

# J M De Teresa

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2186823/j-m-de-teresa-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.

213  
papers

9,236  
citations

47  
h-index

89  
g-index

224  
ext. papers

9,987  
ext. citations

4.5  
avg, IF

5.7  
L-index

#	Paper	IF	Citations
213	Magnetic Functionalization of Scanning Probes by Focused Electron Beam Induced Deposition Technology. <i>Magnetochemistry</i> , <b>2021</b> , 7, 140	3.1	2
212	Cryo-Focused Ion Beam-Induced Deposition of Tungsten-Carbon Nanostructures Using a Thermoelectric Plate. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10123	2.6	0
211	Superconducting properties of in-plane W-C nanowires grown by He focused ion beam induced deposition. <i>Nanotechnology</i> , <b>2021</b> , 32, 085301	3.4	3
210	Omnipresence of Weak Antilocalization (WAL) in BiSe Thin Films: A Review on Its Origin. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	6
209	Focused-Electron-Beam Engineering of 3D Magnetic Nanowires. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
208	Critical current modulation induced by an electric field in superconducting tungsten-carbon nanowires. <i>Scientific Reports</i> , <b>2021</b> , 11, 17698	4.9	3
207	Highly-efficient growth of cobalt nanostructures using focused ion beam induced deposition under cryogenic conditions: application to electrical contacts on graphene, magnetism and hard masking. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 5656-5662	5.1	1
206	Topotactic transformation in SrFeO <sub>3</sub> triggered by low-dose Ga <sup>+</sup> focused ion irradiation. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 163103	3.4	3
205	Half-hedgehog spin textures in sub-100 nm soft magnetic nanodots. <i>Nanoscale</i> , <b>2020</b> , 12, 18646-18653	7.7	11
204	Artificial Double-Helix for Geometrical Control of Magnetic Chirality. <i>ACS Nano</i> , <b>2020</b> , 14, 8084-8092	16.7	30
203	Customized MFM probes based on magnetic nanorods. <i>Nanoscale</i> , <b>2020</b> , 12, 10090-10097	7.7	17
202	Disordered hyperuniformity in superconducting vortex lattices. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	2
201	Optimization of Pt-C Deposits by Cryo-FIBID: Substantial Growth Rate Increase and Quasi-Metallic Behaviour. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	5
200	Writing 3D Nanomagnets Using Focused Electron Beams. <i>Materials</i> , <b>2020</b> , 13,	3.5	33
199	3D superconducting hollow nanowires with tailored diameters grown by focused He beam direct writing. <i>Beilstein Journal of Nanotechnology</i> , <b>2020</b> , 11, 1198-1206	3	3
198	Nanowire Magnetic Force Sensors Fabricated by Focused-Electron-Beam-Induced Deposition. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	11
197	Mass Sensing for the Advanced Fabrication of Nanomechanical Resonators. <i>Nano Letters</i> , <b>2019</b> , 19, 6987-6992	16.9	11

196	Long-range vortex transfer in superconducting nanowires. <i>Scientific Reports</i> , <b>2019</b> , 9, 12386	4.9	10
195	Ultra-fast direct growth of metallic micro- and nano-structures by focused ion beam irradiation. <i>Scientific Reports</i> , <b>2019</b> , 9, 14076	4.9	16
194	In situ real-time annealing of ultrathin vertical Fe nanowires grown by focused electron beam induced deposition. <i>Acta Materialia</i> , <b>2019</b> , 174, 379-386	8.4	13
193	Diameter modulation of 3D nanostructures in focused electron beam induced deposition using local electric fields and beam defocus. <i>Nanotechnology</i> , <b>2019</b> , 30, 505302	3.4	9
192	Three-Dimensional Superconducting Nanohelices Grown by He-Focused-Ion-Beam Direct Writing. <i>Nano Letters</i> , <b>2019</b> , 19, 8597-8604	11.5	28
191	Comparison between Focused Electron/Ion Beam-Induced Deposition at Room Temperature and under Cryogenic Conditions. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	11
190	High Volume-Per-Dose and Low Resistivity of Cobalt Nanowires Grown by Ga Focused Ion Beam Induced Deposition. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	6
189	Vertical Growth of Superconducting Crystalline Hollow Nanowires by He Focused Ion Beam Induced Deposition. <i>Nano Letters</i> , <b>2018</b> , 18, 1379-1386	11.5	46
188	Chemical and structural analysis of sub-20nm graphene patterns generated by scanning probe lithography. <i>Carbon</i> , <b>2018</b> , 129, 281-285	10.4	12
187	Purified and Crystalline Three-Dimensional Electron-Beam-Induced Deposits: The Successful Case of Cobalt for High-Performance Magnetic Nanowires. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 38-46	5.6	20
186	Transmission XMCD-PEEM imaging of an engineered vertical FEBID cobalt nanowire with a domain wall. <i>Nanotechnology</i> , <b>2018</b> , 29, 045704	3.4	15
185	NanoSQUID Magnetometry on Individual As-grown and Annealed Co Nanowires at Variable Temperature. <i>Nano Letters</i> , <b>2018</b> , 18, 7674-7682	11.5	22
184	Hybrid TiO <sub>2</sub> -Graphene nanoribbon photoanodes to improve the photoconversion efficiency of dye sensitized solar cells. <i>Journal of Power Sources</i> , <b>2018</b> , 396, 566-573	8.9	28
183	Proximity-induced superconductivity in bismuth nanostripes. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 12LT02	3	3
182	Mn NMR observation of colossal magnetoresistance effect in SmSrMnO. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 265802	1.8	1
181	Tuning shape, composition and magnetization of 3D cobalt nanowires grown by focused electron beam induced deposition (FEBID). <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 18LT01	3	41
180	All-Carbon Electrode Molecular Electronic Devices Based on Langmuir-Blodgett Monolayers. <i>Small</i> , <b>2017</b> , 13, 1603207	11	13
179	Magnetic properties of optimized cobalt nanospheres grown by focused electron beam induced deposition (FEBID) on cantilever tips. <i>Beilstein Journal of Nanotechnology</i> , <b>2017</b> , 8, 2106-2115	3	16

