

# Ivan K Schuller

## List of Publications by Year in Descending Order

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

219 papers	13,584 citations	48 h-index	114 g-index
233 ext. papers	14,761 ext. citations	5.2 avg, IF	6.38 L-index

#	Paper	IF	Citations
219	Photovoltaic sensing of a memristor based in LSMO/BTO/ITO ferroionic tunnel junctions. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 034101	3.4	0
218	Emergence of exchange bias and giant coercive field enhancement by internal magnetic frustration in La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2022</b> , 550, 169077	2.8	0
217	Determining the Oxygen Stoichiometry of Cobaltite Thin Films. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 2076-2084	3.4	0
216	Imaging the itinerant-to-localized transmutation of electrons across the metal-to-insulator transition in VO. <i>Science Advances</i> , <b>2021</b> , 7, eabj1164	14.3	1
215	Energy-efficient Mott activation neuron for full-hardware implementation of neural networks. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 680-687	28.7	22
214	Quantum Sensing of Insulator-to-Metal Transitions in a Mott Insulator. <i>Advanced Quantum Technologies</i> , <b>2021</b> , 4, 2000142	4.3	2
213	A hybrid optoelectronic Mott insulator. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 141901	3.4	1
212	Switchable Optically Active Schottky Barrier in La <sub>0.75</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /BaTiO <sub>3</sub> /ITO Ferroelectric Tunnel Junction. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2100069	6.4	3
211	Cation and anion topotactic transformations in cobaltite thin films leading to Ruddlesden-Popper phases. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	1
210	A quantum material spintronic resonator. <i>Scientific Reports</i> , <b>2021</b> , 11, 15082	4.9	0
209	Controlling Metal-Insulator Transitions in Vanadium Oxide Thin Films by Modifying Oxygen Stoichiometry. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 887-896	9.5	7
208	Driving magnetic domains at the nanoscale by interfacial strain-induced proximity. <i>Nanoscale</i> , <b>2021</b> , 13, 4985-4994	7.7	0
207	characterization of conductive filaments during resistive switching in Mott VO. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
206	Spatiotemporal characterization of the field-induced insulator-to-metal transition. <i>Science</i> , <b>2021</b> , 373, 907-911	33.3	14
205	Inherent stochasticity during insulator-metal transition in VO. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
204	Transverse barrier formation by electrical triggering of a metal-to-insulator transition. <i>Nature Communications</i> , <b>2021</b> , 12, 5499	17.4	2
203	Wireless Force-Inducing Neuronal Stimulation Mediated by High Magnetic Moment Microdiscs. <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2101826	10.1	0

202	Hydrostatic pressure mapping of barium titanate phase transitions with quenched FeRh. <i>Scientific Reports</i> , <b>2020</b> , 10, 6312	4.9	4
201	Magnetic field frustration of the metal-insulator transition in V2O3. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	5
200	Non-thermal resistive switching in Mott insulator nanowires. <i>Nature Communications</i> , <b>2020</b> , 11, 2985	17.4	30
199	A caloritronics-based Mott neuristor. <i>Scientific Reports</i> , <b>2020</b> , 10, 4292	4.9	20
198	Superconductivity found in meteorites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 7645-7649	11.5	18
197	Temperature trends and correlation between SQUID superparamagnetic relaxometry and dc-magnetization on model iron-oxide nanoparticles. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 044304	2.5	2
196	Organismic materials for beyond von Neumann machines. <i>Applied Physics Reviews</i> , <b>2020</b> , 7, 011309	17.3	12
195	Emerging Magnetic Interactions in van der Waals Heterostructures. <i>Nano Letters</i> , <b>2020</b> , 20, 7852-7859	11.5	2
194	Helical spin structure in iron chains with hybridized boundaries. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 213105	3.4	1
193	Nanoscale Imaging and Control of Volatile and Non-Volatile Resistive Switching in VO. <i>Small</i> , <b>2020</b> , 16, e2005439	11	8
192	Nanoimaging of Electrical Failure in VO2 Resistive-Switching Nanodevices. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 2357-2362	4	1
191	Acoustoelectric drag current in vanadium oxide films. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 155104	2.5	1
190	Percolation and nanosecond fluctuators in V2O3 films within the metal-insulator transition. <i>APL Materials</i> , <b>2020</b> , 8, 101103	5.7	0
189	Structural Manipulation of Phase Transitions by Self-Induced Strain in Geometrically Confined Thin Films. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2005939	15.6	6
188	Enhanced positive and negative exchange bias in FeF2/Ni with dusted interfaces. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 092401	3.4	0
187	Ultradense Arrays of Sub-100 nm Co/CoO Nanodisks for Spintronics Applications. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 4037-4044	5.6	4
186	Chiral symmetry and scale invariance breaking in spin chains. <i>AIP Advances</i> , <b>2020</b> , 10, 025215	1.5	3
185	Robust Coupling between Structural and Electronic Transitions in a Mott Material. <i>Physical Review Letters</i> , <b>2019</b> , 122, 057601	7.4	27

