

Doon Gibbs

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99
papers

5,434
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36
h-index

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101
ext. papers

5,656
ext. citations

3.8
avg, IF

4.61
L-index

#	Paper	IF	Citations
99	X-ray resonance exchange scattering. <i>Physical Review Letters</i> , 1988 , 61, 1245-1248	7.4	631
98	Polarization and resonance properties of magnetic x-ray scattering in holmium. <i>Physical Review Letters</i> , 1988 , 61, 1241-1244	7.4	395
97	Polarization dependence of magnetic x-ray scattering. <i>Physical Review B</i> , 1988 , 37, 1779-1789	3.3	317
96	Magnetic x-ray scattering studies of holmium using synchro- tron radiation. <i>Physical Review Letters</i> , 1985 , 55, 234-237	7.4	245
95	Structure and phases of the Au(111) surface: X-ray-scattering measurements. <i>Physical Review B</i> , 1991 , 43, 4667-4687	3.3	236
94	Interplay between Charge, Orbital, and Magnetic Order in Pr _{1-x} CaxMnO ₃ . <i>Physical Review Letters</i> , 1999 , 83, 4872-4875	7.4	190
93	Magnetic rare earth superlattices. <i>Advances in Physics</i> , 1991 , 40, 99-189	18.4	174
92	Polarization and resonance studies of x-ray magnetic scattering in holmium. <i>Physical Review B</i> , 1991 , 43, 5663-5681	3.3	146
91	Magnetic structure of erbium. <i>Physical Review B</i> , 1986 , 34, 8182-8185	3.3	141
90	Phase behavior of the Au(111) surface: Discommensurations and kinks. <i>Physical Review Letters</i> , 1990 , 65, 3313-3316	7.4	135
89	Structure and phases of the Au(001) surface: In-plane structure. <i>Physical Review B</i> , 1990 , 42, 7330-7344	3.3	130
88	Reconstruction of the Pt(111) surface. <i>Physical Review Letters</i> , 1992 , 68, 2192-2195	7.4	120
87	Structure and phases of the Au(001) surface: X-ray scattering measurements. <i>Physical Review Letters</i> , 1990 , 64, 2925-2928	7.4	119
86	X-ray resonant scattering studies of orbital and charge ordering in Pr _{1-x} CaxMnO ₃ . <i>Physical Review B</i> , 2001 , 64,	3.3	100
85	Structure and phases of the Au(001) surface: Absolute x-ray reflectivity. <i>Physical Review B</i> , 1991 , 44, 6429-6443	3.3	97
84	Spin slips and lattice modulations in holmium: A magnetic x-ray scattering study. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1986 , 140, 349-358	3.3	96
83	Absolute x-ray reflectivity study of the Au(100) surface. <i>Physical Review B</i> , 1988 , 38, 7303-7310	3.3	96

