x-ray-absorption spectra: A fingerprint for high- and low-spin Ni ²⁺ compounds. <i>Physical Review B</i> , 1988 , 37, 6587-6589	3.3	115
543	Use of L-edge X-ray absorption spectroscopy to characterize multiple valence states of 3d transition metals; a new probe for mineralogical and geochemical research. <i>Physics and Chemistry of Minerals</i> , 1993 , 20, 111-119	1.6	113
542	Copper oxidation state in chalcopyrite: Mixed Cu d ₉ and d ₁₀ characteristics. <i>Geochimica Et Cosmochimica Acta</i> , 2006 , 70, 4635-4642	5.5	111
541	Element-Specific Magnetic Anisotropy Determined by Transverse Magnetic Circular X-ray Dichroism. <i>Science</i> , 1997 , 277, 213-215	33.3	109

540	Magnetic Linear X-Ray Dichroism as a Probe of the Magnetocrystalline Anisotropy. <i>Physical Review Letters</i> , 1999 , 82, 640-643	7.4	100
539	Determination of the valence of Pr, Gd, and Ho in YBa ₂ Cu ₃ O ₇ by x-ray absorption spectroscopy. <i>Physical Review B</i> , 1990 , 41, 8955-8963	3.3	98
538	Iron Biochemistry is Correlated with Amyloid Plaque Morphology in an Established Mouse Model of Alzheimer's Disease. <i>Cell Chemical Biology</i> , 2017 , 24, 1205-1215.e3	8.2	95
537	Spin polarization and magnetic dichroism in photoemission from core and valence states in localized magnetic systems. III. Angular distributions. <i>Physical Review B</i> , 1994 , 49, 9613-9631	3.3	95
536	Microbial engineering of nanoheterostructures: biological synthesis of a magnetically recoverable palladium nanocatalyst. <i>ACS Nano</i> , 2010 , 4, 2577-84	16.7	94
535	Harnessing the extracellular bacterial production of nanoscale cobalt ferrite with exploitable magnetic properties. <i>ACS Nano</i> , 2009 , 3, 1922-8	16.7	92
534	Ferromagnetic moment and antiferromagnetic coupling in (Ga,Mn)As thin films. <i>Physical Review B</i> , 2005 , 71,	3.3	92
533	Surface orbital magnetic moment of ferromagnetic nickel studied by magnetic circular dichroism in Ni3p core level photoemission. <i>Physical Review Letters</i> , 1992 , 69, 3827-3830	7.4	92
532	Spin polarization and magnetic dichroism in photoemission from core and valence states in localized magnetic systems. II. Emission from open shells. <i>Physical Review B</i> , 1993 , 48, 210-223	3.3	91
531	Hydrocarbon Selectivity Model for the Gas-Solid Fischer-Tropsch Synthesis on Precipitated Iron Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 1277-1290	3.9	88
530	Biosynthesis and Characterization of Copper Nanoparticles Using <i>Shewanella oneidensis</i> : Application for Click Chemistry. <i>Small</i> , 2018 , 14, 1703145	11	87
529	Control of nanoparticle size, reactivity and magnetic properties during the bioproduction of magnetite by <i>Geobacter sulfurreducens</i> . <i>Nanotechnology</i> , 2011 , 22, 455709	3.4	87
528	Anisotropic x-ray magnetic linear dichroism at the Fe L _{2,3} edges in Fe ₃ O ₄ . <i>Physical Review B</i> , 2006 , 74,	3.3	86
527	Rapid magnetosome formation shown by real-time x-ray magnetic circular dichroism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 19524-8	11.5	85
526	Angle-dependent Ni ²⁺ X-ray magnetic linear dichroism: interfacial coupling revisited. <i>Physical Review Letters</i> , 2007 , 98, 197201	7.4	85
525	Unraveling orbital ordering in La _{0.5} Sr _{1.5} MnO ₄ . <i>Physical Review Letters</i> , 2004 , 92, 056403	7.4	84
524	Ferrous iron formation following the co-aggregation of ferric iron and the Alzheimer's disease peptide β -amyloid (1-42). <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20140165	4.1	81
523	Surface effects in Mn L _{3,2} x-ray absorption spectra from (Ga,Mn)As. <i>Applied Physics Letters</i> , 2004 , 84, 4065-4067	3.4	80

522	Influence of crystal field on anisotropic x-ray magnetic linear dichroism at the Co ²⁺ L _{2,3} edges. <i>Physical Review B</i> , 2008 , 77,	3-3	79