184	Thermally Reconfigurable Meta-Optics. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-16	1.8	8
183	Subthreshold firing in Mott nanodevices. <i>Nature</i> , <b>2019</b> , 569, 388-392	50.4	75
182	Giant nonvolatile resistive switching in a Mott oxide and ferroelectric hybrid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 8798-8802	11.5	21
181	Intertwined magnetic, structural, and electronic transitions in V <sub>2</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	4
180	Coexistence of multiphase superconductivity and ferromagnetism in lithiated iron selenide hydroxide [(Li <sub>1-x</sub> Fe <sub>x</sub> )OH]FeSe. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	1
179	Criticality in the Brain: Evidence and Implications for Neuromorphic Computing. <i>ACS Chemical Neuroscience</i> , <b>2018</b> , 9, 1254-1258	5.7	4
178	Enhanced metal-insulator transition in V <sub>2</sub> O <sub>3</sub> by thermal quenching after growth. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 9131-9137	4.3	21
177	Switchable Plasmonic Dielectric Resonators with Metal-Insulator Transitions. <i>ACS Photonics</i> , <b>2018</b> , 5, 371-377	6.3	50
176	Resistive asymmetry due to spatial confinement in first-order phase transitions. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	4
175	Challenges in materials and devices for resistive-switching-based neuromorphic computing. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 211101	2.5	92
174	Origin of the current-driven breakdown in vanadium oxides: Thermal versus electronic. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	17
173	Preface to Special Topic: New Physics and Materials for Neuromorphic Computation. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 151801	2.5	7
172	Broadband Electrically Tunable Dielectric Resonators Using Metal-Insulator Transitions. <i>ACS Photonics</i> , <b>2018</b> , 5, 4056-4060	6.3	33
171	Nonequilibrium Phase Precursors during a Photoexcited Insulator-to-Metal Transition in V <sub>2</sub> O <sub>3</sub> . <i>Physical Review Letters</i> , <b>2018</b> , 120, 207601	7.4	26
170	Search for New Superconductors: an Electro-Magnetic Phase Transition in an Iron Meteorite Inclusion at 117 K. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2017</b> , 30, 297-304	1.5	4
169	Dipole-induced exchange bias. <i>Nanoscale</i> , <b>2017</b> , 9, 17074-17079	7.7	7
168	Growth-Induced In-Plane Uniaxial Anisotropy in VO/Ni Films. <i>Scientific Reports</i> , <b>2017</b> , 7, 13471	4.9	8
167	Ultrafast electron-lattice coupling dynamics in VO <sub>2</sub> and V <sub>2</sub> O <sub>3</sub> thin films. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	21