178	Suspended tungsten-based nanowires with enhanced mechanical properties grown by focused ion beam induced deposition. <i>Nanotechnology</i> , <b>2017</b> , 28, 445301	3.4	7
177	Competition between Superconductor - Ferromagnetic stray magnetic fields in YBaCuO films pierced with Co nano-rods. <i>Scientific Reports</i> , <b>2017</b> , 7, 5663	4.9	18
176	Functionalized Akiyama tips for magnetic force microscopy measurements. <i>Measurement Science and Technology</i> , <b>2017</b> , 28, 125401	2	12
175	Structurally Oriented Nano-Sheets in Co Thin Films: Changing Their Anisotropic Physical Properties by Thermally-Induced Relaxation. <i>Materials</i> , <b>2017</b> , 10,	3.5	4
174	Chemical solution synthesis and ferromagnetic resonance of epitaxial thin films of yttrium iron garnet. <i>Physical Review Materials</i> , <b>2017</b> , 1,	3.2	10
173	In Situ Lorentz Microscopy and Electron Holography Magnetization Studies of Ferromagnetic Focused Electron Beam Induced Nanodeposits <b>2017</b> , 305-338		
172	Three-dimensional core-shell ferromagnetic nanowires fabricated by focused electron beam induced deposition <b>2016</b> , 1018-1019		
171	Origin of inverse Rashba-Edelstein effect detected at the Cu/Bi interface using lateral spin valves. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	69
170	Three-dimensional core-shell ferromagnetic nanowires grown by focused electron beam induced deposition. <i>Nanotechnology</i> , <b>2016</b> , 27, 285302	3.4	32
169	The nature of graphene-metal bonding probed by Raman spectroscopy: the special case of cobalt. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 105301	3	20
168	Thickness-modulated tungsten-carbon superconducting nanostructures grown by focused ion beam induced deposition for vortex pinning up to high magnetic fields. <i>Beilstein Journal of Nanotechnology</i> , <b>2016</b> , 7, 1698-1708	3	4
167	Plasmonic control of extraordinary optical transmission in the infrared regime. <i>Nanotechnology</i> , <b>2016</b> , 27, 505202	3.4	7
166	Review of magnetic nanostructures grown by focused electron beam induced deposition (FEBID). <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 243003	3	93
165	Electrical conductivity of oxidized-graphenic nanoplatelets obtained from bamboo: effect of the oxygen content. <i>Nanotechnology</i> , <b>2016</b> , 27, 365708	3.4	20
164	Control of the spin to charge conversion using the inverse Rashba-Edelstein effect. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 172403	3.4	49
163	3D Magnetic Induction Maps of Nanoscale Materials Revealed by Electron Holographic Tomography. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 6771-6778	9.6	53
162	Observation of the strain induced magnetic phase segregation in manganite thin films. <i>Nano Letters</i> , <b>2015</b> , 15, 492-7	11.5	25
161	Antiferromagnetism at T>500K in the layered hexagonal ruthenate SrRu2O6. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	38

