

Gerrit van der Laan

List of Publications by Year in descending order

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593
papers

26,122
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602
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times ranked

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#	ARTICLE	IF	CITATIONS
1	X-ray circular dichroism as a probe of orbital magnetization. <i>Physical Review Letters</i> , 1992, 68, 1943-1946.	2.9	2,425
2	Kinetics and Selectivity of the Fischer-Tropsch Synthesis: A Literature Review. <i>Catalysis Reviews - Science and Engineering</i> , 1999, 41, 255-318.	5.7	1,065
3	Satellite structure in photoelectron and Auger spectra of copper dihalides. <i>Physical Review B</i> , 1981, 23, 4369-4380.	1.1	799
4	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.	1.1	699
5	Branching ratio in x-ray absorption spectroscopy. <i>Physical Review B</i> , 1988, 38, 3158-3171.	1.1	508
6	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.	0.7	463
7	Nature of the $5f$ states in actinide metals. <i>Reviews of Modern Physics</i> , 2009, 81, 235-298.	16.4	427
8	Strong magnetic x-ray dichroism in 2p absorption spectra of 3d transition-metal ions. <i>Physical Review B</i> , 1991, 43, 13401-13411.	1.1	425
9	Experimental proof of magnetic x-ray dichroism. <i>Physical Review B</i> , 1986, 34, 6529-6531.	1.1	418
10	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.	2.9	356
11	Comparison of x-ray absorption with x-ray photoemission of nickel dihalides and NiO. <i>Physical Review B</i> , 1986, 33, 4253-4263.	1.1	333
12	X-ray magnetic circular dichroism – A versatile tool to study magnetism. <i>Coordination Chemistry Reviews</i> , 2014, 277-278, 95-129.	9.5	276
13	Microscopic origin of magnetocrystalline anisotropy in transition metal thin films. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 3239-3253.	0.7	257
14	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.	3.7	227
15	Electronic Structure and Enhanced Charge-Density Wave Order of Monolayer VSe ₂ . <i>Nano Letters</i> , 2018, 18, 4493-4499.	4.5	200
16	Chiral Magnetic Domain Structures in Ultrathin FePd Films. <i>Science</i> , 1999, 284, 2166-2168.	6.0	183
17	Calculations of magnetic x-ray dichroism in the 3d absorption spectra of rare-earth compounds. <i>Physical Review B</i> , 1988, 37, 2086-2093.	1.1	177
18	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.	2.2	176

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19	Local Probe for Spin-Orbit Interaction. <i>Physical Review Letters</i> , 1988, 60, 1977-1980.	2.9	162
20	XAS and XMCD Evidence for Species-Dependent Partitioning of Arsenic During Microbial Reduction of Ferrihydrite to Magnetite. <i>Environmental Science & Technology</i> , 2006, 40, 7745-7750.	4.6	161
21	Applicability of the Spin-Orbit Sum Rule for the Actinide 5f States. <i>Physical Review Letters</i> , 2004, 93, 097401.	2.9	156
22	Polaronic satellites in x-ray-absorption spectra. <i>Physical Review B</i> , 1990, 41, 12366-12368.	1.1	154
23	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.	0.4	153
24	X-ray-absorption sum rules in j -coupled operators and ground-state moments of actinide ions. <i>Physical Review B</i> , 1996, 53, 14458-14469.	1.1	151
25	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.	1.1	145
26	Copper oxidation state in chalcopyrite: Mixed Cu d9 and d10 characteristics. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4635-4642.	1.6	142
27	Controlled cobalt doping of magnetosomes in vivo. <i>Nature Nanotechnology</i> , 2008, 3, 158-162.	15.6	142
28	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.	1.2	135
29	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.	1.9	135
30	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.	0.3	135
31	Linear relation between x-ray absorption branching ratio and valence-band spin-orbit expectation value. <i>Physical Review A</i> , 1988, 38, 1943-1947.	1.0	131
32	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.	2.5	128
33	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.	1.1	127
34	Angular-resolved linear and circular dichroism in core-level photoemission of metallic systems. <i>Physical Review B</i> , 1995, 51, 240-249.	1.1	125
35	Spin and orbital magnetization in self-assembled Co clusters on Au(111). <i>Physical Review B</i> , 1999, 59, R701-R704.	1.1	119
36	Element-Specific Magnetic Anisotropy Determined by Transverse Magnetic Circular X-ray Dichroism. <i>Science</i> , 1997, 277, 213-215.	6.0	117

