J M De Teresa

List of Publications by Year in descending order

218 papers	10,700 citations	36303 51 h-index	37204 96 g-index
224 all docs	224 docs citations	224 times ranked	8925 citing authors

#	Article	IF	Citations
1	Evidence for magnetic polarons in the magnetoresistive perovskites. Nature, 1997, 386, 256-259.	27.8	937
2	Spin-to-charge conversion using Rashba coupling at the interface between non-magnetic materials. Nature Communications, 2013, 4, 2944.	12.8	661
3	Role of Metal-Oxide Interface in Determining the Spin Polarization of Magnetic Tunnel Junctions. Science, 1999, 286, 507-509.	12.6	566
4	Double perovskites with ferromagnetism above room temperature. Journal of Physics Condensed Matter, 2007, 19, 023201.	1.8	370
5	Inverse Tunnel Magnetoresistance inCo/SrTiO3/La0.7Sr0.3MnO3: New Ideas on Spin-Polarized Tunneling. Physical Review Letters, 1999, 82, 4288-4291.	7.8	350
6	Influence of oxygen content on the structural, magnetotransport, and magnetic properties ofLaMnO3+Î´. Physical Review B, 1997, 56, 8902-8911.	3.2	328
7	Spontaneous behavior and magnetic field and pressure effects onLa2/3Ca1/3MnO3perovskite. Physical Review B, 1996, 54, 1187-1193.	3.2	266
8	Spin-Glass Insulator State in (Tb-La)2/3Ca1/3MnO3Perovskite. Physical Review Letters, 1996, 76, 3392-3395.	7.8	259
9	Large magnetoresistance in Fe/MgO/FeCo(001) epitaxial tunnel junctions on GaAs(001). Applied Physics Letters, 2001, 79, 1655-1657.	3.3	229
10	Structural, magnetic, and transport properties of the giant magnetoresistive perovskitesLa2/3Ca1/3Mn1â^'xAlxO3â^'Î´. Physical Review B, 1997, 55, 8905-8910.	3.2	228
11	Structural and magnetic properties of double perovskites AA'FeMoO6(AA' = Ba2, BaSr, Sr2and Ca2). Journal of Physics Condensed Matter, 2000, 12, 8295-8308.	1.8	195
12	Structural and magnetic study ofTb1â^'xCaxMnO3perovskites. Physical Review B, 2000, 62, 5609-5618.	3.2	168
13	Three dimensional magnetic nanowires grown by focused electron-beam induced deposition. Scientific Reports, 2013, 3, 1492.	3.3	148
14	Magnetotransport properties of high-quality cobalt nanowires grown by focused-electron-beam-induced deposition. Journal Physics D: Applied Physics, 2009, 42, 055005.	2.8	145
15	Review of magnetic nanostructures grown by focused electron beam induced deposition (FEBID). Journal Physics D: Applied Physics, 2016, 49, 243003.	2.8	124
16	Direct observation of melting in a two-dimensional superconducting vortex lattice. Nature Physics, 2009, 5, 651-655.	16.7	115
17	Ultrasmall Functional Ferromagnetic Nanostructures Grown by Focused Electron-Beam-Induced Deposition. ACS Nano, 2011, 5, 7781-7787.	14.6	105
18	Strong influence of theMn3+content on the binding energy of the lattice polarons in manganese perovskites. Physical Review B, 1998, 58, R5928-R5931.	3.2	96

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19	A systematic study of structural, magnetic and electrical properties of perovskites. Journal of Physics Condensed Matter, 1996, 8, 7427-7442.	1.8	94
20	Large low-field magnetoresistance and TC in polycrystalline (Ba0.8Sr0.2)2â^'xLaxFeMoO6 double perovskites. Applied Physics Letters, 2002, 80, 4573-4575.	3.3	94
21	Impact of cation size on magnetic properties of(AAâ€²)2FeReO6double perovskites. Physical Review B, 2004, 69, .	3.2	90
22	Magnetic field-induced dissipation-free state in superconducting nanostructures. Nature Communications, 2013, 4, 1437.	12.8	90
23	Origin of inverse Rashba-Edelstein effect detected at the Cu/Bi interface using lateral spin valves. Physical Review B, 2016, 93, .	3.2	87