160	Influence of the shape and surface oxidation in the magnetization reversal of thin iron nanowires grown by focused electron beam induced deposition. <i>Beilstein Journal of Nanotechnology</i> , <b>2015</b> , 6, 1319-1331	20
159	Focused Electron and Ion Beam Induced Deposition on Flexible and Transparent Polycarbonate Substrates. <i>ACS Nano</i> , <b>2015</b> , 9, 6139-46	16.7 62
158	Combining Micromanipulation, Kerr Magnetometry and Magnetic Force Microscopy for Characterization of Three-Dimensional Magnetic Nanostructures <b>2015</b> , 531-559	
157	Enhanced magnetotransport in nanopatterned manganite nanowires. <i>Nano Letters</i> , <b>2014</b> , 14, 423-8	11.5 14
156	Enhancement of long-range correlations in a 2D vortex lattice by an incommensurate 1D disorder potential. <i>Nature Physics</i> , <b>2014</b> , 10, 851-856	16.2 59
155	Arrays of densely packed isolated nanowires by focused beam induced deposition plus Ar <sup>+</sup> milling. <i>ACS Nano</i> , <b>2014</b> , 8, 3788-95	16.7 26
154	Fabrication of cobalt trifluoride (CoF <sub>3</sub> ) phase from metallic cobalt by XeF <sub>2</sub> -assisted Focused Electron Beam Induced Processing. <i>Microelectronic Engineering</i> , <b>2014</b> , 125, 78-82	2.5 5
153	Mechanical magnetometry of Cobalt nanospheres deposited by focused electron beam at the tip of ultra-soft cantilevers. <i>Nanofabrication</i> , <b>2014</b> , 1,	4 21
152	Present and future applications of magnetic nanostructures grown by FEBID. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 117, 1645-1658	2.6 29
151	Nanostructuring superconducting vortex matter with focused ion beams. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 503, 70-74	1.3 4
150	Quantitative in situ magnetization reversal studies in Lorentz microscopy and electron holography. <i>Ultramicroscopy</i> , <b>2013</b> , 134, 144-54	3.1 22
149	Improvement of domain wall conduit properties in cobalt nanowires by global gallium irradiation. <i>Nanotechnology</i> , <b>2013</b> , 24, 345703	3.4 12
148	Conductance steps in electromigrated Bi nanoconstrictions. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 5132-9	3.6 6
147	Correlations among magnetic, electrical and magneto-transport properties of NiFe nanohole arrays. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 066007	1.8 7
146	Spin-to-charge conversion using Rashba coupling at the interface between non-magnetic materials. <i>Nature Communications</i> , <b>2013</b> , 4, 2944	17.4 508
145	Modification of domain-wall propagation in Co nanowires via Ga <sup>+</sup> irradiation. <i>European Physical Journal B</i> , <b>2013</b> , 86, 1	1.2 12
144	Magnetic field-induced dissipation-free state in superconducting nanostructures. <i>Nature Communications</i> , <b>2013</b> , 4, 1437	17.4 75
143	Optimized cobalt nanowires for domain wall manipulation imaged by in situ Lorentz microscopy. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 022418	3.4 21

142	Nanoscale Electrical Contacts Grown by Focused Ion Beam (FIB)-Induced Deposition. <i>Lecture Notes in Nanoscale Science and Technology</i> , <b>2013</b> , 95-122	0.3	2
141	Three dimensional magnetic nanowires grown by focused electron-beam induced deposition. <i>Scientific Reports</i> , <b>2013</b> , 3, 1492	4.9	125
140	Quantitative biomolecular sensing station based on magnetoresistive patterned arrays. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 35, 206-212	11.8	42
139	Tailoring the physical properties of thin nanohole arrays grown on flat anodic aluminum oxide templates. <i>Nanotechnology</i> , <b>2012</b> , 23, 425701	3.4	22
138	GMR sensors and magnetic nanoparticles for immuno-chromatographic assays. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 3495-3498	2.8	60
137	Autocatalytic growth of Co on pure Co surfaces using Co <sub>2</sub> (CO) <sub>8</sub> precursor. <i>Applied Surface Science</i> , <b>2012</b> , 263, 242-246	6.7	10
136	Correlation between the magnetic imaging of cobalt nanoconstrictions and their magnetoresistance response. <i>Nanotechnology</i> , <b>2012</b> , 23, 105703	3.4	7
135	Giant anomalous Hall effect in Fe-based microwires grown by focused-electron-beam-induced deposition. <i>Journal Physics D: Applied Physics</i> , <b>2012</b> , 45, 035001	3	23
134	Magnetic properties of epitaxial discontinuous Fe/MgO multilayers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 7505-9	1.3	1
133	Tunneling magnetoresistance in epitaxial discontinuous Fe/MgO multilayers. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 122502	3.4	10
132	Enhanced exchange and reduced magnetization of Gd in an Fe/Gd/Fe trilayer. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	13
131	Quantitative analysis of the weak anti-localization effect in ultrathin bismuth films. <i>Europhysics Letters</i> , <b>2011</b> , 95, 37002	1.6	19
130	Ultrasmall functional ferromagnetic nanostructures grown by focused electron-beam-induced deposition. <i>ACS Nano</i> , <b>2011</b> , 5, 7781-7	16.7	99
129	Distinguishing magnetic and electrostatic interactions by a Kelvin probe force microscopy-magnetic force microscopy combination. <i>Beilstein Journal of Nanotechnology</i> , <b>2011</b> , 2, 552-60	3	51
128	Investigation of the influence on graphene by using electron-beam and photo-lithography. <i>Solid State Communications</i> , <b>2011</b> , 151, 1574-1578	1.6	47
127	Hysteresis loops of individual Co nanostripes measured by magnetic force microscopy. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 407	5	39
126	Nanoscale chemical and structural study of Co-based FEBID structures by STEM-EELS and HRTEM. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 592	5	37
125	Quantification and minimization of disorder caused by focused electron beam induced deposition of cobalt on graphene. <i>Microelectronic Engineering</i> , <b>2011</b> , 88, 2063-2065	2.5	3