166	Irreversible metal-insulator transition in thin film VO <sub>2</sub> induced by soft X-ray irradiation. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 241605	3.4	2
165	Electrically Induced Multiple Metal-Insulator Transitions in Oxide Nanodevices. <i>Physical Review Applied</i> , <b>2017</b> , 8,	4.3	32
164	Interface-Induced Phenomena in Magnetism. <i>Reviews of Modern Physics</i> , <b>2017</b> , 89,	40.5	475
163	Deviation from bulk in the pressure-temperature phase diagram of V <sub>2</sub> O <sub>3</sub> thin films. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	21
162	Nanotextured phase coexistence in the correlated insulator V <sub>2</sub> O <sub>3</sub> . <i>Nature Physics</i> , <b>2017</b> , 13, 80-86	16.2	123
161	Collective mode splitting in hybrid heterostructures. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	2
160	Control of the Magnetic Configuration of Ferromagnetic Nanostructures Across the Structural Phase Transition of Vanadium Dioxide. <i>IEEE Magnetics Letters</i> , <b>2016</b> , 7, 1-4	1.6	1
159	Exchange-bias phenomenon: the role of the ferromagnetic spin structure. <i>Physical Review Letters</i> , <b>2015</b> , 114, 097202	7.4	54
158	Detection of in-depth helical spin structures by planar Hall effect. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 252404	3.4	5
157	Mesoscopic magnetism and superconductivity. <i>MRS Bulletin</i> , <b>2015</b> , 40, 925-932	3.2	6
156	Effect of disorder on the metal-insulator transition of vanadium oxides: Local versus global effects. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	44
155	Quadrupolar XMCD at the Fe K-edge in Fe phthalocyanine film on Au: Insight into the magnetic ground state. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	7
154	Dynamic conductivity scaling in photoexcited V <sub>2</sub> O <sub>3</sub> thin films. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	31
153	Avalanches in vanadium sesquioxide nanodevices. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	7
152	Enhancements of pinning by superconducting nanoarrays. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	4
151	Cobalt phthalocyanine-based submicrometric field-effect transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2015</b> , 212, 607-611	1.6	1
150	Manipulation of competing ferromagnetic and antiferromagnetic domains in exchange-biased nanostructures. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	8
149	Antiferromagnetic/ferromagnetic nanostructures for multidigit storage units. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 032401	3.4	20

148	Exchange bias: The antiferromagnetic bulk matters. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 072403	3.4	17
147	Magnetic field modulated microwave spectroscopy across phase transitions and the search for new superconductors. <i>Reports on Progress in Physics</i> , <b>2014</b> , 77, 093902	14.4	11
146	Study of Co-phthalocyanine films by surface plasmon resonance spectroscopy. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 103106	2.5	3
145	Search for superconductivity in micrometeorites. <i>Scientific Reports</i> , <b>2014</b> , 4, 7333	4.9	5
144	Resolving transitions in the mesoscale domain configuration in VO <sub>2</sub> using laser speckle pattern analysis. <i>Scientific Reports</i> , <b>2014</b> , 4, 6259	4.9	5
143	Charge injection across a metal-organic interface suppressed by thermal diffusion. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 043301	3.4	
142	Coupling of magnetism and structural phase transitions by interfacial strain. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 2353-2365	2.5	23
141	X-ray-induced persistent photoconductivity in vanadium dioxide. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	13
140	Microscopy image segmentation tool: robust image data analysis. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 033701	1.7	9
139	Coercivity enhancement in V <sub>2</sub> O <sub>3</sub> /Ni bilayers driven by nanoscale phase coexistence. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 062410	3.4	33
138	Magnetism of Metal Phthalocyanines. <i>Nanoscience and Technology</i> , <b>2014</b> , 221-245	0.6	18
137	Electronic structure differences between H(2)-, Fe-, Co-, and Cu-phthalocyanine highly oriented thin films observed using NEXAFS spectroscopy. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 034701	3.9	21
136	Spin valve effect across the metal-insulator transition in V <sub>2</sub> O <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 143901	2.5	4
135	Ultra-thin filaments revealed by the dielectric response across the metal-insulator transition in VO <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2013</b> , 102, 063110	3.4	18
134	Control of magnetism across metal to insulator transitions. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 122404	3.4	32
133	Ferromagnetism in partially oxidized CuCl. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 346, 161-165	1.65	6
132	Shearing transition in a superconducting vortex lattice subject to periodic pinning. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	3
131	Highly effective superconducting vortex pinning in conformal crystals. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 252602	3.4	34