24	Magnetic versus orbital polarons in colossal magnetoresistance manganites. Physical Review B, 2002, 65, .	3.2	86
25	Origin of the Difference in the Resistivity of As-Grown Focused-Ion- and Focused-Electron-Beam-Induced Pt Nanodeposits. Journal of Nanomaterials, 2009, 2009, 1-11.	2.7	83
26	Oxygen isotope effects in(La0.5Nd0.5)2/3Ca1/3MnO3:â€,Relevance of the electron-phonon interaction to the phase segregation. Physical Review B, 1998, 57, 7446-7449.	3.2	77
27	Charge localization, magnetic order, structural behavior, and spin dynamics of(Laâ^'Tb)2/3Ca1/3MnO3manganese perovskites probed by neutron diffraction and muon spin relaxation. Physical Review B, 1997, 56, 3317-3324.	3.2	75
28	Origin of the giant magnetic moment in epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub> films. Physical Review B, 2010, 81, .	3.2	75
29	GMR sensors and magnetic nanoparticles for immuno-chromatographic assays. Journal of Magnetism and Magnetic Materials, 2012, 324, 3495-3498.	2.3	75
30	Magnetoresistance and spin electronics. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 68-76.	2.3	74
31	Anomalous Hall effect in Fe (001) epitaxial thin films over a wide range in conductivity. Physical Review B, 2009, 79, .	3.2	74
32	Intergrain magnetoresistance up to 50 T in the half-metallic(Ba0.8Sr0.2)2FeMoO6double perovskite: Spin-glass behavior of the grain boundary. Physical Review B, 2005, 71, .	3.2	70
33	Enhancement of long-range correlations in a 2DÂvortex lattice by an incommensurate 1D disorderÂpotential. Nature Physics, 2014, 10, 851-856.	16.7	69
34	Focused Electron and Ion Beam Induced Deposition on Flexible and Transparent Polycarbonate Substrates. ACS Nano, 2015, 9, 6139-6146.	14.6	68
35	High-purity cobalt nanostructures grown by focused-electron-beam-induced deposition at low current. Microelectronic Engineering, 2010, 87, 1550-1553.	2.4	67
36	Nanoscale superconducting properties of amorphous W-based deposits grown with a focused-ion-beam. New Journal of Physics, 2008, 10, 093005.	2.9	66

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37	Control of the spin to charge conversion using the inverse Rashba-Edelstein effect. Applied Physics Letters, 2015, 106, .	3.3	66
38	Vertical Growth of Superconducting Crystalline Hollow Nanowires by He⁺ Focused Ion Beam Induced Deposition. Nano Letters, 2018, 18, 1379-1386.	9.1	66
39	Lattice effects, stability under a high magnetic field, and magnetotransport properties of the charge-ordered mixed-valenceLa0.35Ca0.65MnO3perovskite. Physical Review B, 1997, 56, 8252-8256.	3.2	65
40	The influence of single-walled carbon nanotube functionalization on the electronic properties of their polyaniline composites. Carbon, 2008, 46, 1909-1917.	10.3	64
41	3D Magnetic Induction Maps of Nanoscale Materials Revealed by Electron Holographic Tomography. Chemistry of Materials, 2015, 27, 6771-6778.	6.7	64
42	Domain wall conduit behavior in cobalt nanowires grown by focused electron beam induced deposition. Applied Physics Letters, 2009, 94, 192509.	3.3	63
43	Distinguishing magnetic and electrostatic interactions by a Kelvin probe force microscopyâ€“magnetic force microscopy combination. Beilstein Journal of Nanotechnology, 2011, 2, 552-560.	2.8	62
44	Writing 3D Nanomagnets Using Focused Electron Beams. Materials, 2020, 13, 3774.	2.9	61
45	Mesoscopic Magnetic States in Metallic Alloys with Strong Electronic Correlations: A Percolative Scenario forCeNi1âˆ’xCux. Physical Review Letters, 2007, 98, 166406.	7.8	60