124	Ferromagnet/superconductor nanocontacts grown by focused electron/ion beam techniques for current-in-plane Andreev Reflection measurements. <i>Solid State Communications</i> , <b>2011</b> , 151, 37-41	1.6	18
123	Fe:O:C grown by focused-electron-beam-induced deposition: magnetic and electric properties. <i>Nanotechnology</i> , <b>2011</b> , 22, 025302	3.4	41
122	Focused electron beam induced etching of titanium with XeF <sub>2</sub> . <i>Nanotechnology</i> , <b>2011</b> , 22, 265304	3.4	16
121	Anisotropic magnetotransport in SrTiO <sub>3</sub> surface electron gases generated by Ar <sup>+</sup> irradiation. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	36
120	Direct observation of stress accumulation and relaxation in small bundles of superconducting vortices in tungsten thin films. <i>Physical Review Letters</i> , <b>2011</b> , 106, 077001	7.4	24
119	Andreev reflection under high magnetic fields in ferromagnet-superconductor nanocontacts. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	8
118	Fe <sub>3</sub> O <sub>4</sub> Epitaxial Thin Films and Heterostructures: Magnetotransport and Magnetic Properties. <i>Advances in Science and Technology</i> , <b>2010</b> , 67, 82-91	0.1	5
117	Weak-antilocalization signatures in the magnetotransport properties of individual electrodeposited Bi Nanowires. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 082110	3.4	27
116	Origin of the giant magnetic moment in epitaxial Fe <sub>3</sub> O <sub>4</sub> thin films. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	70
115	Role of the surface states in the magnetotransport properties of ultrathin bismuth films. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	34
114	High conductivity in hydrothermally grown AgCuO(2) single crystals verified using focused-ion-beam-deposited nanocontacts. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 10977-83	5.1	18
113	Determination of the percolation threshold in Fe/MgO magnetic granular multilayers. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 056003	1.8	11
112	Tunneling magnetoresistance in Fe/MgO granular multilayers. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 033704	3.4	17
111	Effects of La, Nd and Sm substitution of Sr in Sr <sub>2</sub> CrReO <sub>6</sub> on the structural, magnetic and transport properties. <i>Solid State Sciences</i> , <b>2010</b> , 12, 1121-1130	3.4	9
110	High-purity cobalt nanostructures grown by focused-electron-beam-induced deposition at low current. <i>Microelectronic Engineering</i> , <b>2010</b> , 87, 1550-1553	2.5	65
109	Structural and magnetotransport properties of Bi thin films grown by thermal evaporation. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 1460-1463	2.8	10
108	Growth of Sr <sub>2</sub> CrReO <sub>6</sub> epitaxial thin films by pulsed laser deposition. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, 1217-1220	2.8	10
107	Structural and magnetic properties of amorphous iron oxide. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, 1202-1206	2.8	13