82	Resonant x-ray diffraction of the magnetoresistant perovskite $\text{Pr}_{0.6}\text{Ca}_{0.4}\text{MnO}_3$. <i>Physical Review B</i> , 2004 , 69,	3-3	88
81	Observation of two length scales in the magnetic critical fluctuations of holmium. <i>Physical Review Letters</i> , 1993 , 70, 3151-3154	7-4	80
80	Quantitative determination of the atomic scattering tensor in orbitally ordered YTiO_3 by using a resonant x-ray scattering technique. <i>Physical Review B</i> , 2002 , 66,	3-3	72
79	Orientational epitaxy and lateral structure of the hexagonally reconstructed $\text{Pt}(001)$ and $\text{Au}(001)$ surfaces. <i>Physical Review B</i> , 1992 , 45, 9272-9291	3-3	71
78	Diffraction studies of rare earth metals and superlattices. <i>Physica B: Condensed Matter</i> , 1989 , 159, 93-105.8		69
77	X-Ray Resonance Exchange Scattering. <i>Physical Review Letters</i> , 1989 , 62, 2644-2644	7-4	67
76	X-ray-scattering study of charge- and spin-density waves in chromium. <i>Physical Review B</i> , 1995 , 51, 10336-10344	3-3	66
75	Resonant magnetic x-ray scattering in a series of uranium compounds. <i>Physical Review B</i> , 1992 , 46, 5287-5297	3-3	61
74	Reconstruction of the $\text{Pt}(111)$ surface: X-ray-scattering measurements. <i>Physical Review B</i> , 1993 , 48, 18119-18139	3-3	59
73	Faceting transformations of the stepped $\text{Pt}(001)$ surface. <i>Physical Review Letters</i> , 1993 , 71, 3166-3169	7-4	55
72	X-ray- and neutron-scattering measurements of two length scales in the magnetic critical fluctuations of holmium. <i>Physical Review B</i> , 1994 , 49, 15730-15744	3-3	55
71	Magnetic rare-earth superlattices (invited). <i>Journal of Applied Physics</i> , 1988 , 63, 3447-3452	2-5	53
70	Melting and orientational epitaxy in argon and xenon monolayers on graphite. <i>Physical Review B</i> , 1990 , 41, 4368-4376	3-3	49
69	X-Ray Scattering Study of the Magnetic Structure near the (001) Surface of UO_2 . <i>Physical Review Letters</i> , 1996 , 77, 751-754	7-4	47
68	Temperature dependence of resonant x-ray magnetic scattering in holmium. <i>Physical Review B</i> , 1994 , 50, 2990-3004	3-3	45
67	Correlated polarons in dissimilar perovskite manganites. <i>Physical Review B</i> , 2001 , 64,	3-3	44
66	Orientational epitaxy of the hexagonally reconstructed $\text{Pt}(001)$ surface. <i>Physical Review Letters</i> , 1991 , 67, 3117-3120	7-4	42
65	X-ray-diffraction studies of the magnetic state of thulium. <i>Physical Review B</i> , 1990 , 42, 4322-4328	3-3	41

64	Detection of charge scattering associated with stripe order in La _{1.775} Sr _{0.225} NiO ₄ by hard-x-ray diffraction. <i>Physical Review B</i> , 1997 , 56, 8248-8251	3.3	40
63	Observation of x-ray magnetic scattering in Nd ₂ CuO ₄ . <i>Physical Review B</i> , 1995 , 52, 6575-6580	3.3	36
62	X-ray-scattering determination of the Cu(110)-(2 x 3)N structure. <i>Physical Review B</i> , 1993 , 48, 9013-9020	3.3	36
61	Periodic step-bunching on a miscut Pt(111) surface. <i>Surface Science</i> , 1995 , 338, 225-235	1.8	33
60	Faceting and the orientational phase diagram of stepped Pt(001) surfaces. <i>Physical Review B</i> , 1994 , 49, 16702-16720	3.3	33
59	Thermal roughness of a close-packed metal surface: Pt(001). <i>Physical Review Letters</i> , 1992 , 69, 941-944	7.4	32
58	Changes in 5d Band Polarization in Rare-Earth Compounds. <i>Physical Review Letters</i> , 1999 , 82, 2187-2190	7.4	31
57	High-resolution x-ray-scattering study of charge-density-wave modulation in chromium. <i>Physical Review B</i> , 1988 , 37, 562-564	3.3	31
56	Faceting and reconstruction of stepped Au(111). <i>Physical Review B</i> , 1995 , 52, 12329-12344	3.3	30
55	X-ray reflectivity of the Cu(110) surface. <i>Physical Review B</i> , 1993 , 48, 15320-15325	3.3	30
54	Origin of the second length scale found above TN in UO ₂ . <i>Physical Review B</i> , 1996 , 53, 686-698	3.3	29
53	X-ray resonance exchange scattering in dysprosium. <i>Physical Review B</i> , 1989 , 40, 9336-9337	3.3	29
52	Polarization analysis of magnetic x-ray scattering (invited). <i>Review of Scientific Instruments</i> , 1989 , 60, 1655-1660	1.7	29
51	X-ray-scattering study of higher harmonic satellites near the antiferromagnetic phase transitions in rare-earth metals. <i>Physical Review B</i> , 1995 , 52, 9446-9454	3.3	28
50	Resonance magnetic x-ray-scattering study of erbium. <i>Physical Review B</i> , 1994 , 49, 1079-1085	3.3	28
49	Magnetic x-ray scattering studies of the rare-earth metal holmium (invited). <i>Journal of Applied Physics</i> , 1985 , 57, 3619-3622	2.5	28
48	Resonant x-ray-scattering study of octahedral tilt ordering in LaMnO ₃ and Pr _{1-x} CaxMnO ₃ . <i>Physical Review B</i> , 2001 , 64,	3.3	26
47	Helicity of magnetic domains in holmium studied with circularly polarized x rays. <i>Physical Review B</i> , 1997 , 55, 954-959	3.3	25