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37	Magnetic Linear X-Ray Dichroism as a Probe of the Magnetocrystalline Anisotropy. <i>Physical Review Letters</i> , 1999, 82, 640-643.	2.9	117
38	Biosynthesis and Characterization of Copper Nanoparticles Using <i>Shewanella oneidensis</i> : Application for Click Chemistry. <i>Small</i> , 2018, 14, 1703145.	5.2	112
39	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.	1.5	111
40	Real-Space Observation of Skyrmionium in a Ferromagnet-Magnetic Topological Insulator Heterostructure. <i>Nano Letters</i> , 2018, 18, 1057-1063.	4.5	109
41	Harnessing the Extracellular Bacterial Production of Nanoscale Cobalt Ferrite with Exploitable Magnetic Properties. <i>ACS Nano</i> , 2009, 3, 1922-1928.	7.3	105
42	Control of nanoparticle size, reactivity and magnetic properties during the bioproduction of magnetite by <i>Geobacter sulfurreducens</i> . <i>Nanotechnology</i> , 2011, 22, 455709.	1.3	103
43	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.	1.1	102
44	Hydrocarbon Selectivity Model for the Gas-Solid Fischer-Tropsch Synthesis on Precipitated Iron Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 1277-1290.	1.8	102
45	Ferromagnetic moment and antiferromagnetic coupling in (Ga,Mn)As thin films. <i>Physical Review B</i> , 2005, 71, .	1.1	101
46	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.	1.1	98
47	Microbial Engineering of Nanoheterostructures: Biological Synthesis of a Magnetically Recoverable Palladium Nanocatalyst. <i>ACS Nano</i> , 2010, 4, 2577-2584.	7.3	98
48	Angle-Dependent Ni ₂ -X-Ray Magnetic Linear Dichroism: Interfacial Coupling Revisited. <i>Physical Review Letters</i> , 2007, 98, 197201.	2.9	97
49	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, 19524-19528.	3.3	97
50	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.	1.1	96
51	Heusler alloy/semiconductor hybrid structures. <i>Current Opinion in Solid State and Materials Science</i> , 2006, 10, 93-107.	5.6	96
52	Anisotropic x-ray magnetic linear dichroism at the Fe _{L2,3} edges in Fe ₃ O ₄ . <i>Physical Review B</i> , 2006, 74, .	1.1	95
53	Magnetic Transition in Monolayer VSe ₂ via Interface Hybridization. <i>ACS Nano</i> , 2019, 13, 8997-9004.	7.3	94
54	Surface orbital magnetic moment of ferromagnetic nickel studied by magnetic circular dichroism in Ni ₃ p core level photoemission. <i>Physical Review Letters</i> , 1992, 69, 3827-3830.	2.9	92

