

# Zbigniew Celinski

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8178319/zbigniew-celinski-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180  
papers

4,044  
citations

32  
h-index

56  
g-index

190  
ext. papers

4,268  
ext. citations

2.8  
avg, IF

4.88  
L-index

#	Paper	IF	Citations
180	Studies of the correlations between physical properties and complex permeability of NiFe thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2022</b> , 554, 169298	2.8	0
179	One-Step Preparation of Highly Stable Copper-Zinc Ferrite Nanoparticles in Water Suitable for MRI Thermometry.. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 4001-4018	9.6	3
178	On the optimization of imaging parameters for magnetic resonance imaging thermometry using magnetic microparticles. <i>Journal of Magnetic Resonance</i> , <b>2021</b> , 333, 107108	3	0
177	Effect of alignment methods on liquid crystal performance in millimeter wave devices. <i>Engineering Research Express</i> , <b>2020</b> , 2, 025002	0.9	2
176	Microwave interferometer for phase and response time measurements. <i>Review of Scientific Instruments</i> , <b>2020</b> , 91, 024707	1.7	0
175	Structural, magnetic and toxicity studies of ferrite particles employed as contrast agents for magnetic resonance imaging thermometry. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 497, 165981	2.8	9
174	Fabrication and characterization of microwave phase shifter in microstrip geometry with Fe film as the frequency tuning element. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 489, 165412	2.8	10
173	Permalloy (NiFe) nanometer square-antidot arrays: Dynamic modes and use as a monolithic microwave band-pass filter. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 484, 272-278	2.8	7
172	Exchange stiffness as a function of composition in $Cu_x(Ni_{0.80}Fe_{0.20})_{1-x}$ alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 477, 344-349	2.8	3
171	Microwave Monolithic Devices Using Magnetic HardSoft Nanocomposite. <i>IEEE Transactions on Magnetics</i> , <b>2019</b> , 1-4	2	2
170	Liquid crystal based tunable spurline filters with notch frequencies at 50 and 85 GHz. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 672-679	1.2	2
169	Liquid crystals for signal processing applications in the microwave and millimeter wave frequency ranges. <i>Liquid Crystals Reviews</i> , <b>2018</b> , 6, 17-52	2.8	19
168	Novel Mechanical Magnetic Shutter Antenna for ELF /VLF Radiation <b>2018</b> ,		8
167	Physicochemical and structural analysis of MBE grown EuxMny films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 464, 18-25	2.8	
166	Development of Ferrite-Based Temperature Sensors for Magnetic Resonance Imaging: A Study of CuZnFeO. <i>Physical Review Applied</i> , <b>2018</b> , 9,	4.3	13
165	Vector MO magnetometry for mapping microwave currents. <i>AIP Advances</i> , <b>2018</b> , 8, 056642	1.5	4
164	Zinc doped copper ferrite particles as temperature sensors for magnetic resonance imaging. <i>AIP Advances</i> , <b>2017</b> , 7, 056703	1.5	14