106	Field-induced magnetostructural phase transition in double perovskite Ca <sub>2</sub> FeReO <sub>6</sub> studied via x-ray magnetic circular dichroism. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	18
105	Anomalous Hall effect in Fe (001) epitaxial thin films over a wide range in conductivity. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	58
104	Metal-insulator transition in Pt-C nanowires grown by focused-ion-beam-induced deposition. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	46
103	High-field Hall effect and magnetoresistance in Fe <sub>3</sub> O <sub>4</sub> epitaxial thin films up to 30 Tesla. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 262108	3.4	21
102	Magnetic properties of Fe/MgO granular multilayers prepared by pulsed laser deposition. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 063909	2.5	29
101	Magnetotransport properties of high-quality cobalt nanowires grown by focused-electron-beam-induced deposition. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 055005	3	130
100	Magnetization reversal in individual cobalt micro- and nanowires grown by focused-electron-beam-induced-deposition. <i>Nanotechnology</i> , <b>2009</b> , 20, 475704	3.4	51
99	Origin of the Difference in the Resistivity of As-Grown Focused-Ion- and Focused-Electron-Beam-Induced Pt Nanodeposits. <i>Journal of Nanomaterials</i> , <b>2009</b> , 2009, 1-11	3.2	66
98	Tunneling and anisotropic-tunneling magnetoresistance in iron nanoconstrictions fabricated by focused-ion-beam. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1181, 1		
97	Transport properties of superconducting amorphous W-based nanowires fabricated by focused-ion-beam-induced-deposition for applications in Nanotechnology. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1180, 1		8
96	Direct observation of melting in a two-dimensional superconducting vortex lattice. <i>Nature Physics</i> , <b>2009</b> , 5, 651-655	16.2	92
95	Magnetoresistance between oxidized Co-rich particles grown by high current electrochemical deposition. <i>Solid State Communications</i> , <b>2009</b> , 149, 2043-2046	1.6	
94	Creation of stable nanoconstrictions in metallic thin films via progressive narrowing by focused-ion-beam technique and in situ control of resistance. <i>Microelectronic Engineering</i> , <b>2009</b> , 86, 639-641	2.5	3
93	Domain wall conduit behavior in cobalt nanowires grown by focused electron beam induced deposition. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 192509	3.4	62
92	Superconducting density of states at the border of an amorphous thin film grown by focused-ion-beam. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 150, 052064	0.3	4
91	Correlation between the synthesis conditions and the compositional and magnetic properties of Co <sub>2</sub> (Cr <sub>1-x</sub> Fe <sub>x</sub> )Al Heusler alloys. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 450, 31-38	5.7	24
90	Fe <sub>3</sub> O <sub>4</sub> /MgO/Fe Heteroepitaxial Structures for Magnetic Tunnel Junctions. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 2862-2864	2	7
89	Nanoscale superconducting properties of amorphous W-based deposits grown with a focused-ion-beam. <i>New Journal of Physics</i> , <b>2008</b> , 10, 093005	2.9	58



88	Exploring the conduction in atomic-sized metallic constrictions created by controlled ion etching. <i>Nanotechnology</i> , <b>2008</b> , 19, 415302	3.4	10
87	Giant planar Hall effect in epitaxial Fe <sub>3</sub> O <sub>4</sub> thin films and its temperature dependence. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	30
86	Universal scaling of the anomalous Hall effect in Fe <sub>3</sub> O <sub>4</sub> epitaxial thin films. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	53
85	Nanotubes Made from Deeply Undercooled Cryolite/Alumina Melts. <i>Helvetica Chimica Acta</i> , <b>2008</b> , 91, 1389-1399	2	3
84	The influence of single-walled carbon nanotube functionalization on the electronic properties of their polyaniline composites. <i>Carbon</i> , <b>2008</b> , 46, 1909-1917	10.4	58
83	Magnetization of Re-based double perovskites: Noninteger saturation magnetization disclosed. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 252514	3.4	30
82	Temperature dependence of magnetization under high fields in Re-based double perovskites. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 506206	1.8	15
81	Colossal magnetoresistance in Ca <sub>x</sub> Sr <sub>2-x</sub> FeReO <sub>6</sub> double perovskites due to field-induced phase coexistence. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	12
80	High-field magnetization measurements in Sr <sub>2</sub> CrReO <sub>6</sub> double perovskite: Evidence for orbital contribution to the magnetization. <i>Europhysics Letters</i> , <b>2007</b> , 78, 17006	1.6	28
79	Magnetoresistance and magnetostriction of Co <sub>2</sub> Cr <sub>0.6</sub> Fe <sub>0.4</sub> Al Heusler alloy. <i>Solid State Communications</i> , <b>2007</b> , 142, 363-367	1.6	14
78	XAS and XMCD under high magnetic field and low temperature on the energy-dispersive beamline of the ESRF. <i>Journal of Synchrotron Radiation</i> , <b>2007</b> , 14, 409-15	2.4	26
77	Steric effects and electron doping in Sr <sub>2</sub> CrReO <sub>6</sub> double-perovskite oxides. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 316, 413-416	2.8	4
76	Magnetotransport properties of Fe <sub>3</sub> O <sub>4</sub> thin films for applications in spin electronics. <i>Microelectronic Engineering</i> , <b>2007</b> , 84, 1660-1664	2.5	28
75	Effects of the lanthanide addition to the Sr <sub>2</sub> CrReO <sub>6</sub> double perovskite. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	12
74	Mesoscopic magnetic states in metallic alloys with strong electronic correlations: a percolative scenario for CeNi <sub>1-x</sub> Cux. <i>Physical Review Letters</i> , <b>2007</b> , 98, 166406	7.4	56
73	Magnetoelastic coupling in Sr <sub>2</sub> (Fe <sub>1-x</sub> Cr <sub>x</sub> )ReO <sub>6</sub> double perovskites. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 436226	1.8	12
72	Double perovskites with ferromagnetism above room temperature. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 023201	1.8	299
71	Local Magnetic and Electronic Properties of the A <sub>2</sub> FeMnO <sub>6</sub> (A = Ba, Sr, Ca, Mn≠ Mo, Re) Double Perovskites. <i>Acta Physica Polonica A</i> , <b>2007</b> , 111, 797-820	0.6	12