521	Angular momentum sum rules for x-ray absorption. <i>Physical Review B</i> , 1998 , 57, 112-115	3-3	79
520	Electron-correlation-induced magnetic order of ultrathin Mn films. <i>Physical Review B</i> , 1997 , 56, 8156-8163	3-3	78
519	Heusler alloy/semiconductor hybrid structures. <i>Current Opinion in Solid State and Materials Science</i> , 2006 , 10, 93-107	12	78
518	Correlation of spin and orbital anisotropies with chemical order in Fe _{0.5} Pd _{0.5} alloy films using magnetic circular x-ray dichroism. <i>Physical Review B</i> , 1999 , 59, 1105-1112	3-3	78
517	Epitaxial growth and magnetic properties of half-metallic Fe ₃ O ₄ on GaAs(100). <i>Physical Review B</i> , 2004 , 70,	3-3	77
516	Origin of spin polarization and magnetic dichroism in core-level photoemission. <i>Physical Review Letters</i> , 1991 , 67, 3306-3309	7-4	77
515	Core-hole effects in the x-ray-absorption spectra of transition-metal silicides. <i>Physical Review B</i> , 1990 , 41, 11899-11910	3-3	77
514	Sum rules for magnetic dichroism in rare earth 4f photoemission. <i>Physical Review Letters</i> , 1993 , 70, 2499-2502	7-4	76
513	Competition between delocalization and spin-orbit splitting in the actinide 5f states. <i>Physical Review B</i> , 2005 , 72,	3-3	72
512	Biosynthesis of Zinc Substituted Magnetite Nanoparticles with Enhanced Magnetic Properties. <i>Advanced Functional Materials</i> , 2014 , 24, 2518-2529	15.6	71
511	Study of the structural, electric and magnetic properties of Mn-doped Bi ₂ Te ₃ single crystals. <i>New Journal of Physics</i> , 2013 , 15, 103016	2.9	70
510	Enhancing magnetic ordering in Cr-doped Bi ₂ Se ₃ using high-TC ferrimagnetic insulator. <i>Nano Letters</i> , 2015 , 15, 764-9	11.5	69
509	Spin pumping in ferromagnet-topological insulator-ferromagnet heterostructures. <i>Scientific Reports</i> , 2015 , 5, 7907	4.9	68
508	Magnetic circular x-ray dichroism in transverse geometry: Importance of noncollinear ground state moments. <i>Physical Review B</i> , 1996 , 54, R760-R763	3-3	67
507	Oxidation and aging in U and Pu probed by spin-orbit sum rule analysis: Indications for covalent metal-oxide bonds. <i>Physical Review B</i> , 2006 , 73,	3-3	66
506	Resonant photoemission at the Ni 2p core level as a probe of electron correlation effects in nickel. <i>Physical Review B</i> , 1992 , 46, 9336-9340	3-3	66
505	Real-Space Observation of Skyrmionium in a Ferromagnet-Magnetic Topological Insulator Heterostructure. <i>Nano Letters</i> , 2018 , 18, 1057-1063	11.5	65

504	Multidomain Skyrmion Lattice State in Cu ₂ OSeO ₃ . <i>Nano Letters</i> , 2016 , 16, 3285-91	11.5	65
503	Direct observation of a bulklike spin moment at the Fe/GaAs(100)-4x6 interface. <i>Physical Review Letters</i> , 2004 , 93, 037206	7.4	64
502	Magnetostrictive thin films for microwave spintronics. <i>Scientific Reports</i> , 2013 , 3, 2220	4.9	63
501	Rampant changes in 5f _{5/2} and 5f _{7/2} filling across the light and middle actinide metals: Electron energy-loss spectroscopy, many-electron atomic spectral calculations, and spin-orbit sum rule. <i>Physical Review B</i> , 2007 , 76,	3.3	63
500	Anisotropic spin-orbit coupling and magnetocrystalline anisotropy in vicinal co films. <i>Physical Review Letters</i> , 2001 , 87, 067201	7.4	63
499	Electronic correlations in Ni 2p and 3p magnetic X-ray dichroism and X-ray photoemission of ferromagnetic nickel. <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 4181-4188	1.8	63
498	Urban yellow fever epidemic in western Nigeria, 1987. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1989 , 83, 401-6	2	63
497	Optimizing Cr(VI) and Tc(VII) remediation through nanoscale biomineral engineering. <i>Environmental Science & Technology</i> , 2010 , 44, 2577-84	10.3	62
496	Antiferromagnetic coupling of Mn adsorbates to Fe(100). <i>Physical Review B</i> , 1997 , 56, 5461-5467	3.3	62