46	Magnetization reversal in individual cobalt micro- and nanowires grown by focused-electron-beam-induced-deposition. Nanotechnology, 2009, 20, 475704.	2.6	60
47	Artificial Double-Helix for Geometrical Control of Magnetic Chirality. ACS Nano, 2020, 14, 8084-8092.	14.6	58
48	Universal scaling of the anomalous Hall effect in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>epitaxial thin films. Physical Review B, 2008, 77, .	3.2	57
49	Metal-insulator transition in Pt-C nanowires grown by focused-ion-beam-induced deposition. Physical Review B, 2009, 79, .	3.2	57
50	Structural, magnetic and transport properties of Sr2Fe1âˆ’xCrxMoO6âˆ’y. Solid State Sciences, 2002, 4, 651-660.	3.2	55
51	Peculiar ferromagnetic insulator state in the low-hole-doped manganites. Physical Review B, 2003, 67, .	3.2	55
52	Investigation of the high Curie temperature inSr2CrReO6. Physical Review B, 2005, 71, .	3.2	54
53	Three-Dimensional Superconducting Nanohelices Grown by He⁺-Focused-Ion-Beam Direct Writing. Nano Letters, 2019, 19, 8597-8604.	9.1	52
54	Investigation of the influence on graphene by using electron-beam and photo-lithography. Solid State Communications, 2011, 151, 1574-1578.	1.9	49

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55	Nanoscale chemical and structural study of Co-based FEBID structures by STEM-EELS and HRTEM. Nanoscale Research Letters, 2011, 6, 592.	5.7	48
56	Hysteresis loops of individual Co nanostripes measured by magnetic force microscopy. Nanoscale Research Letters, 2011, 6, 407.	5.7	47
57	Fe:O:C grown by focused-electron-beam-induced deposition: magnetic and electric properties. Nanotechnology, 2011, 22, 025302.	2.6	47
58	Quantitative biomolecular sensing station based on magnetoresistive patterned arrays. Biosensors and Bioelectronics, 2012, 35, 206-212.	10.1	46
59	Evidence of unquenched Re orbital magnetic moment in AAâ€²FeReO6 double perovskites. Applied Physics Letters, 2006, 89, 062509.	3.3	45
60	Pressure and magnetic field effects on the volume anomaly associated with first-order valence change in YbInCu4. Solid State Communications, 1996, 99, 911-915.	1.9	44
61	Role of the surface states in the magnetotransport properties of ultrathin bismuth films. Physical Review B, 2010, 82, .	3.2	44
62	Antiferromagnetism atT>500Kin the layered hexagonal ruthenateSrRu2O6. Physical Review B, 2015, 92, .	3.2	43
63	Tuning shape, composition and magnetization of 3D cobalt nanowires grown by focused electron beam induced deposition (FEBID). Journal Physics D: Applied Physics, 2017, 50, 18LT01.	2.8	43
64	Colossal magnetoresistance in Gd1/2Sr1/2MnO3. Journal of Applied Physics, 1998, 83, 7664-7667.	2.5	42
65	Possible Quantum Critical Point inLa2/3Ca1/3Mn1âˆ’xGaxO3. Physical Review Letters, 2005, 94, 207205.	7.8	42
66	Experimental study of the structural and magnetic properties ofÎ³âˆ’Fe2O3nanoparticles. Physical Review B, 2006, 74, .	3.2	42
67	Anisotropic magnetotransport in SrTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>surface electron gases generated by Ar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>	3.2	40
68	Hybrid TiO2-Graphene nanoribbon photoanodes to improve the photoconversion efficiency of dye sensitized solar cells. Journal of Power Sources, 2018, 396, 566-573.	7.8	38
69	First-order valence phase transition inCeNi1âˆ’xCoxSn alloys. Physical Review B, 1995, 52, 12790-12797.	3.2	35
70	Charge ordering at room temperature in. Journal of Physics Condensed Matter, 1997, 9, 10321-10331.	1.8	35