46	Resonant x-ray scattering studies of the magnetic structure near the surface of an antiferromagnet. <i>Physical Review B</i> , 2000 , 61, 8966-8975	3.3	25
45	Synthetic magnetic rare-earth Dy-Y superlattices. <i>Journal of Applied Physics</i> , 1987 , 61, 4052-4054	2.5	24
44	X-ray magnetic scattering from nonmagnetic Lu in a DyLu alloy. <i>Physical Review Letters</i> , 1995 , 75, 3182-3185	3.5	23
43	Incommensurate charge-density-wave state in alpha -uranium: A high-resolution x-ray and neutron-scattering study. <i>Physical Review B</i> , 1991 , 43, 8803-8807	3.3	23
42	Magnetic x-ray-scattering study of Tb. <i>Physical Review B</i> , 1992 , 45, 243-248	3.3	23
41	Structure of pseudomorphic and reconstructed thin Cu films on Ru(0001). <i>Physical Review B</i> , 2000 , 62, 10436-10444	3.3	22
40	Configurational effects in the optical spectra of Ar and Kr on Mg and Al. <i>Physical Review B</i> , 1984 , 29, 5304-5312	3.5	21
39	Substrate-induced strain effects on Pr _{0.6} Ca _{0.4} MnO ₃ films. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 13-27	1.8	20
38	Neutral excited configuration of rare-gas atoms adsorbed on alkali metals. <i>Physical Review B</i> , 1984 , 29, 5292-5303	3.3	20
37	Neutron diffraction and x-ray resonant exchange-scattering studies of the zero-field magnetic structures of TbNi ₂ Ge ₂ . <i>Physical Review B</i> , 1998 , 58, 8522-8533	3.3	19
36	Magnetic X-ray scattering with synchrotron radiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1986 , 246, 839-844 ^{1,2}	1.2	19
35	Co-existence of long- and short-range magnetic correlations in holmium-erbium superlattices. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1996 , 101, 35-46		18
34	X-ray magnetic scattering. <i>Synchrotron Radiation News</i> , 1992 , 5, 18-23	0.6	17
33	Orientalional phase diagram of the stepped Au(001) surface. <i>Surface Science</i> , 1998 , 407, 59-72	1.8	13
32	Coherent x-ray scattering from manganite charge and orbital domains. <i>Physical Review B</i> , 2002 , 66,	3.3	13
31	Magnetic and structural properties of erbium films. <i>Physical Review B</i> , 1997 , 56, 2635-2645	3.3	12
30	Observation of two length scales above TN in a holmium thin film. <i>Physica B: Condensed Matter</i> , 1996 , 221, 398-404	2.8	12
29	Antiferromagnetic layer formation in UAs. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 1421-1422	2.8	11