163	One dimensional FeCo <sub>1-x</sub> nanowires; ferromagnetic resonance and magnetization dynamics. <i>AIP Advances</i> , <b>2017</b> , 7, 056027	1.5	9
162	Magnetic shielding of 3-phase current by a composite material at low frequencies. <i>AIP Advances</i> , <b>2017</b> , 7, 056328	1.5	5
161	Electrically Tunable Open-Stub Bandpass Filters Based on Nematic Liquid Crystals. <i>Physical Review Applied</i> , <b>2017</b> , 8,	4.3	11
160	Transverse magneto-optic effect in multilayers applied to mapping of microwave currents. <i>Optical Materials Express</i> , <b>2017</b> , 7, 2368	2.6	6
159	Magnetic Nanodrug Delivery Through the Mucus Layer of Air-Liquid Interface Cultured Primary Normal Human Tracheobronchial Epithelial Cells. <i>BioNanoScience</i> , <b>2016</b> , 6, 235-242	3.4	4
158	Frequency and field dependent dynamic properties of CoFe <sub>2</sub> Al <sub>x</sub> O <sub>4</sub> ferrite nanoparticles. <i>Materials Research Bulletin</i> , <b>2016</b> , 76, 22-27	5.1	12
157	Biasing vector network analyzers using variable frequency and amplitude signals. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 084701	1.7	3
156	Ferromagnetic particles as magnetic resonance imaging temperature sensors. <i>Nature Communications</i> , <b>2016</b> , 7, 12415	17.4	28
155	Exponentially decaying magnetic coupling in sputtered thin film FeNi/Cu/FeCo trilayers. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 042405	3.4	16
154	Monolithic Microwave Nonlinear Phase Shifter. <i>IEEE Magnetics Letters</i> , <b>2015</b> , 6, 1-4	1.6	10
153	Curie temperature and magnetic properties of aluminum doped barium ferrite particles prepared by ball mill method. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 395, 350-353	2.8	15
152	Mössbauer spectroscopy study of Al distribution in BaAl <sub>x</sub> Fe <sub>12</sub> O <sub>19</sub> thin films. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17A501	2.5	4
151	Magneto-optical studies of BaFe <sub>12</sub> O <sub>19</sub> films grown by metallo-organic decomposition. <i>Optical Materials Express</i> , <b>2015</b> , 5, 1323	2.6	
150	Magnetization Dynamics. <i>Handbook of Surface Science</i> , <b>2015</b> , 5, 113-167		5
149	Planar Magnetic Devices for Signal Processing in the Microwave and Millimeter Wave Frequency Range. <i>Handbook of Surface Science</i> , <b>2015</b> , 5, 421-457		1
148	Positive correlation between coercivity and ferromagnetic resonance extrinsic linewidth in FeCoV/SiO <sub>2</sub> films. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 072404	3.4	10
147	Combined (1)H MRI, PET and Multinuclear MRS hybrid imaging system. <i>EJNMMI Physics</i> , <b>2014</b> , 1, A6	4.4	
146	AlN/Fe/AlN nanostructures for magneto-optic magnetometry. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17A937	2.3	1

145	Properties of ferroelectric/ferromagnetic thin film heterostructures. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17D713	2.5	3
144	On-wafer magnetically tunable millimeter wave notch filter using M-phase Ba hexagonal ferrite/Pt thin films on Si. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 173503	3.4	21
143	Single crystal Fe <sub>1-x</sub> Ga <sub>x</sub> thin films for monolithic microwave devices. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17C112	2.5	18
142	High frequency study of core-shell reusable CoFe <sub>2</sub> O <sub>4</sub> /ZnO nanospheres. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17B515	2.5	1
141	Magnetization Dynamics and Reversal Mechanisms in Ni Nanowire and Nanotube Arrays. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	4
140	Magneto-Optical Properties of a Ferronematic Colloid. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	4
139	Physical properties of Al doped Ba hexagonal ferrite thin films. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 043903	2.5	40
138	Magnetic properties of Eu-Fe thin films. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 17E143	2.5	
137	Static and dynamic magnetic properties of bcc Fe <sub>49</sub> Co <sub>49</sub> V <sub>2</sub> thin films on Si(1 0 0) substrates. <i>Journal Physics D: Applied Physics</i> , <b>2013</b> , 46, 495002	3	7
136	Analytical analysis of a multilayer structure with ultrathin Fe film for magneto-optical sensing. <i>Optics Express</i> , <b>2013</b> , 21, 3400-16	3.3	9
135	Iron based microstrip phase shifter; optimization of phase shift. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07A508	2.5	5
134	Increasing the switching speed of liquid crystal devices with magnetic nanorods. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 181109	3.4	21
133	Al doped Ba hexaferrite (BaAl <sub>x</sub> Fe <sub>12-x</sub> O <sub>19</sub> ) thin films on Pt using metallo-organic decomposition. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07A514	2.5	9
132	Nonlinearly generated harmonic signals in ultra-small waveguides with magnetic films: Tunable enhancements of 2nd and 4th harmonics. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 102404	3.4	17
131	Liquid crystal phase shifters at millimeter wave frequencies. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 054504	4.5	65
130	High frequency study of core-shell and uncoated Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07B542	2.5	1
129	Properties of molecular beam epitaxy grown Eux(transition metal)y films (transition metals: Mn, Cr). <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07E323	2.5	2
128	A broadband ferromagnetic resonance spectrometer to measure thin films up to 70 GHz. <i>Review of Scientific Instruments</i> , <b>2011</b> , 82, 095115	1.7	43