495	Sign dependence of the x-ray magnetic linear dichroism on the antiferromagnetic spin axis in LaFeO ₃ thin films. <i>Physical Review B</i> , 2006 , 73,	3.3	62
494	Photoelectron diffraction in magnetic linear dichroism. <i>Physical Review Letters</i> , 1995 , 75, 2883-2886	7.4	62
493	Resonant photoemission in f-electron systems: Pu and Gd. <i>Physical Review B</i> , 2003 , 68,	3.3	61
492	Today's wastes, tomorrow's materials for environmental protection. <i>Hydrometallurgy</i> , 2010 , 104, 483-487		60
491	Stoichiometry of Fe ₃ O ₄ (111) ultrathin films on Pt(111). <i>Physical Review B</i> , 2003 , 67,	3.3	60
490	Parkinsonism, pyramidal signs, polyneuropathy, and cognitive decline after long-term occupational solvent exposure. <i>Journal of Neurology</i> , 1999 , 246, 198-206	5.5	60
489	X-ray absorption near-edge spectra of transition metal disulfides FeS ₂ (pyrite and marcasite), CoS ₂ , NiS ₂ and CuS ₂ , and their isomorphs FeAsS and CoAsS. <i>Physics and Chemistry of Minerals</i> , 1995 , 22, 311-317	1.6	60
488	Multicomponent reaction engineering model for Fe-catalyzed Fischer-Tropsch synthesis in commercial scale slurry bubble column reactors. <i>Chemical Engineering Science</i> , 1999 , 54, 5013-5019	4.4	58
487	Magnetic Transition in Monolayer VSe Interface Hybridization. <i>ACS Nano</i> , 2019 , 13, 8997-9004	16.7	57

486	Direct determination of cation site occupancies in natural ferrite spinels by L2,3 X-ray absorption spectroscopy and X-ray magnetic circular dichroism. <i>American Mineralogist</i> , 2006 , 91, 880-893	2.9	57
485	Magnetic X-Ray Dichroism Study of the Nearest-Neighbor Spin-Spin Correlation Function and Long-Range Magnetic Order Parameter in Antiferromagnetic NiO. <i>Europhysics Letters</i> , 1995 , 32, 259-265 ^{1.6}	1.6	57
484	Emergence of strong exchange interaction in the actinide series: the driving force for magnetic stabilization of curium. <i>Physical Review Letters</i> , 2007 , 98, 236402	7.4	56
483	Relation between the angular dependence of magnetic x-ray dichroism and anisotropic ground-state moments. <i>Physical Review B</i> , 1998 , 57, 5250-5258	3.3	56
482	Magnetic ordering in Cr-doped Bi ₂ Se ₃ thin films. <i>Europhysics Letters</i> , 2014 , 107, 57009	1.6	55
481	Fe site occupancy in magnetite-ulvöspinel solid solutions: A new approach using X-ray magnetic circular dichroism. <i>American Mineralogist</i> , 2010 , 95, 425-439	2.9	55
480	Orbital polarization in NiFe ₂ O ₄ measured by Ni _L β x-ray magnetic circular dichroism. <i>Physical Review B</i> , 1999 , 59, 4314-4321	3.3	55
479	An investigation of uranium M _{4,5} edge magnetic X-ray circular dichroism in US. <i>Journal of Physics Condensed Matter</i> , 1995 , 7, 9325-9341	1.8	55
478	Probing the site occupancies of Co-, Ni-, and Mn-substituted biogenic magnetite using XAS and XMCD. <i>American Mineralogist</i> , 2008 , 93, 1119-1132	2.9	53
477	Magnetic circular dichroism and orbital momentum coupling in 4d photoemission from Gd(0001). <i>Physical Review B</i> , 1996 , 53, R5998-R6001	3.3	53
476	Magnetic circularly polarized 2p resonant photoemission of nickel. <i>Physical Review B</i> , 1993 , 48, 13378-13382	3.3	53
475	Magnetic dichroism in the x-ray-absorption branching ratio. <i>Physical Review B</i> , 1990 , 42, 6670-6674	3.3	53
474	Long-lived magnetism from solidification-driven convection on the pallasite parent body. <i>Nature</i> , 2015 , 517, 472-5	50.4	52
473	Magnetic Cr doping of Bi ₂ Se ₃ : Evidence for divalent Cr from x-ray spectroscopy. <i>Physical Review B</i> , 2014 , 90,	3.3	50
472	Line shape of 2p magnetic-x-ray-dichroism spectra in 3d metallic systems. <i>Physical Review B</i> , 1997 , 55, 8086-8089	3.3	50
471	Biomineralization: linking the fossil record to the production of high value functional materials. <i>Geobiology</i> , 2008 , 6, 285-97	4.3	50