71	Observation of the Strain Induced Magnetic Phase Segregation in Manganite Thin Films. Nano Letters, 2015, 15, 492-497.	9.1	35
72	Electrical conductivity of oxidized-graphenic nanoplatelets obtained from bamboo: effect of the oxygen content. Nanotechnology, 2016, 27, 365708.	2.6	35

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73	Mass Sensing for the Advanced Fabrication of Nanomechanical Resonators. Nano Letters, 2019, 19, 6987-6992.	9.1	35
74	Review of recent results on spin polarized tunneling and magnetic switching by spin injection. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 84, 1-9.	3.5	34
75	Grain-boundary magnetoresistance up to 42 T in cold-pressed Fe3O4 nanopowders. Journal of Applied Physics, 2005, 97, 084317.	2.5	34
76	High-field magnetization measurements in Sr 2 CrReO 6 double perovskite: Evidence for orbital contribution to the magnetization. Europhysics Letters, 2007, 78, 17006.	2.0	34
77	Present and future applications of magnetic nanostructures grown by FEBID. Applied Physics A: Materials Science and Processing, 2014, 117, 1645-1658.	2.3	34
78	Increase of Curie temperature in fixed ionic radius Ba $_mathsf{1 + x}$ Sr $_mathsf{1-3x}$ La $_mathsf{2x}$ FeMoO $_mathsf{6}$ double perovskites. European Physical Journal B, 2004, 39, 35-40.	1.5	33
79	Magnetization of Re-based double perovskites: Noninteger saturation magnetization disclosed. Applied Physics Letters, 2007, 90, 252514.	3.3	33
80	Three-dimensional coreâ€“shell ferromagnetic nanowires grown by focused electron beam induced deposition. Nanotechnology, 2016, 27, 285302.	2.6	33
81	Preparation and properties of epitaxial La0.7Ca0.3MnO3-Î´films with reduced carrier density. Journal of Physics Condensed Matter, 2000, 12, 7099-7109.	1.8	32
82	NMR study of double perovskite Sr2FeMoO6. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 701-703.	2.3	32
83	Magnetotransport properties of Fe3O4 thin films for applications in spin electronics. Microelectronic Engineering, 2007, 84, 1660-1664.	2.4	32
84	Giant planar Hall effect in epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub> films and its temperature dependence. Physical Review B, 2008, 78, .	3.2	32
85	Weak-antilocalization signatures in the magnetotransport properties of individual electrodeposited Bi Nanowires. Applied Physics Letters, 2010, 96, .	3.3	31
86	Ultra-fast direct growth of metallic micro- and nano-structures by focused ion beam irradiation. Scientific Reports, 2019, 9, 14076.	3.3	31
87	Field effect on phase segregation in the electron-doped mixed-valence manganites near a structural instability. Physical Review B, 2002, 65, .	3.2	30
88	Correlation between the synthesis conditions and the compositional and magnetic properties of Co2(Cr1â^'xFex)Al Heusler alloys. Journal of Alloys and Compounds, 2008, 450, 31-38.	5.5	30
89	Magnetic properties of Feâ•MgO granular multilayers prepared by pulsed laser deposition. Journal of Applied Physics, 2009, 105, 063909.	2.5	30
90	Colossal magnetoresistance in manganese oxide perovskites. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 846-849.	2.3	29

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91	Purified and Crystalline Three-Dimensional Electron-Beam-Induced Deposits: The Successful Case of Cobalt for High-Performance Magnetic Nanowires. ACS Applied Nano Materials, 2018, 1, 38-46.	5.0	29
92	NanoSQUID Magnetometry on Individual As-grown and Annealed Co Nanowires at Variable Temperature. Nano Letters, 2018, 18, 7674-7682.	9.1	29