127	Dynamic and rotatable exchange anisotropy in Fe/KNiF <sub>3</sub> /FeF <sub>2</sub> trilayers. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 415003	3	4
126	Metallic surfaces as alignment layers for nondisplay applications of liquid crystals. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 073301	3-4	16
125	Nonlinear amplification and mixing of spin waves in a microstrip geometry with metallic ferromagnets. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 042505	3-4	34
124	Broad-band ferromagnetic resonance characterization of lossy ferromagnetic metallic elements. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 113906	2.5	1
123	Electronic structure, crystallographic, magnetic, and transport characterization of EuMn <sub>2</sub> films. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09E154	2.5	3
122	The effect of FeF <sub>2</sub> on the magneto-optic response in FeF <sub>2</sub> /Fe/FeF <sub>2</sub> sandwiches. <i>Journal Physics D: Applied Physics</i> , <b>2010</b> , 43, 155301	3	7
121	Spin wave resonance excitation in ferromagnetic films using planar waveguide structures. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 023907	2.5	32
120	Preparation and characterization of barium hexagonal ferrite thin films on a Pt template. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 073903	2.5	24
119	Injection locking of the gyrotropic vortex motion in a nanopillar. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 142503	3.4	24
118	Nonlinear ferromagnetic resonance in permalloy films: A nonmonotonic power-dependent frequency shift. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	34
117	Nonreciprocal microwave devices based on magnetic nanowires. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 202505	3.4	91
116	Gigahertz frequency tunable noise suppressor using nickel nanorod arrays and Permalloy films. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07A520	2.5	21
115	New alignment liquid crystal techniques for operation at harsh ambient conditions and high-intensity light <b>2009</b> ,		2
114	Evaluation of an electromagnetic microactuator using scanning Hall probe microscopy measurements. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07F119	2.5	1
113	Microstrip-Tunable Band-Pass Filter Using Ferrite (Nanoparticles) Coupled Lines. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 4226-4229	2	15
112	Effect of Temperature on the Ferromagnetic-Resonance Field and Line Width of Epitaxial Fe Thin Films. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 4015-4018	2	4
111	Microwave Magnetic Properties of NiFe Nanostrips. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 3550-3553	2	5
110	. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 4052-4055	2	11

