

J M De Teresa

List of Publications by Year in descending order

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218
papers

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citations

36271

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224
all docs

224
docs citations

224
times ranked

8925
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for magnetic polarons in the magnetoresistive perovskites. <i>Nature</i> , 1997, 386, 256-259.	13.7	937
2	Spin-to-charge conversion using Rashba coupling at the interface between non-magnetic materials. <i>Nature Communications</i> , 2013, 4, 2944.	5.8	661
3	Role of Metal-Oxide Interface in Determining the Spin Polarization of Magnetic Tunnel Junctions. <i>Science</i> , 1999, 286, 507-509.	6.0	566
4	Double perovskites with ferromagnetism above room temperature. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 023201.	0.7	370
5	Inverse Tunnel Magnetoresistance in $\text{Co/SrTiO}_3/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$: New Ideas on Spin-Polarized Tunneling. <i>Physical Review Letters</i> , 1999, 82, 4288-4291.	2.9	350
6	Influence of oxygen content on the structural, magnetotransport, and magnetic properties of $\text{LaMnO}_{3+\delta}$. <i>Physical Review B</i> , 1997, 56, 8902-8911.	1.1	328
7	Spontaneous behavior and magnetic field and pressure effects on $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ perovskite. <i>Physical Review B</i> , 1996, 54, 1187-1193.	1.1	266
8	Spin-Glass Insulator State in $(\text{Tb-La})_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ Perovskite. <i>Physical Review Letters</i> , 1996, 76, 3392-3395.	2.9	259
9	Large magnetoresistance in $\text{Fe/MgO/FeCo}(001)$ epitaxial tunnel junctions on $\text{GaAs}(001)$. <i>Applied Physics Letters</i> , 2001, 79, 1655-1657.	1.5	229
10	Structural, magnetic, and transport properties of the giant magnetoresistive perovskites $\text{La}_{2/3}\text{Ca}_{1/3}\text{Mn}_{1-x}\text{Al}_x\text{O}_3$. <i>Physical Review B</i> , 1997, 55, 8905-8910.	1.1	228
11	Structural and magnetic properties of double perovskites $\text{AA}'\text{FeMoO}_6$ ($\text{AA}' = \text{Ba}_2, \text{BaSr}, \text{Sr}_2$ and Ca_2). <i>Journal of Physics Condensed Matter</i> , 2000, 12, 8295-8308.	0.7	195
12	Structural and magnetic study of $\text{Tb}_{1-x}\text{Ca}_x\text{MnO}_3$ perovskites. <i>Physical Review B</i> , 2000, 62, 5609-5618.	1.1	168
13	Three dimensional magnetic nanowires grown by focused electron-beam induced deposition. <i>Scientific Reports</i> , 2013, 3, 1492.	1.6	148
14	Magnetotransport properties of high-quality cobalt nanowires grown by focused-electron-beam-induced deposition. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 055005.	1.3	145
15	Review of magnetic nanostructures grown by focused electron beam induced deposition (FEBID). <i>Journal Physics D: Applied Physics</i> , 2016, 49, 243003.	1.3	124
16	Direct observation of melting in a two-dimensional superconducting vortex lattice. <i>Nature Physics</i> , 2009, 5, 651-655.	6.5	115
17	Ultrasmall Functional Ferromagnetic Nanostructures Grown by Focused Electron-Beam-Induced Deposition. <i>ACS Nano</i> , 2011, 5, 7781-7787.	7.3	105
18	Strong influence of the Mn^{3+} content on the binding energy of the lattice polarons in manganese perovskites. <i>Physical Review B</i> , 1998, 58, R5928-R5931.	1.1	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.	0.7	94
20	Large low-field magnetoresistance and TC in polycrystalline $(\text{Ba}_{0.8}\text{Sr}_{0.2})_{2-x}\text{La}_x\text{FeMoO}_6$ double perovskites. Applied Physics Letters, 2002, 80, 4573-4575.	1.5	94
21	Impact of cation size on magnetic properties of $(\text{AA}^{\oplus 2})_2\text{FeReO}_6$ double perovskites. Physical Review B, 2004, 69, .	1.1	90
22	Magnetic field-induced dissipation-free state in superconducting nanostructures. Nature Communications, 2013, 4, 1437.	5.8	90
23	Origin of inverse Rashba-Edelstein effect detected at the Cu/Bi interface using lateral spin valves. Physical Review B, 2016, 93, .	1.1	87
24	Magnetic versus orbital polarons in colossal magnetoresistance manganites. Physical Review B, 2002, 65, .	1.1	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.	1.5	83
26	Oxygen isotope effects in $(\text{La}_{0.5}\text{Nd}_{0.5})_{2/3}\text{Ca}_{1/3}\text{MnO}_3$: Relevance of the electron-phonon interaction to the phase segregation. Physical Review B, 1998, 57, 7446-7449.	1.1	77
27	Charge localization, magnetic order, structural behavior, and spin dynamics of $(\text{La}^{\oplus}\text{Tb})_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ manganese perovskites probed by neutron diffraction and muon spin relaxation. Physical Review B, 1997, 56, 3317-3324.	1.1	75
28	Origin of the giant magnetic moment in epitaxial $\text{Fe}/\text{La}_{1-x}\text{Tb}_x\text{MnO}_3$ films. Physical Review B, 2010, 81, .	1.1	75
29	GMR sensors and magnetic nanoparticles for immuno-chromatographic assays. Journal of Magnetism and Magnetic Materials, 2012, 324, 3495-3498.	1.0	75
30	Magnetoresistance and spin electronics. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 68-76.	1.0	74
31	Anomalous Hall effect in Fe (001) epitaxial thin films over a wide range in conductivity. Physical Review B, 2009, 79, .	1.1	74
32	Intergrain magnetoresistance up to 50 T in the half-metallic $(\text{Ba}_{0.8}\text{Sr}_{0.2})_2\text{FeMoO}_6$ double perovskite: Spin-glass behavior of the grain boundary. Physical Review B, 2005, 71, .	1.1	70
33	Enhancement of long-range correlations in a 2D vortex lattice by an incommensurate 1D disorder potential. Nature Physics, 2014, 10, 851-856.	6.5	69
34	Focused Electron and Ion Beam Induced Deposition on Flexible and Transparent Polycarbonate Substrates. ACS Nano, 2015, 9, 6139-6146.	7.3	68
35	High-purity cobalt nanostructures grown by focused-electron-beam-induced deposition at low current. Microelectronic Engineering, 2010, 87, 1550-1553.	1.1	67
36	Nanoscale superconducting properties of amorphous W-based deposits grown with a focused-ion-beam. New Journal of Physics, 2008, 10, 093005.	1.2	66

