

Marek J Wã³jcik

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7559704/publications.pdf>

Version: 2024-02-01

107
papers

2,525
citations

236612

25
h-index

214527

47
g-index

110
all docs

110
docs citations

110
times ranked

2390
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly spin-polarized materials and devices for spintronics $\hat{=}$. Science and Technology of Advanced Materials, 2008, 9, 014101.	2.8	277
2	Nanoscale Multiphase Separation at $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3/\text{SrTiO}_3$ Interfaces. Physical Review Letters, 2001, 87, 067210.	2.9	233
3	Structural and magnetic properties and tunnel magnetoresistance for $\text{Co}_2(\text{Cr,Fe})\text{Al}$ and Co_2FeSi full-Heusler alloys. Journal Physics D: Applied Physics, 2006, 39, 816-823.	1.3	165
4	Charge trapping in optimally doped epitaxial manganite thin films. Physical Review B, 2002, 66, .	1.1	150
5	Elastic and orbital effects on thickness-dependent properties of manganite thin films. Physical Review B, 2007, 76, .	1.1	93
6	Electronic structure, magnetism and disorder in the Heusler compound Co_2TiSn . Journal Physics D: Applied Physics, 2007, 40, 1587-1592.	1.3	83
7	Site disorder in $\text{Co}_{1-x}\text{Mn}_x\text{Fe}_x\text{Si}$ alloys and its influence on junction tunnel magnetoresistance. Physical Review B, 2008, 77, .	1.1	64
8	NMR analysis of buried metallic interfaces. Hyperfine Interactions, 1996, 97-98, 75-98.	0.2	59
9	Structure and properties of CoMnSb in the context of half-metallic ferromagnetism. Physical Review B, 2006, 74, .	1.1	58
10	Surface-induced phase separation in manganites: A microscopic origin for powder magnetoresistance. Applied Physics Letters, 2003, 82, 928-930.	1.5	57
11	Role of stacking faults in the structural and magnetic properties of ball-milled cobalt. Physical Review B, 2003, 68, .	1.1	56
12	Inhomogeneous structure and magnetic properties of granular $\text{Co}_{10}\text{Cu}_{90}$ alloys. Physical Review B, 2000, 63, .	1.1	51
13	Possible spin-triplet superconducting phase in the $\text{La}_{1-x}\text{Mn}_x\text{O}_3$ system. Physical Review B, 2009, 80, .	1.1	49
14	Electronic, magnetic, and structural properties of the ferrimagnet MnCo_2Si . Physical Review B, 2011, 83, .	1.1	48
15	A NMR and Mössbauer study of $\text{Nd}_2\text{Fe}_{14}\text{B}$. Journal of Applied Physics, 1985, 57, 4124-4126.	1.1	43
16	Very low chemical disorder in epitaxial NiMnSb films on $\text{GaAs}(111)\text{B}$. Applied Physics Letters, 2003, 83, 4214-4216.	1.5	40
17	NMR evidence for selective enhancement of Mn magnetic moment by electron doping in $\text{Sr}_{2-x}\text{La}_x\text{FeMoO}_6$. Physical Review B, 2004, 69, .	1.1	39
18	Probing the random distribution of half-metallic $\text{Co}_2\text{Mn}_{1-x}\text{Fe}_x\text{Si}$ Heusler alloys. Applied Physics Letters, 2007, 91, .	1.5	36