470	Controlled cobalt doping in biogenic magnetite nanoparticles. <i>Journal of the Royal Society Interface</i> , 2013 , 10, 20130134	4.1	49
469	Enhanced spin-orbit torque by engineering Pt resistivity in Pt/Co/AlO _x structures. <i>Physical Review B</i> , 2017 , 96,	3.3	49

468	Interfacial structure and half-metallic ferromagnetism in Co ₂ MnSi-based magnetic tunnel junctions. <i>Physical Review B</i> , 2006 , 74,	3.3	49
467	Hitchhiker's Guide to Multiplet Calculations 2006 , 143-199		49
466	Sum Rules and Fundamental Spectra of Magnetic X-Ray Dichroism in Crystal Field Symmetry. <i>Journal of the Physical Society of Japan</i> , 1994 , 63, 2393-2400	1.5	49
465	Magnetic circular dichroism in 4d- π f resonant photoemission and photoabsorption of Gd metal. <i>Physical Review B</i> , 1997 , 55, 2672-2675	3.3	48
464	Core hole polarization in x-ray absorption studied by magnetic circular dichroism in 2p _{3/2} resonant photoemission. <i>Physical Review Letters</i> , 1995 , 74, 2371-2374	7.4	48
463	Reciprocal space tomography of 3D skyrmion lattice order in a chiral magnet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 6386-6391	11.5	47
462	Cation site occupancy of biogenic magnetite compared to polygenic ferrite spinels determined by X-ray magnetic circular dichroism. <i>European Journal of Mineralogy</i> , 2007 , 19, 707-716	2.2	47
461	Multiplet structure in high-resolution and spin-resolved x-ray photoemission from gadolinium. <i>Physical Review B</i> , 1996 , 54, 17191-17198	3.3	47
460	Valence-band structure of TiO ₂ along the Gamma - Delta -X and Gamma - Sigma -M directions. <i>Physical Review B</i> , 1994 , 49, 7170-7177	3.3	47
459	Atomic-Scale Magnetism of Cr-Doped Bi ₂ Se ₃ Thin Film Topological Insulators. <i>ACS Nano</i> , 2015 , 9, 10237-10247	13.7	46
458	Evidence of local moment formation in Co-based Heusler alloys. <i>Physical Review B</i> , 2008 , 78,	3.3	46
457	Magnetic properties of stoichiometric and nonstoichiometric ultrathin Fe ₃ O ₄ (111) films on Al ₂ O ₃ (0001). <i>Journal of Applied Physics</i> , 2004 , 96, 1165-1169	2.5	46
456	Core hole polarization in resonant photoemission. <i>Journal of Physics Condensed Matter</i> , 1995 , 7, 9947-9988	11.8	46
455	Manipulation of skyrmion motion by magnetic field gradients. <i>Nature Communications</i> , 2018 , 9, 2115	17.4	46
454	Observation of magnetic vortex pairs at room temperature in a planar FeO/Co heterostructure. <i>Nature Materials</i> , 2018 , 17, 581-585	27	45
453	Electronic and magnetic structure of thin Ni films on Co/Cu(001). <i>Physical Review B</i> , 1999 , 60, 12852-12860	9.0	45
452	Electron correlation effects in the valence band photoemission spectra of copper dichloride. <i>Solid State Communications</i> , 1982 , 42, 165-168	1.6	45
451	Magnetic imaging by x-ray holography using extended references. <i>Optics Express</i> , 2011 , 19, 16223-8	3.3	44

450	Remediation of Cr(VI) by biogenic magnetic nanoparticles: An x-ray magnetic circular dichroism study. <i>Applied Physics Letters</i> , 2009 , 95, 163701	3.4	44
449	Influence of perpendicular magnetic anisotropy on closure domains studied with x-ray resonant magnetic scattering. <i>Physical Review B</i> , 2000 , 62, 5779-5785	3.3	44
448	Low-temperature magnetization of (Ga,Mn)As semiconductors. <i>Physical Review B</i> , 2006 , 73,	3.3	43
447	M2,3absorption spectroscopy of 3d transition-metal compounds. <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 7443-7454	1.8	43
446	Direct Observation of Twisted Surface skyrmions in Bulk Crystals. <i>Physical Review Letters</i> , 2018 , 120, 227202	7.4	43
445	Time-resolved synchrotron powder X-ray diffraction study of magnetite formation by the Fe(III)-reducing bacterium <i>Geobacter sulfurreducens</i> . <i>American Mineralogist</i> , 2008 , 93, 540-547	2.9	42
444	5f Resonant photoemission from plutonium. <i>Surface Science</i> , 2002 , 499, L141-L147	1.8	42