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37	Control of the spin to charge conversion using the inverse Rashba-Edelstein effect. Applied Physics Letters, 2015, 106, .	1.5	66
38	Vertical Growth of Superconducting Crystalline Hollow Nanowires by He ⁺ Focused Ion Beam Induced Deposition. Nano Letters, 2018, 18, 1379-1386.	4.5	66
39	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. Physical Review B, 1997, 56, 8252-8256.	1.1	65
40	The influence of single-walled carbon nanotube functionalization on the electronic properties of their polyaniline composites. Carbon, 2008, 46, 1909-1917.	5.4	64
41	3D Magnetic Induction Maps of Nanoscale Materials Revealed by Electron Holographic Tomography. Chemistry of Materials, 2015, 27, 6771-6778.	3.2	64
42	Domain wall conduit behavior in cobalt nanowires grown by focused electron beam induced deposition. Applied Physics Letters, 2009, 94, 192509.	1.5	63
43	Distinguishing magnetic and electrostatic interactions by a Kelvin probe force microscopy magnetic force microscopy combination. Beilstein Journal of Nanotechnology, 2011, 2, 552-560.	1.5	62
44	Writing 3D Nanomagnets Using Focused Electron Beams. Materials, 2020, 13, 3774.	1.3	61
45	Mesoscopic Magnetic States in Metallic Alloys with Strong Electronic Correlations: A Percolative Scenario for CeNi _{1-x} Cu _x . Physical Review Letters, 2007, 98, 166406.	2.9	60
46	Magnetization reversal in individual cobalt micro- and nanowires grown by focused-electron-beam-induced-deposition. Nanotechnology, 2009, 20, 475704.	1.3	60
47	Artificial Double-Helix for Geometrical Control of Magnetic Chirality. ACS Nano, 2020, 14, 8084-8092.	7.3	58
48	Universal scaling of the anomalous Hall effect in $\text{Fe}_{1-x}\text{O}_x$ epitaxial thin films. Physical Review B, 2008, 77, .		
49	Metal-insulator transition in Pt-C nanowires grown by focused-ion-beam-induced deposition. Physical Review B, 2009, 79, .	1.1	57
50	Structural, magnetic and transport properties of Sr ₂ Fe _{1-x} Cr _x MoO _{6-y} . Solid State Sciences, 2002, 4, 651-660.	1.5	55
51	Peculiar ferromagnetic insulator state in the low-hole-doped manganites. Physical Review B, 2003, 67, .	1.1	55
52	Investigation of the high Curie temperature in Sr ₂ CrReO ₆ . Physical Review B, 2005, 71, .	1.1	54
53	Three-Dimensional Superconducting Nanohelices Grown by He ⁺ -Focused-Ion-Beam Direct Writing. Nano Letters, 2019, 19, 8597-8604.	4.5	52
54	Investigation of the influence on graphene by using electron-beam and photo-lithography. Solid State Communications, 2011, 151, 1574-1578.	0.9	49