#	ARTICLE	IF	CITATIONS
19	Ferromagnetic coupling in $\text{Nd}_x\text{Ca}_{1-x}\text{FeMoO}_6$ double perovskites: Dominant band-filling effects. Physical Review B, 2004, 70, .	1.1	35
20	New phases and chemical short range order in co-deposited CoFe thin films with bcc structure: an NMR study. Zeitschrift für Physik B-Condensed Matter, 1997, 103, 5-12.	1.1	31
21	Hyperfine field and ordering in bcc CoFe bulk alloys studied by ^{59}Co NMR and Monte-Carlo simulation. Zeitschrift für Physik B-Condensed Matter, 1996, 101, 471-486.	1.1	29
22	Strain-Driven Orbital and Magnetic Orders and Phase Separation in Epitaxial Half-Doped Manganite Films for Tunneling Devices. Physical Review Applied, 2016, 6, .	1.5	29
23	Automated pulsed NMR spectrometer for modern magnetic materials. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 2187-2188.	1.0	28
24	On the stability of bcc Co in Co/Fe superlattices an NMR and XRD study. Zeitschrift für Physik B-Condensed Matter, 1997, 101, 329-337.	1.1	28
25	Magnetism and magnetotransport of strongly disordered $\text{Zn}_{1-x}\text{Mn}_x\text{GeAs}_2$ semiconductor: The role of nanoscale magnetic clusters. Journal of Applied Physics, 2010, 108, 073925.	1.1	28
26	Identification of magnetic phases in granular $\text{Co}_{10}\text{Cu}_{90}$ alloy using NMR method. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 599-601.	1.0	25
27	Thickness dependence of surface roughness and transport properties of $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ epitaxial thin films. Journal of Applied Physics, 2001, 89, 6686-6688.	1.1	25
28	Colossal linear magnetoresistance in a CdGeAs_2 semiconductor. $\langle \text{math display="block">\frac{R_{xx}}{R_{yy}} = \frac{1}{1 - \frac{1}{2} \frac{R_{xx}}{R_{yy}}} \rangle$	1.1	24
29	Structural study by NMR in Co/Cu multilayers at second antiferromagnetic maximum. Journal of Magnetism and Magnetic Materials, 1997, 165, 292-296.	1.0	23
30	Hyperfine magnetic field on iron atoms and Co-Fe disordering in Co_2FeSi . Journal of Applied Physics, 2010, 107, 09B106.	1.1	23
31	Structure and magnetism in bcc Co/Fe superlattices. Journal of Magnetism and Magnetic Materials, 1993, 126, 12-15.	1.0	22
32	Improving the Magnetic Properties of Co-Fe Systems by Designed Oxygen Implantation Profiles. ACS Applied Materials & Interfaces, 2013, 5, 4320-4327.	4.0	22
33	^{59}Co NMR experiment as a probe of electron doping in CoFeAl multilayers. $\langle \text{math display="block">\frac{R_{xx}}{R_{yy}} = \frac{1}{1 - \frac{1}{2} \frac{R_{xx}}{R_{yy}}} \rangle$	1.1	21
34	Rydberg transitions as a probe for structural changes and phase transition at polymer surfaces: an ATR-FUV-DUV and quantum chemical study of poly(3-hydroxybutyrate) and its nanocomposite with graphene. Physical Chemistry Chemical Physics, 2018, 20, 8859-8873.	1.3	20
35	Magnetoresistive oxides: new developments and applications. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 98-104.	1.0	18
36	Pressure effect on magnetic and structural properties of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2009, 79, .	1.1	17