28	X-ray-edge problem in metals. I. Universal scaling in alkali-alkali alloys. <i>Physical Review B</i> , 1985 , 32, 588-601	3.3	10
27	Interplay between structure and magnetism in HoxPr1-x alloys. II. Resonant x-ray magnetic scattering. <i>Physical Review B</i> , 1998 , 57, 5941-5950	3.3	9
26	Synchrotron X-ray scattering studies of rare earth metals. <i>Journal of the Less Common Metals</i> , 1989 , 148, 109-120		9
25	Au(111) and Pt(111) surface phase behavior. <i>Surface Science</i> , 1993 , 287-288, 321-324	1.8	8
24	Resonant X-ray scattering in 5f magnetism. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 1349-1352	2.8	7
23	Cs 5p Absorption Edge in Na-Cs Alloys. <i>Physical Review Letters</i> , 1982 , 49, 815-819	7.4	7
22	Reply to Comment on X-ray resonant scattering studies of orbital and charge ordering in Pr1-xCaxMnO3. <i>Physical Review B</i> , 2003 , 68,	3.3	6
21	Polarization analysis of magnetic X-ray scattering. <i>Physica B: Condensed Matter</i> , 1989 , 159, 145-150	2.8	6
20	X-ray-edge problem in metals. II. Alkali-metal atoms adsorbed on alkali and other metal surfaces. <i>Physical Review B</i> , 1985 , 32, 602-611	3.3	6
19	Nanoscale strain distribution at the Ag/Ru(0001) interface. <i>Physical Review B</i> , 2003 , 67,	3.3	5
18	X-ray resonant scattering studies of charge and orbital ordering in Pr1-xCaxMnO3. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 233, 31-37	2.8	5
17	The magnetic phase transition of a lattice-matched holmium thin film. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 6803-6812	1.8	5
16	Chapter 169 X-ray scattering studies of lanthanide magnetism. <i>Fundamental Theories of Physics</i> , 1999 , 26, 1-85	0.8	4
15	Grazing-incidence X-ray magnetic scattering studies of UO2(0 0 1) surfaces. <i>Physica B: Condensed Matter</i> , 1996 , 221, 405-407	2.8	4
14	Structure and phases of the Au(001) surface: X-ray scattering measurements. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1991 , 9, 1861-1867	2.9	4
13	Structure and phase behavior of the Ir(001) surface: X-ray scattering measurements. <i>Surface Science</i> , 1999 , 430, 55-66	1.8	3
12	The magnetic structure of holmium/erbium superlattices. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 779-782	2.8	3
11	X-ray and neutron scattering studies of magnetic critical fluctuations in holmium. <i>Physica B: Condensed Matter</i> , 1993 , 192, 177-181	2.8	3

10	X-ray magnetic scattering. <i>Synchrotron Radiation News</i> , 2001 , 14, 4-10	0.6	2
9	Resonant magnetic X-ray scattering: a new probe for actinides. <i>Journal of Alloys and Compounds</i> , 1994 , 213-214, 114-119	5.7	2
8	Resonant X-ray magnetic scattering in holmium. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 104-107, 1489-1495	2.8	2
7	X-ray Resonance Exchange Scattering (XRES). <i>Hyperfine Interactions</i> , 1989 , 50, 477-479	0.8	2
6	Resonant X-ray scattering as a probe of the valence and magnetic ground state and excitations in Pr _{0.6} Ca _{0.4} MnO ₃ . <i>Physica B: Condensed Matter</i> , 2004 , 345, 6-10	2.8	1
5	Search for spin-slip lockins using tailored impurity layers. <i>Physical Review B</i> , 1998 , 57, R685-R688	3.3	1
4	Magnetic and structural measurements of lattice-matched erbium films on sapphire [1 1 0] and [0 0 1] substrates. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 192, 11-18	2.8	1
3	Structural Distortions in the Paramagnetic Insulating Phase of La _{0.7} Ca _{0.3} MnO ₃ . <i>Materials Research Society Symposia Proceedings</i> , 2001 , 678, 731		
2	Interplay of charge, orbital and magnetic order in Pr _{1-x} Ca _x MnO ₃ . <i>Materials Research Society Symposia Proceedings</i> , 1999 , 590, 103		
1	Synchrotron x-ray scattering studies of magnetic materials (invited) (abstract). <i>Journal of Applied Physics</i> , 1990 , 67, 5709-5709	2.5	