443	Magnetic circular dichroism in core-level photoemission of localized magnetic systems. <i>Physical Review Letters</i> , 1991 , 66, 2527-2530	7.4	42
442	Anatomy of Skyrmionic Textures in Magnetic Multilayers. <i>Advanced Materials</i> , 2019 , 31, e1807683	24	41
441	Uranium 5d π electric-multipole transitions probed by nonresonant inelastic x-ray scattering. <i>Physical Review B</i> , 2010 , 81,	3.3	41
440	Study of Gd-doped Bi ₂ Te ₃ thin films: Molecular beam epitaxy growth and magnetic properties. <i>Journal of Applied Physics</i> , 2014 , 115, 023904	2.5	40
439	2p resonant photoemission study of TiO ₂ s. <i>Physical Review B</i> , 1997 , 55, 9520-9523	3.3	40
438	Induced V and reduced Co magnetic moments at the V/Co interface. <i>Physical Review B</i> , 2003 , 68,	3.3	40
437	Oxidation state and electronic configuration determination of copper in tetrahedrite group minerals by L-edge X-ray absorption spectroscopy. <i>Physics and Chemistry of Minerals</i> , 1993 , 20, 395-401	1.6	40
436	Evidence of redox-active iron formation following aggregation of ferrihydrite and the Alzheimer's disease peptide β amyloid. <i>Inorganic Chemistry</i> , 2014 , 53, 2803-9	5.1	39
435	Systematic theoretical study of the spin and orbital magnetic moments of 4d and 5d interfaces with Fe films. <i>Physical Review B</i> , 2003 , 67,	3.3	39
434	Soft-x-ray resonant magnetic diffuse scattering from strongly coupled Cu/Co multilayers. <i>Physical Review B</i> , 2000 , 61, R3792-R3795	3.3	39
433	Magnetic Circular Dichroism in Resonant Raman Scattering in the Perpendicular Geometry at the L edge of 3d Transition Metal Systems. <i>Physical Review Letters</i> , 1999 , 82, 1566-1569	7.4	39

432	The undulator beamline at the SRS Daresbury. <i>Review of Scientific Instruments</i> , 1992 , 63, 1313-1316	1.7	39
431	Monochromator and beamline for soft x-ray studies in the photon energy range 500 eV–8 keV. <i>Review of Scientific Instruments</i> , 1988 , 59, 843-852	1.7	39
430	Local Structure and Bonding of Transition Metal Dopants in Bi ₂ Se ₃ Topological Insulator Thin Films. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 17344-17351	3.8	38
429	X-ray magnetic spectroscopy of MBE-grown Mn-doped Bi ₂ Se ₃ thin films. <i>AIP Advances</i> , 2014 , 4, 127136	1.5	37
428	Angle-dependent x-ray magnetic circular dichroism from (Ga,Mn)As: anisotropy and identification of hybridized states. <i>Physical Review Letters</i> , 2006 , 96, 117207	7.4	37
427	Diameter-independent skyrmion Hall angle observed in chiral magnetic multilayers. <i>Nature Communications</i> , 2020 , 11, 428	17.4	36
426	High-Mobility Sm-Doped Bi ₂ Se ₃ Ferromagnetic Topological Insulators and Robust Exchange Coupling. <i>Advanced Materials</i> , 2015 , 27, 4823-9	24	36
425	Applications of soft x-ray magnetic dichroism. <i>Journal of Physics: Conference Series</i> , 2013 , 430, 012127	0.3	36
424	Soft X-ray resonant magnetic scattering of magnetic nanostructures. <i>Comptes Rendus Physique</i> , 2008 , 9, 570-584	1.4	36
423	Neptunium octupole and hexadecapole motifs in NpO ₂ directly from electric dipole (E1) enhanced x-ray Bragg diffraction. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 4511-4518	1.8	36
422	Comment on "Microscopic origin of magnetic anisotropy in Au/Co/Au probed with x-ray magnetic circular dichroism". <i>Physical Review Letters</i> , 1996 , 76, 3464	7.4	36
421	Direct Detection of Pure ac Spin Current by X-Ray Pump-Probe Measurements. <i>Physical Review Letters</i> , 2016 , 117, 076602	7.4	36
420	Oxidation and crystal field effects in uranium. <i>Physical Review B</i> , 2015 , 92,	3.3	35
419	Probing ferroelectricity in PbZr _{0.2} Ti _{0.8} O ₃ with polarized soft x rays. <i>Physical Review B</i> , 2010 , 82,	3.3	35
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