#	ARTICLE	IF	CITATIONS
37	Magnetic Properties and Structure of Metallic Multilayers Investigated by NMR. Materials Research Society Symposia Proceedings, 1997, 475, 157.	0.1	16
38	NMR evidence for MnSb environments within epitaxial NiMnSb films grown on GaAs(001). Journal of Magnetism and Magnetic Materials, 2002, 240, 414-416.	1.0	16
39	IV-VI ferromagnetic semiconductors recent studies. Science of Sintering, 2006, 38, 109-116.	0.5	16
40	NMR study of Fe hyperfine field assignments in Nd ₁₅ Fe ₇₇ B ₈ and Co site preference in Nd ₁₅ Fe ₇₇ xCo ₈ B ₈ . Physical Review B, 1987, 36, 8213-8218.	1.1	15
41	Structural study of nanometric electrodeposited Co films using ⁵⁹ Co NMR. Journal of Applied Physics, 2001, 89, 7083-7085.	1.1	15
42	Electronic phase separation in epitaxial La ₂ x ₃ Ca ₁ x ₃ MnO ₃ films on (001) and (110) SrTiO ₃ substrates. Journal of Applied Physics, 2006, 99, 08A701.	1.1	15
43	Field induced anisotropy and stability of soft magnetic properties towards high temperature in Co-rich nanocrystalline FeCoNbB alloys. Journal of Magnetism and Magnetic Materials, 2007, 310, 2494-2496.	1.0	15
44	Hyperfine fields and magnetic moments of crystalline Co ₃ xFe ₇ B and glassy Co ₄ xFe ₇ B alloys. Journal of Applied Physics, 1984, 55, 2288-2290.	1.1	14
45	Heat-induced nanocluster formation in codeposited Ag ₁ xCo _x thin films: Nuclear magnetic resonance study. Journal of Applied Physics, 2004, 95, 2770-2775.	1.1	14
46	Structural and functional characterization of (110)-oriented epitaxial La ₂ x ₃ Ca ₁ x ₃ MnO ₃ electrodes and SrTiO ₃ tunnel barriers. Journal of Applied Physics, 2007, 101, 093902.	1.1	14
47	Effects of random distribution of Mn, Fe in Co ₂ Mn ₁ xFe _x Si Heusler compounds probed by Mn ⁵⁵ nuclear magnetic resonance. Journal of Applied Physics, 2008, 103, .	1.1	14
48	ESR and NMR Study of Mixed Yttrium-Lutetium-Aluminum Garnets. Physica Status Solidi (B): Basic Research, 1980, 102, 249-256.	0.7	13
49	Electronic self-doping of Mo states in A ₂ FeMoO ₆ (A=Ca, Sr, and Ba) half-metallic ferromagnets: A nuclear magnetic resonance study. Physical Review B, 2005, 71, .	1.1	13
50	Formation of a Co nanostructure revealed by ⁵⁹ Co nuclear magnetic resonance measurements in Co/Au multilayers. Physical Review B, 2000, 63, .	1.1	12
51	Low-temperature spin reorientation and Co hyperfine fields in Nd ₂ Co ₁₄ B studied by NMR. Physical Review B, 1989, 40, 2606-2609. Mn	1.1	11
52	study of quaternary half-metallic ferromagnetic CoMn NMR Mn NMR	1.1	11
53	The Bohr-Oppenheimer molecular simulations of infrared spectra of crystalline poly-(R)-3-hydroxybutyrate with analysis of weak C-H...O C hydrogen bonds. Chemical Physics Letters, 2017, 678, 112-118.	1.2	11
54	Engineering the magnetic anisotropy of an ultrathin Co layer sandwiched between films of Mo or Au. Journal Physics D: Applied Physics, 2017, 50, 215004.	1.3	11