93	Study of Structural, Magnetic, and Electrical Properties of La2/3Ca1/3Mn1â^'xInxO3Perovskites. Journal of Solid State Chemistry, 1998, 138, 226-231.	2.9	28
94	Structural and magnetic details of 3d-element doped Sr2Fe0.75T0.25MoO6. Solid State Sciences, 2004, 6, 419-431.	3.2	28
95	XAS and XMCD under high magnetic field and low temperature on the energy-dispersive beamline of the ESRF. Journal of Synchrotron Radiation, 2007, 14, 409-415.	2.4	28
96	Crossover from charge-localized state to charge-ordered state inPr23Ca13MnO3. Physical Review B, 1996, 54, R12689-R12692.	3.2	27
97	Direct Observation of Stress Accumulation and Relaxation in Small Bundles of Superconducting Vortices in Tungsten Thin Films. Physical Review Letters, 2011, 106, 077001.	7.8	27
98	Arrays of Densely Packed Isolated Nanowires by Focused Beam Induced Deposition Plus Ar⁺ Milling. ACS Nano, 2014, 8, 3788-3795.	14.6	27
99	High-field Hall effect and magnetoresistance in Fe3O4 epitaxial thin films up to 30 Tesla. Applied Physics Letters, 2009, 95, .	3.3	26
100	A55Mn nuclear magnetic resonance study of mixed-valence manganites. Journal of Physics Condensed Matter, 1999, 11, 4079-4086.	1.8	25
101	Large magnetoresistance in (AAâ€²)2FeReO6 double perovskites. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1043-1049.	2.3	25
102	Quantitative in situ magnetization reversal studies in Lorentz microscopy and electron holography. Ultramicroscopy, 2013, 134, 144-154.	1.9	25
103	Customized MFM probes based on magnetic nanorods. Nanoscale, 2020, 12, 10090-10097.	5.6	25
104	Giant magnetoresistance in bulk. Solid State Communications, 1995, 96, 627-630.	1.9	24
105	Giant magnetostriction in Ca2FeReO6 double perovskite. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 843-845.	2.3	24
106	Giant anomalous Hall effect in Fe-based microwires grown by focused-electron-beam-induced deposition. Journal Physics D: Applied Physics, 2012, 45, 035001.	2.8	24
107	Comparison between Focused Electron/Ion Beam-Induced Deposition at Room Temperature and under Cryogenic Conditions. Micromachines, 2019, 10, 799.	2.9	24
108	Tailoring the physical properties of thin nanohole arrays grown on flat anodic aluminum oxide templates. Nanotechnology, 2012, 23, 425701.	2.6	23

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109	Optimized cobalt nanowires for domain wall manipulation imaged by in situ Lorentz microscopy. Applied Physics Letters, 2013, 102, .	3.3	23
110	Mechanical magnetometry of Cobalt nanospheres deposited by focused electron beam at the tip of ultra-soft cantilevers. Nanofabrication, 2014, 1, .	1.1	23
111	Influence of the shape and surface oxidation in the magnetization reversal of thin iron nanowires grown by focused electron beam induced deposition. Beilstein Journal of Nanotechnology, 2015, 6, 1319-1331.	2.8	23
112	Correlation between magnetovolume and giant magnetoresistance effects in doped La2/3Ca1/3MnO3 perovskites. Journal of Applied Physics, 1996, 79, 5175.	2.5	22
113	Detailed neutron study of the crossover from long-range to short-range magnetic ordering in(Nd1â^'xTbx)0.55Sr0.45MnO3manganites. Physical Review B, 2006, 74, .	3.2	22
114	High Conductivity in Hydrothermally Grown AgCuO₂ Single Crystals Verified Using Focused-Ion-Beam-Deposited Nanocontacts. Inorganic Chemistry, 2010, 49, 10977-10983.	4.0	22
115	The nature of grapheneâ€“metal bonding probed by Raman spectroscopy: the special case of cobalt. Journal Physics D: Applied Physics, 2016, 49, 105301.	2.8	22