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73	Mass Sensing for the Advanced Fabrication of Nanomechanical Resonators. Nano Letters, 2019, 19, 6987-6992.	4.5	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.	1.7	34
75	Grain-boundary magnetoresistance up to 42 T in cold-pressed Fe ₃ O ₄ nanopowders. Journal of Applied Physics, 2005, 97, 084317.	1.1	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.	0.7	34
77	Present and future applications of magnetic nanostructures grown by FEBID. Applied Physics A: Materials Science and Processing, 2014, 117, 1645-1658.	1.1	34
78	Increase of Curie temperature in fixed ionic radius Ba _{1-x} Sr _{1-3x} La _{2x} FeMoO ₆ double perovskites. European Physical Journal B, 2004, 39, 35-40.	0.6	33
79	Magnetization of Re-based double perovskites: Noninteger saturation magnetization disclosed. Applied Physics Letters, 2007, 90, 252514.	1.5	33
80	Three-dimensional core-shell ferromagnetic nanowires grown by focused electron beam induced deposition. Nanotechnology, 2016, 27, 285302.	1.3	33
81	Preparation and properties of epitaxial La _{0.7} Ca _{0.3} MnO ₃ films with reduced carrier density. Journal of Physics Condensed Matter, 2000, 12, 7099-7109.	0.7	32
82	NMR study of double perovskite Sr ₂ FeMoO ₆ . Journal of Magnetism and Magnetic Materials, 2002, 242-245, 701-703.	1.0	32
83	Magnetotransport properties of Fe ₃ O ₄ thin films for applications in spin electronics. Microelectronic Engineering, 2007, 84, 1660-1664.	1.1	32
84	Giant planar Hall effect in epitaxial $\text{Fe}_{1-x}\text{Mn}_x\text{O}_6$ films and its temperature dependence. Physical Review B, 2008, 78, .	1.1	32
85	Weak-antilocalization signatures in the magnetotransport properties of individual electrodeposited Bi Nanowires. Applied Physics Letters, 2010, 96, .	1.5	31
86	Ultra-fast direct growth of metallic micro- and nano-structures by focused ion beam irradiation. Scientific Reports, 2019, 9, 14076.	1.6	31
87	Field effect on phase segregation in the electron-doped mixed-valence manganites near a structural instability. Physical Review B, 2002, 65, .	1.1	30
88	Correlation between the synthesis conditions and the compositional and magnetic properties of Co ₂ (Cr _{1-x} Fe _x)Al Heusler alloys. Journal of Alloys and Compounds, 2008, 450, 31-38.	2.8	30
89	Magnetic properties of Fe ²⁺ /MgO granular multilayers prepared by pulsed laser deposition. Journal of Applied Physics, 2009, 105, 063909.	1.1	30
90	Colossal magnetoresistance in manganese oxide perovskites. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 846-849.	1.0	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.	2.4	29
92	NanoSQUID Magnetometry on Individual As-grown and Annealed Co Nanowires at Variable Temperature. Nano Letters, 2018, 18, 7674-7682.	4.5	29
93	Study of Structural, Magnetic, and Electrical Properties of $\text{La}_{2/3}\text{Ca}_{1/3}\text{Mn}_{1-x}\text{In}_x\text{O}_3$ Perovskites. Journal of Solid State Chemistry, 1998, 138, 226-231.	1.4	28
94	Structural and magnetic details of 3d-element doped $\text{SrFe}_{0.75}\text{Tl}_{0.25}\text{MoO}_6$. Solid State Sciences, 2004, 6, 419-431.	1.5	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.	1.0	28
96	Crossover from charge-localized state to charge-ordered state in $\text{Pr}_{23}\text{Ca}_{13}\text{MnO}_3$. Physical Review B, 1996, 54, R12689-R12692.	1.1	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.	2.9	27
98	Arrays of Densely Packed Isolated Nanowires by Focused Beam Induced Deposition Plus Ar ⁺ Milling. ACS Nano, 2014, 8, 3788-3795.	7.3	27
99	High-field Hall effect and magnetoresistance in Fe_3O_4 epitaxial thin films up to 30 Tesla. Applied Physics Letters, 2009, 95, .	1.5	26
100	^{55}Mn nuclear magnetic resonance study of mixed-valence manganites. Journal of Physics Condensed Matter, 1999, 11, 4079-4086.	0.7	25
101	Large magnetoresistance in $(\text{AA}^{\prime})_2\text{FeReO}_6$ double perovskites. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1043-1049.	1.0	25
102	Quantitative in situ magnetization reversal studies in Lorentz microscopy and electron holography. Ultramicroscopy, 2013, 134, 144-154.	0.8	25
103	Customized MFM probes based on magnetic nanorods. Nanoscale, 2020, 12, 10090-10097.	2.8	25
104	Giant magnetoresistance in bulk. Solid State Communications, 1995, 96, 627-630.	0.9	24
105	Giant magnetostriction in $\text{Ca}_2\text{FeReO}_6$ double perovskite. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 843-845.	1.0	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.	1.3	24
107	Comparison between Focused Electron/Ion Beam-Induced Deposition at Room Temperature and under Cryogenic Conditions. Micromachines, 2019, 10, 799.	1.4	24
108	Tailoring the physical properties of thin nanohole arrays grown on flat anodic aluminum oxide templates. Nanotechnology, 2012, 23, 425701.	1.3	23