70	Experimental study of the structural and magnetic properties of Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Physical Review B</i> , <b>2006</b> , 74,	3-3	41
69	Possible quantum critical point in (La <sub>1-x</sub> Dy <sub>x</sub> ) <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2006</b> , 74,	3-3	9
68	Detailed neutron study of the crossover from long-range to short-range magnetic ordering in (Nd <sub>1-x</sub> Tb <sub>x</sub> ) <sub>0.55</sub> Sr <sub>0.45</sub> MnO <sub>3</sub> manganites. <i>Physical Review B</i> , <b>2006</b> , 74,	3-3	18
67	Two- and three-dimensional magnetic ordering in the bilayer manganite Ca <sub>2.5</sub> Sr <sub>0.5</sub> GaMn <sub>2</sub> O <sub>8</sub> . <i>Physical Review B</i> , <b>2006</b> , 74,	3-3	11
66	Evidence of unquenched Re orbital magnetic moment in AA <sub>2</sub> FeReO <sub>6</sub> double perovskites. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 062509	3-4	38
65	Nature of the magnetic ordering for small mean-size and large-size mismatch of A-site cations in CMR manganites. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 385-386, 401-404	2.8	7
64	Possible quantum critical point in La <sub>(2/3)</sub> Ca <sub>(1/3)</sub> Mn <sub>(1-x)</sub> Ga <sub>x</sub> O <sub>3</sub> . <i>Physical Review Letters</i> , <b>2005</b> , 94, 207205	3-4	39
63	Giant magnetostriction in Ca <sub>2</sub> FeReO <sub>6</sub> double perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 290-291, 843-845	2.8	21
62	Properties of half metallic (Ba <sub>0.8</sub> Sr <sub>0.2</sub> ) <sub>2-x</sub> La <sub>2x/3</sub> #x/3FeMoO <sub>6</sub> double perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 290-291, 1021-1024	2.8	4
61	Large magnetoresistance in (AA <sub>2</sub> ) <sub>2</sub> FeReO <sub>6</sub> double perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 290-291, 1043-1049	2.8	22
60	Investigation of the high Curie temperature in Sr <sub>2</sub> CrReO <sub>6</sub> . <i>Physical Review B</i> , <b>2005</b> , 71,	3-3	43
59	Intergrain magnetoresistance up to 50 T in the half-metallic (Ba <sub>0.8</sub> Sr <sub>0.2</sub> ) <sub>2</sub> FeMoO <sub>6</sub> double perovskite: Spin-glass behavior of the grain boundary. <i>Physical Review B</i> , <b>2005</b> , 71,	3-3	66
58	Grain-boundary magnetoresistance up to 42 T in cold-pressed Fe <sub>3</sub> O <sub>4</sub> nanopowders. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 084317	2.5	33
57	Pressure effect on magnetic and magnetotransport properties of intermetallic and colossal magnetoresistance oxide compounds. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, S3035-S3055	1.8	
56	Impact of cation size on magnetic properties of (AA <sub>2</sub> ) <sub>2</sub> FeReO <sub>6</sub> double perovskites. <i>Physical Review B</i> , <b>2004</b> , 69,	3-3	78
55	Structural and magnetic details of 3d-element doped Sr <sub>2</sub> Fe <sub>0.75</sub> Ti <sub>0.25</sub> MoO <sub>6</sub> . <i>Solid State Sciences</i> , <b>2004</b> , 6, 419-431	3-4	27
54	Increase of Curie temperature in fixed ionic radius Ba <sub>(1+x)</sub> Sr <sub>(1-3x)</sub> La <sub>(2x)</sub> FeMoO <sub>6</sub> double perovskites. <i>European Physical Journal B</i> , <b>2004</b> , 39, 35-40	1.2	29
53	Spin-dependent tunneling in magnetic tunnel junctions with Al <sub>2</sub> O <sub>3</sub> , MgO, NiO and hybrid structures. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, E1525-E1526	2.8	1