116	Quantitative analysis of the weak anti-localization effect in ultrathin bismuth films. Europhysics Letters, 2011, 95, 37002.	2.0	21
117	Competition between Superconductor â€“ Ferromagnetic stray magnetic fields in YBa2Cu3O7â^'x films pierced with Co nano-rods. Scientific Reports, 2017, 7, 5663.	3.3	21
118	Field-induced magnetostructural phase transition in double perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ca</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu via x-ray magnetic circular dichroism. Physical Review B, 2009, 79, .	3.2	20
119	Ferromagnetâ€“superconductor nanocontacts grown by focused electron/ion beam techniques for current-in-plane Andreev Reflection measurements. Solid State Communications, 2011, 151, 37-41.	1.9	20
120	Focused electron beam induced etching of titanium with XeF₂. Nanotechnology, 2011, 22, 265304.	2.6	20
121	Magnetic properties of optimized cobalt nanospheres grown by focused electron beam induced deposition (FEBID) on cantilever tips. Beilstein Journal of Nanotechnology, 2017, 8, 2106-2115.	2.8	20
122	Manganite-based magnetic tunnel junctions: new ideas on spin-polarised tunnelling. Journal of Magnetism and Magnetic Materials, 2000, 211, 160-166.	2.3	19
123	Temperature dependence of magnetization under high fields in Re-based double perovskites. Journal of Physics Condensed Matter, 2007, 19, 506206.	1.8	19
124	Critical current modulation induced by an electric field in superconducting tungsten-carbon nanowires. Scientific Reports, 2021, 11, 17698.	3.3	19
125	Oxygen-isotope effect on the field-induced metal-insulator transition in. Solid State Communications, 1998, 105, 567-570.	1.9	18
126	Tunneling magnetoresistance in Fe/MgO granular multilayers. Journal of Applied Physics, 2010, 107, 033704.	2.5	18

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127	Chemical and structural analysis of sub-20Ânm graphene patterns generated by scanning probe lithography. Carbon, 2018, 129, 281-285.	10.3	18
128	Long-range vortex transfer in superconducting nanowires. Scientific Reports, 2019, 9, 12386.	3.3	18
129	Nanowire Magnetic Force Sensors Fabricated by Focused-Electron-Beam-Induced Deposition. Physical Review Applied, 2020, 13, .	3.8	18
130	Magnetostriction effects. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 788-796.	2.3	17
131	In situ real-time annealing of ultrathin vertical Fe nanowires grown by focused electron beam induced deposition. Acta Materialia, 2019, 174, 379-386.	7.9	17
132	Magnetoelastic coupling in Sr₂(Fe_{1â^'x}Cr_x)ReO₆double perovskites. Journal of Physics Condensed Matter, 2007, 19, 436226.	1.8	16
133	Enhanced Magnetotransport in Nanopatterned Manganite Nanowires. Nano Letters, 2014, 14, 423-428.	9.1	16
134	Allâ€€arbon Electrode Molecular Electronic Devices Based on Langmuirâ€“Blodgett Monolayers. Small, 2017, 13, 1603207.	10.0	16
135	Transmission XMCD-PEEM imaging of an engineered vertical FEBID cobalt nanowire with a domain wall. Nanotechnology, 2018, 29, 045704.	2.6	16
136	Colossal magnetoresistance inCaxSr2â^'xFeReO6double perovskites due to field-induced phase coexistence. Physical Review B, 2007, 75, .	3.2	15
137	Structural and magnetic properties of amorphous iron oxide. Physica B: Condensed Matter, 2010, 405, 1202-1206.	2.7	15
138	Modification of domain-wall propagation in Co nanowires via Ga+ irradiation. European Physical Journal B, 2013, 86, 1.	1.5	15
139	Half-hedgehog spin textures in sub-100 nm soft magnetic nanodots. Nanoscale, 2020, 12, 18646-18653.	5.6	15