#	ARTICLE	IF	CITATIONS
55	Study of hydrogen bond dynamics in Nylon 6 crystals using IR spectroscopy and molecular dynamics focusing on the differences between \hat{I}_{\pm} and \hat{I}_3 crystal forms. International Journal of Quantum Chemistry, 2018, 118, e25595.	1.0	11
56	Significant modification of ^{59}Co hyperfine fields assigned to specific structural changes in sputtered Co/Au and Co/Cu multilayers. Physical Review B, 1999, 59, 8812-8820.	1.1	10
57	Nmr Studies of Bulk and Interface Structure in Co Based Multilayers. Materials Research Society Symposia Proceedings, 1995, 384, 61.	0.1	9
58	NMR study in amorphous CoZr thin film alloys. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 220-222.	1.0	9
59	Structure of Co layers in Co/Cu multilayers at the first antiferromagnetic maximum studied by nuclear magnetic resonance. Journal of Applied Physics, 1997, 81, 4776-4778.	1.1	9
60	Ferromagnetic resonance in Mn_5Ge_3 epitaxial films with weak stripe domain structure. Journal Physics D: Applied Physics, 2017, 50, 125001.	1.3	9
61	SPIN ECHO NMR IN $\text{Nd}_{2-x}(\text{CoFe})_{14-x}\text{B}$. Journal De Physique Colloque, 1988, 49, C8-587-C8-588.	0.2	9
62	Wall NMR in the weak ferromagnets YCrO_3 and LuCrO_3 . Journal of Magnetism and Magnetic Materials, 1984, 40, 303-313.	1.0	8
63	NMR study of the low temperature spin canting in $\text{Nd}_2(\text{CoFe})_{14}\text{B}$ with low Fe content. Journal of Applied Physics, 1990, 67, 4586-4588.	1.1	8
64	Effect of deposition sequence on interface intermixing in Cu/Co/Ru and Ru/Co/Cu multilayers studied by NMR. Journal of Applied Physics, 2002, 91, 7191.	1.1	8
65	Ferromagnetic coupling strength and electron-doping effects in double perovskites. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 974-980.	1.0	8
66	Paramagnetic regime in $\text{Zn}_{1-x}\text{Mn}_x\text{GeAs}_2$ diluted magnetic semiconductor. Physica Status Solidi (B): Basic Research, 2011, 248, 1601-1604.	0.7	8
67	Selective modification of the unquenched orbital moment of manganese introduced by carbon dopant in epitaxial $\text{Mn}_5\text{Ge}_3\text{Co}_2/\text{Ge}(111)$ films. Physical Review B, 2020, 101, .	1.1	8
68	NMR study of local properties of Co in $\text{Nd}_2(\text{CoFe})_{14}\text{B}$. Journal of Magnetism and Magnetic Materials, 1989, 80, 19-22.	1.0	7
69	Two magnetic states of Nd in $\text{Nd}_2(\text{CoFe})_{14}\text{B}$ – ^{145}Nd NMR study. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1405-1406.	1.0	7
70	Nanocrystallization of FeCoZrB alloys studied by ^{59}Co nuclear magnetic resonance. Applied Physics Letters, 2004, 85, 2884-2886.	1.5	7
71	Structural Order in Heusler Compounds. Springer Series in Materials Science, 2016, , 87-109.	0.4	7
72	^{57}Fe antisite defects in $\text{Sr}_2\text{FeMoO}_6$ studied by NMR. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1834-1835.	1.0	6

#	ARTICLE	IF	CITATIONS
73	Spectroscopic study of uracil, 1-methyluracil and 1-methyl-4-thiouracil: Hydrogen bond interactions in crystals and ab-initio molecular dynamics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 197, 194-201.	2.0	6
74	Hyperfine fields in La ₂ Co ₁₄ B. <i>Journal of Magnetism and Magnetic Materials</i> , 1988, 72, 330-334.	1.0	5
75	Spin arrangements in (Nd _{1-x} Y _x) ₂ Co ₁₄ B studied by NMR. <i>Journal of Applied Physics</i> , 1991, 69, 6043-6045.	1.1	5
76	Structural studies in Co/Zr multilayers using NMR. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 156, 38-40.	1.0	5
77	Charge localization in nanometric La _{2/3} Ca _{1/3} MnO ₃ thin films grown on nearly matching substrates. <i>Journal of Applied Physics</i> , 2003, 93, 8065-8067.	1.1	5
78	Co NMR study of nanocrystallization process in Co-rich HITPERM alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 304, e712-e714.	1.0	5
79	Effects of SrTiO ₃ capping in La _{2/3} Ca _{1/3} MnO ₃ electrodes of different orientations. <i>Journal of Applied Physics</i> , 2008, 103, 07E302.	1.1	5
80	Hyperfine fields and anisotropy of the orbital moment in epitaxial Mn ₅ Ge ₃ films studied by Mn ⁵⁵ NMR. <i>Physical Review B</i> , 2018, 97, .	1.1	5
81	Discontinuous Co layer in Co/Cu multilayers at the first antiferromagnetic maximum. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 1183-1185.	1.0	4
82	Investigation of ion beam deposited spin valve interface structure by ⁵⁹ Co nuclear magnetic resonance. <i>Journal of Applied Physics</i> , 1999, 85, 4439-4441.	1.1	4
83	Electrostatic model of the crystal field in garnets. <i>Journal of Magnetism and Magnetic Materials</i> , 1980, 15-18, 21-22.	1.0	3
84	Two Types of Tetrahedral Sites in the Mixed {Ca ₂ Na} [Mg ₂] (V ₃)O ₁₂ Garnet. <i>Physica Status Solidi (B): Basic Research</i> , 1982, 112, 483-488.	0.7	3
85	Magnetic properties of nanocrystalline HITPERM alloys studied by ⁵⁹ Co NMR. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 1431-1433.	1.0	3
86	Magnetic Properties of Ge _{1-x} Y _x MnxEu _y Te Mixed Crystals. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	3
87	⁵⁹ Co NMR analysis of CoFeB-MgO based magnetic tunnel junctions. <i>Journal of Alloys and Compounds</i> , 2018, 741, 775-780.	2.8	3
88	Structural Properties of Co and CoFe Electrodes Forming a Magnetic Tunnel Junction. <i>Acta Physica Polonica A</i> , 2007, 111, 135-140.	0.2	3
89	Structural Studies of Co/Cu and Co/Ru Interfaces Using ⁵⁹ Co NMR Method. <i>Acta Physica Polonica A</i> , 2000, 97, 551-554.	0.2	3
90	Microscopic magnetism in MnAs/GaAs heterostructures studied by NMR. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 1588-1590.	1.0	2