109	High-frequency signal processing using magnetic layered structures. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 2048-2054	2.8	42
108	Magnetization dynamics in spin torque nano-oscillators: Vortex state versus uniform state. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	50
107	Size dependent microwave properties of ferrite nanoparticles: Application to microwave devices. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07B522	2.5	20
106	. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 4571-4577	2	10
105	Effect of cell size in calculating frequencies of magnetic modes using micromagnetics: Special role of the uniform mode. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	15
104	Permalloy films on patterned silicon substrates <b>2008</b> ,		1
103	Determination of exchange and rotational anisotropies in IrMnFe(t)IrMn exchange coupled structures using dynamic and static techniques: Application to microwave devices. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07C107	2.5	15
102	Realization of hexagonal barium ferrite thick films on Si substrates using a screen printing technique. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 095006	3	18
101	Magneto-optical AlN/Fe/AlN structures optimized for operation in the violet spectral region. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 155007	3	5
100	Europium Palladium intermetallic thin layers. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 315006	1.8	2
99	High-frequency characterization of Permalloy nanosized strips using network analyzer ferromagnetic resonance. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07C508	2.5	16
98	Variation in ferromagnetic domain density and domain asymmetry in Fe/FeF <sub>2</sub> exchange bias structures. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	8
97	On-wafer microwave signal-to-noise enhancer using NiFe films. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 022512	3.4	10
96	Integrated Electromagnetic Second Stage Microactuator for a Hard Disk Recording Head. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 3730-3733	2	7
95	Eu valence in ultra-thin layers of EuF <sub>3</sub> derived from photon energy dependent photoemission and photoabsorption. <i>Surface Science</i> , <b>2008</b> , 602, 1525-1531	1.8	6
94	Dynamic properties of arrays of ferromagnetic rectangular bars. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 09F516	2.5	11
93	Increasing Operational Frequency in Microwave Devices by Using [SmCo/NiFe] Multilayered Structures. <i>IEEE Transactions on Magnetics</i> , <b>2007</b> , 43, 2648-2650	2	9
92	. <i>IEEE Transactions on Magnetics</i> , <b>2007</b> , 43, 2645-2647	2	9

91	Ultrathin magnetic multilayer films for low-field microwave notch filters. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2007</b> , 25, 2603		3
90	Optimization of magneto-optical response of FeF <sub>2</sub> /BeF <sub>2</sub> sandwiches for microwave field detection. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 09C516	2.5	7
89	Effects of adjusting the position of the magnetic layer in magnetic notch filters. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 063907	2.5	19
88	Novel Planer Microwave Circuit Applications and Characterization of Ni Nanowires. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1058, 1		
87	Nickel nanowires for planer microwave circuit applications and characterization. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2007</b> , 25, 2619		23
86	Magnetization Relaxation in Sputtered Thin Fe Films: An FMR Study. <i>IEEE Transactions on Magnetics</i> , <b>2006</b> , 42, 2930-2932	2	13
85	Core-level in rare-earth metals and their trifluorides from exchange splitting photoemission and ground-state calculations. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	6
84	Iron-based microstrip band-stop filters at higher microwave frequency range: Design optimization using shape anisotropy. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08P512	2.5	20
83	Directional Permeability Dependence in Electroplated Permalloy Layers. <i>ECS Transactions</i> , <b>2006</b> , 3, 123-135		6
82	Extrinsic contribution to Gilbert damping in sputtered NiFe films by ferromagnetic resonance. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 286, 276-281	2.8	56
81	Resonance induced divalent Eu states in EuF <sub>3</sub> ultrathin layer. <i>Surface Science</i> , <b>2005</b> , 580, 163-166	1.8	5
80	High-frequency signal processing using ferromagnetic metals. <i>IEEE Transactions on Magnetics</i> , <b>2005</b> , 41, 3538-3543	2	32
79	High-frequency magnetic microstrip local bandpass filters. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 222506	3.4	46
78	Magnetically tunable micro-strip band-stop filter: Design optimization and characterization. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10Q103	2.5	20
77	Narrowing of the frequency-linewidth in structured magnetic strips: Experiment and theory. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 012502	3.4	43
76	Exchange bias system of Fe/KFeF <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 7309-7311	2.5	3
75	Thermal training of exchange bias in epitaxial Fe/KNiF <sub>3</sub> . <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	14
74	Rotatable anisotropy and mixed interfaces: Exchange bias in Fe/KNiF <sub>3</sub> . <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	28