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55	<p>Manipulation of skyrmion motion by magnetic field gradients. Nature Communications, 2018, 9, 2115.</p> <p>Unraveling Orbital Ordering in La_{0.5}Sr_{1.5}MnO₄. Physical Review Letters, 2004, 92, 056403.</p> <p>Diameter-independent skyrmion Hall angle observed in chiral magnetic multilayers. Nature Communications, 2020, 11, 428.</p> <p>Angular momentum sum rules for x-ray absorption. Physical Review B, 1998, 57, 112-115.</p> <p>Biosynthesis of Zinc Substituted Magnetite Nanoparticles with Enhanced Magnetic Properties. Advanced Functional Materials, 2014, 24, 2518-2529.</p> <p>Competition between delocalization and spin-orbit splitting in the actinide 5f states. Physical Review B, 2005, 72, .</p> <p>Electron-correlation-induced magnetic order of ultrathin Mn films. Physical Review B, 1997, 56, 8156-8162.</p> <p>Epitaxial growth and magnetic properties of half-metallic Fe₃O₄ on GaAs(100). Physical Review B, 2004, 70, .</p> <p>Spin pumping in Ferromagnet-Topological Insulator-Ferromagnet Heterostructures. Scientific Reports, 2015, 5, 7907.</p> <p>Surface effects in Mn L_{3,2} x-ray absorption spectra from (Ga,Mn)As. Applied Physics Letters, 2004, 84, 4065-4067.</p> <p>Core-hole effects in the x-ray-absorption spectra of transition-metal silicides. Physical Review B, 1990, 41, 11899-11910.</p> <p>Sum rules for magnetic dichroism in rare earth 4f photoemission. Physical Review Letters, 1993, 70, 2499-2502.</p> <p>Study of the structural, electric and magnetic properties of Mn-doped Bi₂Te₃ single crystals. New Journal of Physics, 2013, 15, 103016.</p> <p>Enhancing Magnetic Ordering in Cr-Doped Bi₂Se₃ Using High-<i>T_C</i> Ferrimagnetic Insulator. Nano Letters, 2015, 15, 764-769.</p> <p>Correlation of spin and orbital anisotropies with chemical order in Fe_{0.5}Pd_{0.5} alloy films using magnetic circular x-ray dichroism. Physical Review B, 1999, 59, 1105-1112.</p> <p>Oxidation and aging in U and Pu probed by spin-orbit sum rule analysis: Indications for covalent metal-oxide bonds. Physical Review B, 2006, 73, .</p> <p>Urban yellow fever epidemic in western Nigeria, 1987. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1989, 83, 401-406.</p>	1.1	92
56	Manipulation of skyrmion motion by magnetic field gradients. Nature Communications, 2018, 9, 2115.	5.8	92
57	Unraveling Orbital Ordering in La _{0.5} Sr _{1.5} MnO ₄ . Physical Review Letters, 2004, 92, 056403.	2.9	90
58	Diameter-independent skyrmion Hall angle observed in chiral magnetic multilayers. Nature Communications, 2020, 11, 428.	5.8	89
59	Angular momentum sum rules for x-ray absorption. Physical Review B, 1998, 57, 112-115.	1.1	87
60	Biosynthesis of Zinc Substituted Magnetite Nanoparticles with Enhanced Magnetic Properties. Advanced Functional Materials, 2014, 24, 2518-2529.	7.8	87
61	Competition between delocalization and spin-orbit splitting in the actinide 5f states. Physical Review B, 2005, 72, .	1.1	84
62	Electron-correlation-induced magnetic order of ultrathin Mn films. Physical Review B, 1997, 56, 8156-8162.	1.1	83
63	Epitaxial growth and magnetic properties of half-metallic Fe ₃ O ₄ on GaAs(100). Physical Review B, 2004, 70, .	1.1	83
64	Spin pumping in Ferromagnet-Topological Insulator-Ferromagnet Heterostructures. Scientific Reports, 2015, 5, 7907.	1.6	83
65	Surface effects in Mn L _{3,2} x-ray absorption spectra from (Ga,Mn)As. Applied Physics Letters, 2004, 84, 4065-4067.	1.5	82
66	Core-hole effects in the x-ray-absorption spectra of transition-metal silicides. Physical Review B, 1990, 41, 11899-11910.	1.1	81
67	Sum rules for magnetic dichroism in rare earth 4f photoemission. Physical Review Letters, 1993, 70, 2499-2502.	2.9	81
68	Study of the structural, electric and magnetic properties of Mn-doped Bi ₂ Te ₃ single crystals. New Journal of Physics, 2013, 15, 103016.	1.2	80
69	Enhancing Magnetic Ordering in Cr-Doped Bi ₂ Se ₃ Using High- <i>T_C</i> Ferrimagnetic Insulator. Nano Letters, 2015, 15, 764-769.	4.5	80
70	Correlation of spin and orbital anisotropies with chemical order in Fe _{0.5} Pd _{0.5} alloy films using magnetic circular x-ray dichroism. Physical Review B, 1999, 59, 1105-1112.	1.1	79
71	Oxidation and aging in U and Pu probed by spin-orbit sum rule analysis: Indications for covalent metal-oxide bonds. Physical Review B, 2006, 73, .	1.1	79
72	Urban yellow fever epidemic in western Nigeria, 1987. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1989, 83, 401-406.	0.7	78