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109	Optimized cobalt nanowires for domain wall manipulation imaged by <i>in situ</i> Lorentz microscopy. Applied Physics Letters, 2013, 102, .	1.5	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.	1.5	23
112	Correlation between magnetovolume and giant magnetoresistance effects in doped La _{2/3} Ca _{1/3} MnO ₃ perovskites. Journal of Applied Physics, 1996, 79, 5175.	1.1	22
113	Detailed neutron study of the crossover from long-range to short-range magnetic ordering in (Nd _{1-x} Tbx) _{0.55} Sr _{0.45} MnO ₃ manganites. Physical Review B, 2006, 74, .	1.1	22
114	High Conductivity in Hydrothermally Grown AgCuO ₂ Single Crystals Verified Using Focused-Ion-Beam-Deposited Nanocontacts. Inorganic Chemistry, 2010, 49, 10977-10983.	1.9	22
115	The nature of graphene-metal bonding probed by Raman spectroscopy: the special case of cobalt. Journal Physics D: Applied Physics, 2016, 49, 105301.	1.3	22
116	Quantitative analysis of the weak anti-localization effect in ultrathin bismuth films. Europhysics Letters, 2011, 95, 37002.	0.7	21
117	Competition between Superconductor and Ferromagnetic stray magnetic fields in YBa ₂ Cu ₃ O _{7-x} films pierced with Co nano-rods. Scientific Reports, 2017, 7, 5663.	1.6	21
118	Field-induced magnetostructural phase transition in double perovskite $Ca_{1-x}Mn_xMg_{1-x}Fe_xO_{6-\delta}$ via x-ray magnetic circular dichroism. Physical Review B, 2009, 79, .	1.1	20
119	Ferromagnetic superconductor nanocontacts grown by focused electron/ion beam techniques for current-in-plane Andreev Reflection measurements. Solid State Communications, 2011, 151, 37-41.	0.9	20
120	Focused electron beam induced etching of titanium with XeF ₂ . Nanotechnology, 2011, 22, 265304.	1.3	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.	1.5	20
122	Manganite-based magnetic tunnel junctions: new ideas on spin-polarised tunnelling. Journal of Magnetism and Magnetic Materials, 2000, 211, 160-166.	1.0	19
123	Temperature dependence of magnetization under high fields in Re-based double perovskites. Journal of Physics Condensed Matter, 2007, 19, 506206.	0.7	19
124	Critical current modulation induced by an electric field in superconducting tungsten-carbon nanowires. Scientific Reports, 2021, 11, 17698.	1.6	19
125	Oxygen-isotope effect on the field-induced metal-insulator transition in. Solid State Communications, 1998, 105, 567-570.	0.9	18
126	Tunneling magnetoresistance in Fe/MgO granular multilayers. Journal of Applied Physics, 2010, 107, 033704.	1.1	18