73	Photoemission study of Eu valency in EuF <sub>3</sub> ultrathin buried layers and single crystals. <i>Physica Status Solidi (B): Basic Research</i> , <b>2004</b> , 241, R15-R18	1.3	15
72	Microstructure and magnetic properties of Fe/KCoF <sub>3</sub> thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E901-E903	2.8	1
71	Relaxation in epitaxial Fe films measured by ferromagnetic resonance. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 6610-6612	2.5	33
70	Effect of shape anisotropy on stop-band response of Fe and permalloy based tunable microstrip filters. <i>IEEE Transactions on Magnetics</i> , <b>2004</b> , 40, 2841-2843	2	19
69	Iron and Permalloy based magnetic monolithic tunable microwave devices. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 8591-8593	2.5	30
68	Thermally induced modification of GMR in Co/Cu multilayers: correlation among structural, transport, and magnetic properties. <i>Journal Physics D: Applied Physics</i> , <b>2003</b> , 36, 564-572	3	30
67	Micromagnetism of two-dimensional permalloy particles with different aspect ratios. <i>Applied Physics A: Materials Science and Processing</i> , <b>2003</b> , 76, 809-815	2.6	4
66	Tunable high-frequency band-stop magnetic filters. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 3969-3971	3.4	71
65	Exchange bias of NiO/NiFe: Linewidth broadening and anomalous spin-wave damping. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 7723-7725	2.5	63
64	Exchange bias in the Fe/KCoF <sub>3</sub> system: A comprehensive magnetometry study. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 6835-6837	2.5	10
63	Dynamic and static measurements on epitaxial Fe/Si/Fe. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2003</b> , 21, 1157-1161	2.9	0
62	Hexagonal lattice of 10-nm magnetic dots. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 7325-7327	2.5	13
61	Different dynamic and static magnetic anisotropy in thin Permalloy films. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 96-98	3.4	59
60	Variation of magnetization and the Landé factor with thickness in NiFe films. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 93-95	3.4	74
59	Correlation between microstructural and magnetic properties in Fe/KCoF <sub>3</sub> bilayers. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2003</b> , 21, 1162-1166	2.9	8
58	Cryogenic pulsed inductive microwave magnetometer. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 7068-7070	2.5	5
57	Proximity effects at epitaxial Co/FeMn thin film systems (invited). <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 6504-6506	2.5	11
56	Ferromagnetic resonance study of interface anisotropies in exchange-biased Fe(0 0 1)/KNiF <sub>3</sub> bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 240, 270-272	2.8	3



55	Exchange bias and anisotropy in the Fe/KCoF3 structure. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 240, 261-263	2.8	3
54	Annealing effects and degradation mechanism of NiFe/Cu GMR multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 247, 62-69	2.8	37
53	Temperature dependence of anisotropy in exchange biased Fe/KCoF3 system. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 7242	2.5	4
52	Size dependence of magnetic domain patterns in exchange-biased Permalloy/NiO microstructures. <i>Journal Physics D: Applied Physics</i> , <b>2002</b> , 35, 2472-2478	3	8
51	Thermal stability and degradation mechanism of NiFe/Cu giant magnetoresistance multilayer systems. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 7203	2.5	9
50	Thermally activated deterioration processes in Co/Cu GMR multilayers. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 7113-7115	2.5	9
49	Exchange bias in Fe/KNiF3 bilayers. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 7555-7557	2.5	3
48	Incorporation of ferromagnetic metallic films in planar transmission lines for microwave device applications. <i>IEEE Transactions on Magnetics</i> , <b>2001</b> , 37, 2392-2394	2	21
47	Molecular beam epitaxy system at an undergraduate institution. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2001</b> , 19, 383-385	2.9	8
46	High attenuation tunable microwave notch filters utilizing ferromagnetic resonance. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 6911-6913	2.5	67
45	Influence of the interface morphology on the exchange coupling in Fe/Pd/Fe(0 0 1) structures. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 198-199, 418-420	2.8	3
44	Exchange biasing in ferromagnet/antiferromagnet Fe/KMnF3. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 202, 480-484	2.8	3
43	Using ferromagnetic resonance to measure the magnetic moments of ultrathin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1997</b> , 166, 6-26	2.8	105
42	Dielectric tensor characterization of Mn0.53Bi0.47 and Mn0.52Bi0.44Sb0.04 films. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 6200	2.5	3
41	Element specific imaging of magnetic domains in multicomponent thin film systems. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1996</b> , 162, 7-20	2.8	17
40	MBE growth and FMR, BLS and MOKE studies of exchange coupling in Fe whisker/Cr/Fe(001) and in Fe/Cu/Fe(001) [bose spin]structures. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 545-548	2.8	19
39	Enhanced magnetic moments in epitaxial bcc Fe/Ag(001) films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 148, 85-87	2.8	8
38	The temperature dependence of the bilinear and biquadratic exchange coupling in Fe/Cu, Ag/Fe(001) structures. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 145, L1-L5	2.8	39