130	Role of thermal heating on the voltage induced insulator-metal transition in VO <sub>2</sub> . <i>Physical Review Letters</i> , <b>2013</b> , 110, 056601	7.4	178
129	Electrical breakdown in a V <sub>2</sub> O <sub>3</sub> device at the insulator-to-metal transition. <i>Europhysics Letters</i> , <b>2013</b> , 101, 57003	1.6	30
128	Deconvoluting reversal modes in exchange-biased nanodots. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	13
127	Superconducting Vortex Pinning with Magnetic Dots: Does Size and Magnetic Configuration Matter?. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2012</b> , 25, 2187-2191	1.5	8
126	Advice for My Younger Colleagues. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2012</b> , 25, 2119-2120	1.5	8
125	Substrate-controlled ferromagnetism in iron phthalocyanine films due to one-dimensional iron chains. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	26
124	Spin-dependent Seebeck effect in non-local spin valve devices. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 212401	3.4	47
123	Exchange bias induced by the Fe <sub>3</sub> O <sub>4</sub> Verwey transition. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	22
122	The role of micro-shorts and electrode-film interface in the electrical transport of ultra-thin metallophthalocyanine capacitive devices. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 133304	3.4	8
121	Interaction-induced anisotropy in the onion-to-vortex transition in dense ferromagnetic nano-ring arrays. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 103903	2.5	3
120	Magnetic pinning of flux lattice in superconducting-nanomagnet hybrids. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 182509	3.4	4
119	Vortex ratchet reversal: Role of interstitial vortices. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	17
118	Asymmetric magnetic dots: A way to control magnetic properties. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 073907	2.5	21
117	Exponential behavior of the Ohmic transport in organic films. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	10
116	Methodology and search for superconductivity in the La <sub>1-x</sub> Bi <sub>x</sub> system. <i>Superconductor Science and Technology</i> , <b>2011</b> , 24, 075017	3.1	6
115	Enhanced superconducting vortex pinning with disordered nanomagnetic arrays. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	21
114	Uncompensated moments in antiferromagnets: Origin, properties and role in exchange bias <b>2010</b> ,		1
113	Surface enhanced spin-flip scattering in lateral spin valves. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 022513	3.4	47

112	Development of vortex state in circular magnetic nanodots: Theory and experiment. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	34
111	Control of magnetic properties in metallo-organic thin films. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 5032-5035	4-5	14
110	Rocking ratchet induced by pure magnetic potentials with broken reflection symmetry. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	14
109	Anomalous, hysteretic, transverse magnetoresistance in superconducting thin films with magnetic vortex arrays. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 252507	3-4	6
108	Ambient induced degradation and chemically activated recovery in copper phthalocyanine thin film transistors. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 034505	2-5	23
107	Three-dimensional spin structure in exchange-biased antiferromagnetic/ferromagnetic thin films. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 092503	3-4	22
106	First-order reversal curve measurements of the metal-insulator transition in VO <sub>2</sub> : Signatures of persistent metallic domains. <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	69
105	Angular dependence of vortex-annihilation fields in asymmetric cobalt dots. <i>Physical Review B</i> , <b>2009</b> , 80,	3-3	39
104	Relevance of length scales in exchange biased submicron dots. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 142503	3-4	12
103	Antiferromagnetic domain size and exchange bias. <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	21
102	Temperature and angular dependences of dynamic spin-polarized resonant tunneling in CoFeB/MgO/NiFe junctions. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07A904	2-5	10
101	Bilayer processing for an enhanced organic-electrode contact in ultrathin bottom contact organic transistors. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 193311	3-4	23
100	Switchable collective pinning of flux quanta using magnetic vortex arrays: Experiments on square arrays of Co dots on thin superconducting films. <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	22
99	Multiple avalanches across the metal-insulator transition of vanadium oxide nanoscaled junctions. <i>Physical Review Letters</i> , <b>2008</b> , 101, 026404	7-4	105
98	Pinned magnetization in the antiferromagnet and ferromagnet of an exchange bias system. <i>Physical Review B</i> , <b>2007</b> , 75,	3-3	96
97	Ultrathin organic transistors for chemical sensing. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 263506	3-4	89
96	Time-Dependent Ginzburg-Landau: From Single Particle to Collective Behavior. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2007</b> , 19, 401-407	1-5	6
95	Irreversibility of magnetization rotation in exchange biased Fe/epitaxial-FeF <sub>2</sub> thin films. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 032510	3-4	19