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73	Observation of magnetic vortex pairs at room temperature in a planar \hat{I}_{\pm} -Fe ₂ O ₃ /Co heterostructure. Nature Materials, 2018, 17, 581-585.	13.3	78
74	Origin of spin polarization and magnetic dichroism in core-level photoemission. Physical Review Letters, 1991, 67, 3306-3309.	2.9	77
75	Optimizing Cr(VI) and Tc(VII) Remediation through Nanoscale Biomineral Engineering. Environmental Science & Technology, 2010, 44, 2577-2584.	4.6	75
76	Fe site occupancy in magnetite-ulvospinel solid solutions: A new approach using X-ray magnetic circular dichroism. American Mineralogist, 2010, 95, 425-439.	0.9	75
77	Multidomain Skyrmion Lattice State in Cu ₂ OSeO ₃ . Nano Letters, 2016, 16, 3285-3291.	4.5	75
78	Anatomy of Skyrmionic Textures in Magnetic Multilayers. Advanced Materials, 2019, 31, e1807683.	11.1	75
79	Magnetic circular x-ray dichroism in transverse geometry: Importance of noncollinear ground state moments. Physical Review B, 1996, 54, R760-R763.	1.1	73
80	Parkinsonism, pyramidal signs, polyneuropathy, and cognitive decline after long-term occupational solvent exposure. Journal of Neurology, 1999, 246, 198-206.	1.8	73
81	Magnetostrictive thin films for microwave spintronics. Scientific Reports, 2013, 3, 2220.	1.6	73
82	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. Physics and Chemistry of Minerals, 1995, 22, 311-317.	0.3	71
83	Reciprocal space tomography of 3D skyrmion lattice order in a chiral magnet. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6386-6391.	3.3	71
84	Direct Observation of a Bulklike Spin Moment at the Fe/GaAs(100) \hat{a}° 4Å–6Interface. Physical Review Letters, 2004, 93, 037206.	2.9	70
85	Direct determination of cation site occupancies in natural ferrite spinels by L _{2,3} X-ray absorption spectroscopy and X-ray magnetic circular dichroism. American Mineralogist, 2006, 91, 880-893.	0.9	70
86	Electronic correlations in Ni 2p and 3p magnetic X-ray dichroism and X-ray photoemission of ferromagnetic nickel. Journal of Physics Condensed Matter, 1992, 4, 4181-4188.	0.7	69
87	Anisotropic Spin-Orbit Coupling and Magnetocrystalline Anisotropy in Vicinal Co Films. Physical Review Letters, 2001, 87, 067201.	2.9	69
88	Direct Observation of Twisted Surface skyrmions in Bulk Crystals. Physical Review Letters, 2018, 120, 227202.	2.9	69
89	Resonant photoemission inf-electron systems: $\hat{a}\hat{e}f$ Pu and Gd. Physical Review B, 2003, 68, .	1.1	68
90	Rampant changes in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle f \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle f \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle$ across. Physical Review B, 2007, 76, .	1.1	68

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91	Long-lived magnetism from solidification-driven convection on the pallasite parent body. <i>Nature</i> , 2015, 517, 472-475.	13.7	68
92	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.	1.1	67
93	Today's wastes, tomorrow's materials for environmental protection. <i>Hydrometallurgy</i> , 2010, 104, 483-487.	1.8	67
94	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, .	1.1	66
95	Photoelectron Diffraction in Magnetic Linear Dichroism. <i>Physical Review Letters</i> , 1995, 75, 2883-2886.	2.9	65
96	Stoichiometry of Fe ₃ O ₄ (111) ultrathin films on Pt(111). <i>Physical Review B</i> , 2003, 67, .	1.1	65
97	Enhanced spin-orbit torque by engineering Pt resistivity in Pt/Co structures. <i>Physical Review B</i> , 2017, 96, .	1.1	65
98	Probing the site occupancies of Co-, Ni-, and Mn-substituted biogenic magnetite using XAS and XMCD. <i>American Mineralogist</i> , 2008, 93, 1119-1132.	0.9	64
99	Antiferromagnetic coupling of Mn adsorbates to Fe(100). <i>Physical Review B</i> , 1997, 56, 5461-5467.	1.1	63
100	Relation between the angular dependence of magnetic x-ray dichroism and anisotropic ground-state moments. <i>Physical Review B</i> , 1998, 57, 5250-5258.	1.1	63
101	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.	2.9	63
102	Orbital polarization in NiFe ₂ O ₄ measured by Ni ²⁺ 2p x-ray magnetic circular dichroism. <i>Physical Review B</i> , 1999, 59, 4314-4321.	1.1	62
103	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.	1.9	62
104	Controlled cobalt doping in biogenic magnetite nanoparticles. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130134.	1.5	61
105	An investigation of uranium M _{4,5} edge magnetic X-ray circular dichroism in U. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 9325-9341.	0.7	60
106	Magnetic ordering in Cr-doped Bi ₂ Se ₃ thin films. <i>Europhysics Letters</i> , 2014, 107, 57009.	0.7	60
107	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.	0.7	59
108	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.	0.9	59