37	Mössbauer investigation of the growth of the Fe multilayer in Fe(100)/Ag(100) structures. <i>Physical Review B</i> , <b>1995</b> , 51, 2506-2514	3.3	66
36	Structure and magnetism of epitaxially strained Pd(001) films on Fe(001): Experiment and theory. <i>Physical Review B</i> , <b>1995</b> , 51, 6364-6378	3.3	84
35	Enhanced magnetic moments in bcc Fe films. <i>Physical Review B</i> , <b>1995</b> , 51, 258-272	3.3	49
34	Magneto-optical properties of MnBi/sub 1-x/Sb/sub x/ films. <i>IEEE Transactions on Magnetics</i> , <b>1995</b> , 31, 3233-3238	2	5
33	Magneto-dichroic effects in energy- and angle-resolved photoemission: contrast mechanisms for the elementally sensitive imaging of magnetic domains. <i>Journal of Physics Condensed Matter</i> , <b>1994</b> , 6, 1177-1182	1.8	18
32	Mössbauer investigation of the magnetic hyperfine field distribution in Fe(100)/Ag(100) structures. <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 5583-5585	2.5	3
31	Loose spins in Fe/Cu/Fe(001) structures. <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 6187-6189	2.5	10
30	Mössbauer-effect investigation of the Fe(001)/Ag(001) interface. <i>Physical Review B</i> , <b>1993</b> , 48, 2577-2582	3.3	26
29	Analysis of bilinear and biquadratic exchange coupling in Fe/Ag/Fe(001) trilayers. <i>Journal of Applied Physics</i> , <b>1993</b> , 73, 5966-5968	2.5	43
28	Bilinear and biquadratic exchange coupling in bcc Fe/Cu/Fe trilayers: Ferromagnetic-resonance and surface magneto-optical Kerr-effect studies. <i>Physical Review B</i> , <b>1993</b> , 47, 5077-5089	3.3	87
27	Investigation of the dependence of BLS frequencies on angle of incidence for thin iron films. <i>Journal of Applied Physics</i> , <b>1993</b> , 73, 6754-6756	2.5	2
26	Studies of Exchange Coupling in Fe(001) Whisker/Cr/Fe Structures Using bls and Rheed Techniques.. <i>Materials Research Society Symposia Proceedings</i> , <b>1993</b> , 313, 119		15
25	Magnetization Loops in Fe/Ag/Fe/Ni(001) Structures. <i>Materials Research Society Symposia Proceedings</i> , <b>1993</b> , 313, 485		7
24	Diffuse polarised neutron reflection studies of ultrathin bcc Fe(001) epitaxial films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1993</b> , 121, 189-193	2.8	15
23	Bilinear and Biquadratic Exchange Coupling in BCC Fe/Cu/Fe Trilayers. Exchange Coupling in Fe Whisker/Cr/Fe(001) Structures. <i>NATO ASI Series Series B: Physics</i> , <b>1993</b> , 175-193		4
22	FMR and SMOKE Studies of Bilinear and Biquadratic Exchange Coupling in BCC Fe/Cu,Ag/Fe Trilayers. The Effect of In-Plane Four-Fold Anisotropies on Magnetization Reversal <b>1993</b> , 33-48		
21	Magneto-optic response in ultrathin Ni <sub>2</sub> Fe bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 1837-1839	2.8	18
20	Spin polarised neutron reflection studies of ultrathin magnetic films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 1909-1912	2.8	24