140	Magnetoresistance and magnetostriction of Co2Cr0.6Fe0.4Al Heusler alloy. Solid State Communications, 2007, 142, 363-367.	1.9	14
141	Growth of Sr2CrReO6 epitaxial thin films by pulsed laser deposition. Journal of Magnetism and Magnetic Materials, 2010, 322, 1217-1220.	2.3	14
142	Improvement of domain wall conduit properties in cobalt nanowires by global gallium irradiation. Nanotechnology, 2013, 24, 345703.	2.6	14
143	Suspended tungsten-based nanowires with enhanced mechanical properties grown by focused ion beam induced deposition. Nanotechnology, 2017, 28, 445301.	2.6	14
144	Focused-Electron-Beam Engineering of 3D Magnetic Nanowires. Nanomaterials, 2021, 11, 402.	4.1	14

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145	MÃ¶ssbauer spectroscopy in Sr2FeMoO6 double perovskite. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1089-1091.	2.3	13
146	Two- and three-dimensional magnetic ordering in the bilayer manganiteCa2.5Sr0.5GaMn2O8. Physical Review B, 2006, 74, .	3.2	13
147	Effects of the lanthanide addition to the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">Cr</mml:mi><mml:mi mathvariant="normal">Re</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>double perovskite. Physical Review B, 2007, 75, .	3.2	13
148	Transport properties of superconducting amorphous W-based nanowires fabricated by focused-ion-beam-induced-deposition for applications in Nanotechnology. Materials Research Society Symposia Proceedings, 2009, 1180, 1.	0.1	13
149	Enhanced exchange and reduced magnetization of Gd in an Fe/Gd/Fe trilayer. Physical Review B, 2011, 84, .	3.2	13
150	Functionalized Akiyama tips for magnetic force microscopy measurements. Measurement Science and Technology, 2017, 28, 125401.	2.6	13
151	High Volume-Per-Dose and Low Resistivity of Cobalt Nanowires Grown by Ga+ Focused Ion Beam Induced Deposition. Nanomaterials, 2019, 9, 1715.	4.1	13
152	Omnipresence of Weak Antilocalization (WAL) in Bi2Se3 Thin Films: A Review on Its Origin. Nanomaterials, 2021, 11, 1077.	4.1	13
153	Chemical solution synthesis and ferromagnetic resonance of epitaxial thin films of yttrium iron garnet. Physical Review Materials, 2017, 1, .	2.4	13
154	Local Magnetic and Electronic Properties of the A2FeM'O6 (A = Ba, Sr, Ca, M' = Mo, Re) Double Perovskites. Acta Physica Polonica A, 2007, 111, 797-820.	0.5	13
155	Exploring the conduction in atomic-sized metallic constrictions created by controlled ion etching. Nanotechnology, 2008, 19, 415302.	2.6	12
156	Structural and magnetotransport properties of Bi thin films grown by thermal evaporation. Journal of Magnetism and Magnetic Materials, 2010, 322, 1460-1463.	2.3	12
157	Diameter modulation of 3D nanostructures in focused electron beam induced deposition using local electric fields and beam defocus. Nanotechnology, 2019, 30, 505302.	2.6	12
158	Effects of La, Nd and Sm substitution of Sr in Sr2CrReO6 on the structural, magnetic and transport properties. Solid State Sciences, 2010, 12, 1121-1130.	3.2	11
159	Determination of the percolation threshold in Fe/MgO magnetic granular multilayers. Journal of Physics Condensed Matter, 2010, 22, 056003.	1.8	11
160	Tunneling magnetoresistance in epitaxial discontinuous Fe/MgO multilayers. Applied Physics Letters, 2011, 98, 122502.	3.3	10
161	Autocatalytic growth of Co on pure Co surfaces using Co2(CO)8 precursor. Applied Surface Science, 2012, 263, 242-246.	6.1	10
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