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109	Multiplet structure in high-resolution and spin-resolved x-ray photoemission from gadolinium. <i>Physical Review B</i> , 1996, 54, 17191-17198.	1.1	57
110	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.	1.5	57
111	Magnetic dichroism in the x-ray-absorption branching ratio. <i>Physical Review B</i> , 1990, 42, 6670-6674.	1.1	56
112	Magnetic Cr doping of Bi_2Se_3 . Evidence for divalent Cr from x-ray spectroscopy. <i>Physical Review B</i> , 2014, 90, .	1.1	56
113	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.	0.3	55
114	Magnetic circular dichroism and orbital momentum coupling in 4d photoemission from Gd(0001). <i>Physical Review B</i> , 1996, 53, R5998-R6001.	1.1	55
115	Magnetic circularly polarized 2p resonant photoemission of nickel. <i>Physical Review B</i> , 1993, 48, 13378-13382.	1.1	54
116	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.	0.7	54
117	Line shape of 2p magnetic-x-ray-dichroism spectra in 3d metallic systems. <i>Physical Review B</i> , 1997, 55, 8086-8089.	1.1	54
118	Biom mineralization: linking the fossil record to the production of high value functional materials. <i>Geobiology</i> , 2008, 6, 285-297.	1.1	54
119	Magnetic imaging by x-ray holography using extended references. <i>Optics Express</i> , 2011, 19, 16223.	1.7	54
120	Atomic-Scale Magnetism of Cr-Doped Bi ₂ Se ₃ Thin Film Topological Insulators. <i>ACS Nano</i> , 2015, 9, 10237-10243.	7.3	54
121	Hitchhiker's Guide to Multiplet Calculations. , 2006, , 143-199.		52
122	Interfacial structure and half-metallic ferromagnetism in Co ₂ MnSi-based magnetic tunnel junctions. <i>Physical Review B</i> , 2006, 74, .	1.1	52
123	Evidence of Redox-Active Iron Formation Following Aggregation of Ferrihydrite and the Alzheimer's Disease Peptide β -Amyloid. <i>Inorganic Chemistry</i> , 2014, 53, 2803-2809.	1.9	52
124	Direct Detection of Pure ac Spin Current by X-Ray Pump-Probe Measurements. <i>Physical Review Letters</i> , 2016, 117, 076602.	2.9	52
125	Valence-band structure of TiO ₂ along the Γ - Γ' -X and Γ - Γ' -M directions. <i>Physical Review B</i> , 1994, 49, 7170-7177.	1.1	51
126	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.	0.4	51

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127	Applications of soft x-ray magnetic dichroism. Journal of Physics: Conference Series, 2013, 430, 012127.	0.3	51
128	Core Hole Polarization in X-Ray Absorption Studied by Magnetic Circular Dichroism in 2p _{3/2} Resonant Photoemission. Physical Review Letters, 1995, 74, 2371-2374.	2.9	50
129	Magnetic circular dichroism in 4d ⁴ 4f resonant photoemission and photoabsorption of Gd metal. Physical Review B, 1997, 55, 2672-2675.	1.1	50
130	Influence of perpendicular magnetic anisotropy on closure domains studied with x-ray resonant magnetic scattering. Physical Review B, 2000, 62, 5779-5785.	1.1	50
131	Soft X-ray resonant magnetic scattering of magnetic nanostructures. Comptes Rendus Physique, 2008, 9, 570-584.	0.3	49
132	Evidence of local moment formation in Co-based Heusler alloys. Physical Review B, 2008, 78, .	1.1	49
133	Electronic and magnetic structure of thin Ni films on Co/Cu(001). Physical Review B, 1999, 60, 12852-12860.	1.1	48
134	Magnetic properties of stoichiometric and nonstoichiometric ultrathin Fe ₃ O ₄ (111) films on Al ₂ O ₃ (0001). Journal of Applied Physics, 2004, 96, 1165-1169.	1.1	48
135	Low-temperature magnetization of (Ga,Mn)As semiconductors. Physical Review B, 2006, 73, .	1.1	48
136	Core hole polarization in resonant photoemission. Journal of Physics Condensed Matter, 1995, 7, 9947-9988.	0.7	47
137	Study of Gd-doped Bi ₂ Te ₃ thin films: Molecular beam epitaxy growth and magnetic properties. Journal of Applied Physics, 2014, 115, .	1.1	47
138	Coherent Transfer of Spin Angular Momentum by Evanescent Spin Waves within Antiferromagnetic NiO. Physical Review Letters, 2020, 124, 217201.	2.9	47
139	Electron correlation effects in the valence band photoemission spectra of copper dichloride. Solid State Communications, 1982, 42, 165-168.	0.9	46
140	2p resonant photoemission study of TiO ₂ s. Physical Review B, 1997, 55, 9520-9523.	1.1	46
141	Remediation of Cr(VI) by biogenic magnetic nanoparticles: An x-ray magnetic circular dichroism study. Applied Physics Letters, 2009, 95, .	1.5	46
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