52	NMR and X-MCD study of $\text{Sr}_{1-x}\text{Ba}_x\text{La}_{2-x}\text{FeMoO}_6$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 1756-1758	2.8	5
51	X-MCD magnetometry of CMR perovskites $\text{La}_{0.67-y}\text{RE}_y\text{Ca}_{0.33}\text{MnO}_3$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 272-276, 2148-2150	2.8	2
50	A55Mn NMR Study of $\text{La}_{0.33}\text{Nd}_{0.33}\text{Ca}_{0.34}\text{MnO}_3$ with $^{16}\text{O}$ and $^{18}\text{O}$ . <i>Acta Physica Polonica A</i> , <b>2004</b> , 105, 183-188	0.6	
49	Peculiar ferromagnetic insulator state in the low-hole-doped manganites. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	51
48	Magnetic coupling in epitaxial TM/MgO/Fe(001) (TM=FeCo, Fe/Co, Fe) macroscopic and microscopic trilayers. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 4006-4012	2.5	7
47	NMR study of double perovskite $\text{Sr}_2\text{FeMoO}_6$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 242-245, 701-703	2.8	32
46	Magnetostriction effects. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 242-245, 788-796	2.8	14
45	Structural, magnetic and transport properties of $\text{Sr}_2\text{Fe}_{1-x}\text{Cr}_x\text{MoO}_6$ . <i>Solid State Sciences</i> , <b>2002</b> , 4, 651-664	3.4	52
44	Magnetoresistance and spin electronics. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 242-245, 68-76	2.8	68
43	Field effect on phase segregation in the electron-doped mixed-valence manganites near a structural instability. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	27
42	Magnetic versus orbital polarons in colossal magnetoresistance manganites. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	78
41	Large low-field magnetoresistance and TC in polycrystalline $(\text{Ba}_{0.8}\text{Sr}_{0.2})_2\text{La}_x\text{FeMoO}_6$ double perovskites. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 4573-4575	3.4	90
40	Review of recent results on spin polarized tunneling and magnetic switching by spin injection. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2001</b> , 84, 1-9	3.1	31
39	The influence of doping on the magnetic and structural properties of the double perovskite $\text{Sr}_2\text{FeMoO}_6$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 226-230, 1070-1072	2.8	5
38	Mössbauer spectroscopy in $\text{Sr}_2\text{FeMoO}_6$ double perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 226-230, 1089-1091	2.8	12
37	Large magnetoresistance in Fe/MgO/FeCo(001) epitaxial tunnel junctions on GaAs(001). <i>Applied Physics Letters</i> , <b>2001</b> , 79, 1655-1657	3.4	202
36	Manganite-based magnetic tunnel junctions: new ideas on spin-polarised tunnelling. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 211, 160-166	2.8	15
35	Pulsed Laser Deposition of $\text{Zr}_{1-x}\text{Ce}_x\text{O}_2$ and $\text{Ce}_{1-x}\text{La}_x\text{O}_{2-x/2}$ for Buffer Layers and Insulating Barrier in Oxide Heterostructures <b>2000</b> , 4, 369-377		

34	Structural and magnetic study of Tb <sub>1-x</sub> CaxMnO <sub>3</sub> perovskites. <i>Physical Review B</i> , <b>2000</b> , 62, 5609-5618	3.3	154
33	Structural and magnetic properties of double perovskites A <sub>2</sub> FeMoO <sub>6</sub> (A = Ba, BaSr, Sr <sub>2</sub> and Ca <sub>2</sub> ). <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 8295-8308	1.8	173
32	Preparation and properties of epitaxial La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> -films with reduced carrier density. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 7099-7109	1.8	31
31	A <sup>55</sup> Mn nuclear magnetic resonance study of mixed-valence manganites. <i>Journal of Physics Condensed Matter</i> , <b>1999</b> , 11, 4079-4086	1.8	22
30	Inverse Tunnel Magnetoresistance in Co/SrTiO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> : New Ideas on Spin-Polarized Tunneling. <i>Physical Review Letters</i> , <b>1999</b> , 82, 4288-4291	7.4	320
29	Role of metal-oxide interface in determining the spin polarization of magnetic tunnel junctions. <i>Science</i> , <b>1999</b> , 286, 507-9	33.3	523
28	Inverse Magnetoresistance In Manganite/SrTiO <sub>3</sub> /Co Tunnel Junctions. <i>Materials Research Society Symposia Proceedings</i> , <b>1999</b> , 574, 293		
27	Colossal magnetoresistance in manganese oxide perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 177-181, 846-849	2.8	27
26	Study of Structural, Magnetic, and Electrical Properties of La <sub>2/3</sub> Ca <sub>1/3</sub> Mn <sub>1-x</sub> In <sub>x</sub> O <sub>3</sub> Perovskites. <i>Journal of Solid State Chemistry</i> , <b>1998</b> , 138, 226-231	3.3	25
25	Oxygen-isotope effect on the field-induced metal-insulator transition in. <i>Solid State Communications</i> , <b>1998</b> , 105, 567-570	1.6	17
24	Colossal magnetoresistance in Gd <sub>1/2</sub> Sr <sub>1/2</sub> MnO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>1998</b> , 83, 7664-7667	2.5	38
23	Oxygen isotope effects in (La <sub>0.5</sub> Nd <sub>0.5</sub> ) <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> : Relevance of the electron-phonon interaction to the phase segregation. <i>Physical Review B</i> , <b>1998</b> , 57, 7446-7449	3.3	74
22	Strong influence of the Mn <sup>3+</sup> content on the binding energy of the lattice polarons in manganese perovskites. <i>Physical Review B</i> , <b>1998</b> , 58, R5928-R5931	3.3	93
21	Anomalous Compressibility Associated with First Order Valence Change in YbInCu <sub>4</sub> .. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , <b>1998</b> , 7, 623-625	0	
20	Critical behavior of magnetoresistivity in La <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 5760-5763		2
19	Influence of oxygen content on the structural, magnetotransport, and magnetic properties of LaMnO <sub>3</sub> + $\square$ . <i>Physical Review B</i> , <b>1997</b> , 56, 8902-8911	3.3	300
18	Charge ordering at room temperature in. <i>Journal of Physics Condensed Matter</i> , <b>1997</b> , 9, 10321-10331	1.8	33
17	Structural, magnetic, and transport properties of the giant magnetoresistive perovskites La <sub>2/3</sub> Ca <sub>1/3</sub> Mn <sub>1-x</sub> Al <sub>x</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>1997</b> , 55, 8905-8910	3.3	219