#	ARTICLE	IF	CITATIONS
91	Interface and Bulk Charge Localization in Manganite Thin Films. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400079.	1.9	2
92	Signature of the Spin Triplet Phase in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{Yb}_{0.2}\text{Cu}_3\text{O}_7/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$. <i>Acta Physica Polonica A</i> , 2010, 118, 313-315.	0.2	1
93	Hyperfine field interactions in crystalline $\text{Fe}_3\text{P}_{1-x}\text{B}_x$ alloys. <i>Hyperfine Interactions</i> , 1983, 16, 725-728.	0.2	1
94	^{59}Co spin echo NMR in the $\text{Co}_{3-x}\text{Fe}_x\text{B}$ system. <i>Journal of Applied Physics</i> , 1987, 61, 3650-3652.	1.1	1
95	Inhomogeneous electronic properties of epitaxial $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ thin films. <i>Thin Solid Films</i> , 2001, 400, 85-89.	0.8	1
96	Domain Wall NMR in Anisotropic Ferromagnets Application to the System $\text{Re}(\text{CoFe})\text{-B}$. , 1991, , 315-353.		1
97	Chalcopyrite semimagnetic semiconductors: From nanocomposite to homogeneous material. <i>Science of Sintering</i> , 2014, 46, 271-281.	0.5	1
98	Some Nuclear Magnetic Resonance Results on Nd-Fe-B Phases. , 1991, , 283-314.		1
99	Highly ordered carbon penetration into the Mn_5C lattice: A superstructure in Mn_5C lattice: <i>Physical Review B</i> , 2007, 75, 104407.	1.1	1
100	Estimation of applicability of the electrostatic model to calculate the crystal field parameters in garnets. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1983, 121, 370-388.	0.9	0
101	NMR study of $\text{Nd}_2(\text{Fe}_{1-x}\text{Co}_x)_{14}\text{B}$ for low Co content (abstract). <i>Journal of Applied Physics</i> , 1991, 69, 6070-6070.	1.1	0
102	NMR as a Tool in Structural Studies of Modern Magnetic Materials. , 1997, , 253-258.		0
103	Phase Separation at Interfaces in $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2001, 690, F4.1.1.	0.1	0
104	Epitaxial Growth of NiMnSb on GaAs by Molecular Beam Epitaxy. , 0, , 153-185.		0
105	Ferromagnetic Coupling Strength and Electron-Doping Effects in Double Perovskites. <i>ChemInform</i> , 2005, 36, no.	0.1	0
106	Epitaxial $\text{Co}_{1-x}\text{Mox}$ thin film alloys studied by ^{59}Co NMR. <i>Journal of Alloys and Compounds</i> , 2019, 788, 559-564.	2.8	0
107	Structure des multicouches magnétiques et de leurs interfaces vue par RMN. <i>European Physical Journal Special Topics</i> , 1996, 06, C7-89-C7-106.	0.2	0