19	Exchange coupling in Fe/Cu, Pd, Ag, Au/Fe trilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1991</b> , 99, L25-L30	2.8	136
18	The growth of metastable bcc Cu(001) and lattice expanded Pd(001) and magnetic coupling in Fe/Cu/Fe and Fe/Pd/Fe trilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1991</b> , 93, 75-79	2.8	24
17	Observation of the exchange-coupled modes in Fe(001)/Pd/Fe(001) ultrathin trilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1991</b> , 93, 229-232	2.8	16
16	Magnetic properties of ultrathin bcc Fe(001) films grown epitaxially on Ag(001) substrates. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1991</b> , 93, 331-335	2.8	26
15	Magnetic properties of MBE structures using fcc Co/Cu(001) and bcc Fe/Cu(001) (abstract). <i>Journal of Applied Physics</i> , <b>1991</b> , 69, 5217-5217	2.5	8
14	Ferromagnetic and antiferromagnetic exchange coupling in ultrathin Fe(001)/Pd(001)/Fe(001) structures. <i>Journal of Applied Physics</i> , <b>1991</b> , 70, 5870-5872	2.5	26
13	Magnetic anisotropies in ultrathin fcc Fe(001) films grown on Cu(001) substrates. <i>Journal of Applied Physics</i> , <b>1991</b> , 69, 5206-5208	2.5	14
12	Ferromagnetic resonance linewidth of Fe ultrathin films grown on a bcc Cu substrate. <i>Journal of Applied Physics</i> , <b>1991</b> , 70, 5935-5937	2.5	116
11	Magnetic anisotropies and exchange coupling in ultrathin fcc Co(001) structures. <i>Physical Review B</i> , <b>1991</b> , 44, 9348-9361	3.3	295
10	Magnetic anisotropies in single and multilayered structures (invited). <i>Journal of Applied Physics</i> , <b>1991</b> , 70, 5769-5774	2.5	101
9	Growth and Magnetic Properties of Metastable Structures. <i>NATO ASI Series Series B: Physics</i> , <b>1991</b> , 15-24		5
8	Ferromagnetic Resonance Studies of BCC Epitaxial Ultrathin Fe(001)/Cu(001) Bilayers and Fe(001)/Cu(001)/Fe(001) Trilayers. <i>NATO ASI Series Series B: Physics</i> , <b>1991</b> , 77-80		1
7	Growth and magnetic studies of lattice expanded Pd in ultrathin Fe(001)/Pd(001)/Fe(001) structures. <i>Physical Review Letters</i> , <b>1990</b> , 65, 1156-1159	7.4	141
6	Brillouin light-scattering experiments on exchange-coupled ultrathin bilayers of iron separated by epitaxial copper (001). <i>Physical Review B</i> , <b>1990</b> , 42, 508-521	3.3	109
5	Surface magneto-optical Kerr effect for ultrathin Ni-Fe bilayers. <i>Journal of Applied Physics</i> , <b>1990</b> , 67, 4448-4450	2.8	28
4	Ferromagnetic and antiferromagnetic exchange coupling in bcc epitaxial ultrathin Fe(001)/Cu(001)Fe(001) trilayers. <i>Physical Review Letters</i> , <b>1990</b> , 64, 673-676	7.4	233
3	In-Situ Techniques for Studying Epitaxially Grown Layers and Determining their Magnetic Properties. <i>Materials Research Society Symposia Proceedings</i> , <b>1989</b> , 151, 177		28
2	Investigations on magnetically diluted KNi <sub>x</sub> Mg <sub>1-x</sub> F <sub>3</sub> perovskite solid solution. <i>Physica Status Solidi A</i> , <b>1988</b> , 105, 567-572		3

- 1 Preparation, structure and magnetic properties of  $(\text{Cd}_{1-x}\text{Mn}_x)_3\text{As}_2$  crystals. *Materials Research Bulletin*, **1987**, 22, 419-426

5.1 9