16	Charge localization, magnetic order, structural behavior, and spin dynamics of (La $\square$ Tb) $_{2/3}$ Ca $_{1/3}$ MnO $_3$ manganese perovskites probed by neutron diffraction and muon spin relaxation. <i>Physical Review B</i> , <b>1997</b> , 56, 3317-3324	3.3	72
15	Lattice effects, stability under a high magnetic field, and magnetotransport properties of the charge-ordered mixed-valence La $_{0.35}$ Ca $_{0.65}$ MnO $_3$ perovskite. <i>Physical Review B</i> , <b>1997</b> , 56, 8252-8256	3.3	60
14	Evidence for magnetic polarons in the magnetoresistive perovskites. <i>Nature</i> , <b>1997</b> , 386, 256-259	50.4	878
13	First-order valence change in CeNi $_{1-x}$ CoxSn (0.35 $\leq$ x $\leq$ 0.4). <i>Physica B: Condensed Matter</i> , <b>1997</b> , 234-236, 872-874	2.8	3
12	The magnetic phase diagram of intermetallics under pressure using neutron diffraction. <i>Journal of Physics Condensed Matter</i> , <b>1996</b> , 8, 8385-8396	1.8	4
11	Correlation between magnetovolume and giant magnetoresistance effects in doped La $_{2/3}$ Ca $_{1/3}$ MnO $_3$ perovskites. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 5175	2.5	21
10	A systematic study of structural, magnetic and electrical properties of perovskites. <i>Journal of Physics Condensed Matter</i> , <b>1996</b> , 8, 7427-7442	1.8	93
9	Spin-glass insulator state in (Tb-La) $_{2/3}$ Ca $_{1/3}$ MnO $_3$ perovskite. <i>Physical Review Letters</i> , <b>1996</b> , 76, 3392-3395	3.4	243
8	Spontaneous behavior and magnetic field and pressure effects on La $_{2/3}$ Ca $_{1/3}$ MnO $_3$ perovskite. <i>Physical Review B</i> , <b>1996</b> , 54, 1187-1193	3.3	251
7	Pressure and magnetic field effects on the volume anomaly associated with first-order valence change in YInCu $_4$ . <i>Solid State Communications</i> , <b>1996</b> , 99, 911-915	1.6	39
6	Crossover from charge-localized state to charge-ordered state in Pr $_{2/3}$ Ca $_{1/3}$ MnO $_3$ . <i>Physical Review B</i> , <b>1996</b> , 54, R12689-R12692	3.3	25
5	Giant magnetoresistance in bulk. <i>Solid State Communications</i> , <b>1995</b> , 96, 627-630	1.6	23
4	Anisotropic magnetostriction and huge thermal expansion in valence fluctuating Ce(Ni $_{1-x}$ Co $_x$ ) $_2$ Sn. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 1219-1220	2.8	5
3	First-order valence phase transition in CeNi $_{1-x}$ CoxSn alloys. <i>Physical Review B</i> , <b>1995</b> , 52, 12790-12797	3.3	32
2	Magnetic behaviour and magnetostriction of Tb $_x$ Y $_{1-x}$ Mn $_2$ intermetallics. <i>Journal of Physics Condensed Matter</i> , <b>1995</b> , 7, 5643-5655	1.8	4
1	Focused ion beam induced processing		2