94	Temperature induced single domain vortex state transition in sub-100nm Fe nanodots. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 202501	3-4	59
93	Magnetic fingerprints of sub-100nm Fe dots. <i>Physical Review B</i> , <b>2007</b> , 75,	3-3	112
92	Bistability in a superconducting Al thin film induced by arrays of Fe-nanodot magnetic vortices. <i>Physical Review Letters</i> , <b>2007</b> , 99, 227001	7-4	37
91	Impact of interfacial roughness on tunneling conductance and extracted barrier parameters. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 043513	3-4	37
90	Direct observation of cooperative effects in capillary condensation: The hysteretic origin. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 243103	3-4	38
89	Combined neutron and synchrotron studies of magnetic films <b>2006</b> , 67, 47-55		1
88	Anomalous spontaneous reversal in magnetic heterostructures. <i>Physical Review Letters</i> , <b>2006</b> , 96, 137201	1-4	27
87	Angular dependence of exchange anisotropy on the cooling field in ferromagnet/fluoride thin films. <i>Physical Review B</i> , <b>2006</b> , 73,	3-3	18
86	Fabrication and structural characterization of highly ordered sub-100-nm planar magnetic nanodot arrays over 1cm <sup>2</sup> coverage area. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 074318	2-5	39
85	Magnetization reversal of uncompensated Fe moments in exchange biased NiFeF <sub>2</sub> bilayers. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 072503	3-4	31
84	Vortex state and effect of anisotropy in sub-100-nm magnetic nanodots. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 104319	2-5	59
83	Magnetization depth dependence in exchange biased thin films. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 072504	3-4	31
82	Quantitative structural analysis of organic thin films: An x-ray diffraction study. <i>Physical Review B</i> , <b>2005</b> , 72,	3-3	53
81	Loop bifurcation and magnetization rotation in exchange-biased NiFeF <sub>2</sub> . <i>Physical Review B</i> , <b>2005</b> , 72,	3-3	24
80	Vortex-lattice dynamics with channeled pinning potential landscapes. <i>Physical Review B</i> , <b>2005</b> , 72,	3-3	23
79	Detailed structural analysis of epitaxial MBE-grown Fe/Cr superlattices by x-ray diffraction and transmission-electron spectroscopy. <i>Physical Review B</i> , <b>2005</b> , 71,	3-3	2
78	Time domain dynamics of the asymmetric magnetization reversal in exchange biased bilayers. <i>Physical Review B</i> , <b>2005</b> , 71,	3-3	10
77	Bidomain state in exchange biased FeF <sub>2</sub> /Ni. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 222509	3-4	51

76	Magnetoresistance of mechanically stable Co nanoconstrictions. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	18
75	Changes in ferromagnetic spin structure induced by exchange bias in Fe/MnF <sub>2</sub> films. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	36
74	Mechanisms of periodic pinning in superconducting thin films. <i>European Physical Journal B</i> , <b>2004</b> , 40, 459-462	1.2	8
73	Ordered magnetic nanostructures: fabrication and properties. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 256, 449-501	2.8	801
72	Directional vortex motion guided by artificially induced mesoscopic potentials. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	52
71	Relaxation times in exchange-biased nanostructures. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 332-334	3.4	16
70	Origin of complex exchange anisotropy in Fe/MnF <sub>2</sub> bilayers. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	36
69	Fabrication and thermal stability of arrays of Fe nanodots. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 4434-4436	3.4	103
68	Influence of in-plane crystalline quality of an antiferromagnet on perpendicular exchange coupling and exchange bias. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	57
67	Relation between exchange anisotropy and magnetization reversal asymmetry in Fe/MnF <sub>2</sub> bilayers. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	65
66	Upper bound for the magnetic proximity effect extracted from Brillouin light scattering. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	7
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50	Using magnetoresistance to probe reversal asymmetry in exchange biased bilayers. <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 344-347	2.5	47
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46	Role of interfacial structure on exchange-biased FeF <sub>2</sub> /Fe. <i>Physical Review B</i> , <b>1999</b> , 59, 6984-6993	3.3	137
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43	Tuning exchange bias. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 2304-2306	3.4	104
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41	Persistent Photoconductivity in High-T <sub>c</sub> Superconductors. <i>ACS Symposium Series</i> , <b>1999</b> , 216-229	0.4	1

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