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127	Chemical and structural analysis of sub-20Ånm graphene patterns generated by scanning probe lithography. Carbon, 2018, 129, 281-285.	5.4	18
128	Long-range vortex transfer in superconducting nanowires. Scientific Reports, 2019, 9, 12386.	1.6	18
129	Nanowire Magnetic Force Sensors Fabricated by Focused-Electron-Beam-Induced Deposition. Physical Review Applied, 2020, 13, .	1.5	18
130	Magnetostriction effects. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 788-796.	1.0	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.	3.8	17
132	Magnetoelastic coupling in $\text{Sr}_{2}(\text{Fe}_{1-x}\text{Cr}_x)\text{ReO}_6$ double perovskites. Journal of Physics Condensed Matter, 2007, 19, 436226.	0.7	16
133	Enhanced Magnetotransport in Nanopatterned Manganite Nanowires. Nano Letters, 2014, 14, 423-428.	4.5	16
134	All-Carbon Electrode Molecular Electronic Devices Based on Langmuir-Blodgett Monolayers. Small, 2017, 13, 1603207.	5.2	16
135	Transmission XMCD-PEEM imaging of an engineered vertical FEBID cobalt nanowire with a domain wall. Nanotechnology, 2018, 29, 045704.	1.3	16
136	Colossal magnetoresistance in $\text{Ca}_x\text{Sr}_{2-x}\text{FeReO}_6$ double perovskites due to field-induced phase coexistence. Physical Review B, 2007, 75, .	1.1	15
137	Structural and magnetic properties of amorphous iron oxide. Physica B: Condensed Matter, 2010, 405, 1202-1206.	1.3	15
138	Modification of domain-wall propagation in Co nanowires via Ga ⁺ irradiation. European Physical Journal B, 2013, 86, 1.	0.6	15
139	Half-hedgehog spin textures in sub-100 nm soft magnetic nanodots. Nanoscale, 2020, 12, 18646-18653.	2.8	15
140	Magnetoresistance and magnetostriction of $\text{Co}_2\text{Cr}_{0.6}\text{Fe}_{0.4}\text{Al}$ Heusler alloy. Solid State Communications, 2007, 142, 363-367.	0.9	14
141	Growth of $\text{Sr}_2\text{CrReO}_6$ epitaxial thin films by pulsed laser deposition. Journal of Magnetism and Magnetic Materials, 2010, 322, 1217-1220.	1.0	14
142	Improvement of domain wall conduit properties in cobalt nanowires by global gallium irradiation. Nanotechnology, 2013, 24, 345703.	1.3	14
143	Suspended tungsten-based nanowires with enhanced mechanical properties grown by focused ion beam induced deposition. Nanotechnology, 2017, 28, 445301.	1.3	14
144	Focused-Electron-Beam Engineering of 3D Magnetic Nanowires. Nanomaterials, 2021, 11, 402.	1.9	14

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145	Mössbauer spectroscopy in Sr ₂ FeMoO ₆ double perovskite. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1089-1091.	1.0	13
146	Two- and three-dimensional magnetic ordering in the bilayer manganite Ca _{2.5} Sr _{0.5} GaMn ₂ O ₈ . Physical Review B, 2006, 74, . Effects of the lanthanide addition to the CrO_2	1.1	13
147	CrO_6 double perovskite. Physical Review B, 2007, 76	1.1	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, .	1.1	13
150	Functionalized Akiyama tips for magnetic force microscopy measurements. Measurement Science and Technology, 2017, 28, 125401.	1.4	13
151	High Volume-Per-Dose and Low Resistivity of Cobalt Nanowires Grown by Ga ⁺ Focused Ion Beam Induced Deposition. Nanomaterials, 2019, 9, 1715.	1.9	13
152	Omnipresence of Weak Antilocalization (WAL) in Bi ₂ Se ₃ Thin Films: A Review on Its Origin. Nanomaterials, 2021, 11, 1077.	1.9	13
153	Chemical solution synthesis and ferromagnetic resonance of epitaxial thin films of yttrium iron garnet. Physical Review Materials, 2017, 1, .	0.9	13
154	Local Magnetic and Electronic Properties of the A ₂ FeM'O ₆ (A = Ba, Sr, Ca, M' = Mo, Re) Double Perovskites. Acta Physica Polonica A, 2007, 111, 797-820.	0.2	13
155	Exploring the conduction in atomic-sized metallic constrictions created by controlled ion etching. Nanotechnology, 2008, 19, 415302.	1.3	12
156	Structural and magnetotransport properties of Bi thin films grown by thermal evaporation. Journal of Magnetism and Magnetic Materials, 2010, 322, 1460-1463.	1.0	12
157	Diameter modulation of 3D nanostructures in focused electron beam induced deposition using local electric fields and beam defocus. Nanotechnology, 2019, 30, 505302.	1.3	12
158	Effects of La, Nd and Sm substitution of Sr in Sr ₂ CrReO ₆ on the structural, magnetic and transport properties. Solid State Sciences, 2010, 12, 1121-1130.	1.5	11
159	Determination of the percolation threshold in Fe/MgO magnetic granular multilayers. Journal of Physics Condensed Matter, 2010, 22, 056003.	0.7	11
160	Tunneling magnetoresistance in epitaxial discontinuous Fe/MgO multilayers. Applied Physics Letters, 2011, 98, 122502.	1.5	10
161	Autocatalytic growth of Co on pure Co surfaces using Co ₂ (CO) ₈ precursor. Applied Surface Science, 2012, 263, 242-246.	3.1	10
162	Superconducting Materials and Devices Grown by Focused Ion and Electron Beam Induced Deposition. Nanomaterials, 2022, 12, 1367.	1.9	10

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163	Possible quantum critical point in $(\text{La}_{1-x}\text{Dy}_x)\text{O}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. <i>Physical Review B</i> , 2006, 74, .	1.1	9
164	Andreev reflection under high magnetic fields in ferromagnet-superconductor nanocontacts. <i>Physical Review B</i> , 2011, 84, .	1.1	9
165	Correlation between the magnetic imaging of cobalt nanoconstrictions and their magnetoresistance response. <i>Nanotechnology</i> , 2012, 23, 105703.	1.3	9
166	Plasmonic control of extraordinary optical transmission in the infrared regime. <i>Nanotechnology</i> , 2016, 27, 505202.	1.3	9
167	3D superconducting hollow nanowires with tailored diameters grown by focused He ⁺ beam direct writing. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1198-1206.	1.5	9
168	Magnetic coupling in epitaxial TM/MgO/Fe(001) (TM=FeCo, Fe/Co, Fe) macroscopic and microscopic trilayers. <i>Journal of Applied Physics</i> , 2003, 94, 4006-4012.	1.1	8
169	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> , 2006, 385-386, 401-404.	1.3	8
170	Optimization of Pt-C Deposits by Cryo-FIBID: Substantial Growth Rate Increase and Quasi-Metallic Behaviour. <i>Nanomaterials</i> , 2020, 10, 1906.	1.9	8
171	Topotactic transformation in SrFeO ₃ triggered by low-dose Ga ⁺ focused ion irradiation. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	8
172	Superconducting properties of in-plane W-C nanowires grown by He ⁺ focused ion beam induced deposition. <i>Nanotechnology</i> , 2021, 32, 085301.	1.3	8
173	Fe ₃ O ₄ /MgO/Fe Heteroepitaxial Structures for Magnetic Tunnel Junctions. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2862-2864.	1.2	7
174	Superconducting density of states at the border of an amorphous thin film grown by focused-ion-beam. <i>Journal of Physics: Conference Series</i> , 2009, 150, 052064.	0.3	7
175	Correlations among magnetic, electrical and magneto-transport properties of NiFe nanohole arrays. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 066007.	0.7	7
176	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> , 2016, 7, 1698-1708.	1.5	7
177	Anisotropic magnetostriction and huge thermal expansion in valence fluctuating Ce(Ni _{1-x} Sn _x). <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 1219-1220.	1.0	6
178	Fe ₃ O ₄ Epitaxial Thin Films and Heterostructures: Magnetotransport and Magnetic Properties. <i>Advances in Science and Technology</i> , 2010, 67, 82-91.	0.2	6
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