

Manuel Vazquez

List of Publications by Year in descending order

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808
papers

20,042
citations

15466

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docs citations

822
times ranked

8146
citing authors

#	ARTICLE	IF	CITATIONS
1	Cylindrical nanowire arrays: From advanced fabrication to static and microwave magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 543, 168634.	1.0	14
2	Distinguishing Local Demagnetization Contribution to the Magnetization Process in Multisegmented Nanowires. <i>Nanomaterials</i> , 2022, 12, 1968.	1.9	2
3	Magnetolectric Polymer-Based Nanocomposites with Magnetically Controlled Antimicrobial Activity. <i>ACS Applied Bio Materials</i> , 2021, 4, 559-570.	2.3	20
4	Stochastic vs. deterministic magnetic coding in designed cylindrical nanowires for 3D magnetic networks. <i>Nanoscale</i> , 2021, 13, 12587-12593.	2.8	7
5	Magnetic Configurations in Modulated Cylindrical Nanowires. <i>Nanomaterials</i> , 2021, 11, 600.	1.9	29
6	Cylindrical Magnetic Nanowires Applications. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-17.	1.2	28
7	Field tunable three-dimensional magnetic nanotextures in cobalt-nickel nanowires. <i>Physical Review Research</i> , 2021, 3, .	1.3	6
8	Matteucci Effect and Single Domain Wall Propagation in Bistable Microwire under Applied Torsion. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100284.	0.8	4
9	Estimation of activation energy and reliability figures of space lattice-matched GaInP/Ga(In)As/Ge triple junction solar cells from Temperature Accelerated Life Tests. <i>Solar Energy Materials and Solar Cells</i> , 2021, 230, 111211.	3.0	8
10	Evidence of Skyrmion-Tube Mediated Magnetization Reversal in Modulated Nanowires. <i>Materials</i> , 2021, 14, 5671.	1.3	4
11	On the path to novel magnetic cores: Electromagnetic simulations of amorphous magnetic microwires for inductive applications. <i>AIP Advances</i> , 2021, 11, .	0.6	1
12	Narrow Segment Driven Multistep Magnetization Reversal Process in Sharp Diameter Modulated Fe ₆₇ Co ₃₃ Nanowires. <i>Nanomaterials</i> , 2021, 11, 3077.	1.9	5
13	Nanoimprinted and Anodized Templates for Large-Scale and Low-Cost Nanopatterning. <i>Nanomaterials</i> , 2021, 11, 3430.	1.9	2
14	Time-resolved motion of a single domain wall controlled by a local tunable barrier. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 498, 166093.	1.0	5
15	An extraordinary chiral exchange-bias phenomenon: engineering the sign of the bias field in orthogonal bilayers by a magnetically switchable response mechanism. <i>Nanoscale</i> , 2020, 12, 1155-1163.	2.8	7
16	Temperature Accelerated Life Test and Failure Analysis on Upright Metamorphic Ga _{0.37} In _{0.63} P/Ga _{0.83} In _{0.17} As/Ge Triple Junction Solar Cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2020, 28, 148-166.	4.4	7
17	Exotic Transverse-Vortex Magnetic Configurations in CoNi Nanowires. <i>ACS Nano</i> , 2020, 14, 1399-1405.	7.3	15
18	Nanopatterned hard/soft bilayer magnetic antidot arrays with long-range periodicity. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 498, 166142.	1.0	5

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19	Electric current and field control of vortex structures in cylindrical magnetic nanowires. Physical Review B, 2020, 102, .	1.1	14
20	Enhanced in-plane magnetic anisotropy in thermally treated arrays of Co-Pt nanowires. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 261, 114669.	1.7	5
21	Unveiling the Origin of Multidomain Structures in Compositionally Modulated Cylindrical Magnetic Nanowires. ACS Nano, 2020, 14, 12819-12827.	7.3	19
22	Warranty assessment of photovoltaic modules based on a degradation probabilistic model. Progress in Photovoltaics: Research and Applications, 2020, 28, 1308-1321.	4.4	11
23	Lifetime Analysis of Commercial 3 W UV-A LED. Crystals, 2020, 10, 1083.	1.0	6
24	Cylindrical micro and nanowires: Fabrication, properties and applications. Journal of Magnetism and Magnetic Materials, 2020, 513, 167074.	1.0	36
25	Plasmonic coupling in closed-packed ordered gallium nanoparticles. Scientific Reports, 2020, 10, 4187.	1.6	17
26	Dependence of the noise of an orthogonal fluxgate on the composition of its amorphous wire-core. AIP Advances, 2020, 10, .	0.6	9
27	Magnetic imaging of individual modulated cylindrical nanowires. , 2020, , 455-489.		2
28	Transparent Magnetoelectric Materials for Advanced Invisible Electronic Applications. Advanced Electronic Materials, 2019, 5, 1900280.	2.6	16
29	Present status and main guidelines of IEC 62787: "Concentrator photovoltaic (CPV) solar cells and cell-on-carrier (CoC) assemblies" qualification. AIP Conference Proceedings, 2019, , .	0.3	1
30	Ion irradiation assisted structural relaxation of Cr-FINEMET alloy. AIP Conference Proceedings, 2019, , .	0.3	0
31	Strain-magnetization effect in superelastic Ni-Mn-Ga microfiber. Scripta Materialia, 2019, 162, 397-401.	2.6	6
32	Geometrically designed domain wall trap in tri-segmented nickel magnetic nanowires for spintronics devices. Scientific Reports, 2019, 9, 9010.	1.6	29
33	Stepwise magnetization reversal of geometrically tuned in diameter Ni and FeCo bi-segmented nanowire arrays. Nano Research, 2019, 12, 1547-1553.	5.8	20
34	Modeling magnetic-field-induced domain wall propagation in modulated-diameter cylindrical nanowires. Scientific Reports, 2019, 9, 5130.	1.6	23
35	Consequences of aging on ferromagnetic amorphous Fe ₇₅ Si ₁₀ B ₁₅ microwires for advanced inductive applications. AIP Advances, 2019, 9, .	0.6	1
36	Investigation of split CoFeB/Ta/CoFeB/MgO stacks for magnetic memories applications. Journal of Magnetism and Magnetic Materials, 2019, 473, 355-359.	1.0	12

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37	Magnetization pinning in modulated nanowires: from topological protection to the "corkscrew" mechanism. <i>Nanoscale</i> , 2018, 10, 5923-5927.	2.8	51
38	Epitaxial integration of CoFe ₂ O ₄ thin films on Si (001) surfaces using TiN buffer layers. <i>Applied Surface Science</i> , 2018, 436, 1067-1074.	3.1	15
39	Antidot patterned single and bilayer thin films based on ferrimagnetic Tb-Co alloy with perpendicular magnetic anisotropy. <i>Nanotechnology</i> , 2018, 29, 065301.	1.3	8
40	Thermo-responsive PNIPAm nanopillars displaying amplified responsiveness through the incorporation of nanoparticles. <i>Nanoscale</i> , 2018, 10, 1189-1195.	2.8	19
41	Soft magnetic materials for sensor applications in the high frequency range. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 459, 154-158.	1.0	18
42	Correlation of Microstructure with Hard Magnetic Properties of Glass-Coated MnBi Microwires. <i>MRS Advances</i> , 2018, 3, 3635-3640.	0.5	0
43	Influence of concentration and solar cell size on the warranty time of triple junction solar cells. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
44	A Comparative Study of Magnetic Properties of Large Diameter Co Nanowires and Nanotubes. <i>Nanomaterials</i> , 2018, 8, 692.	1.9	28
45	Self-assembly of highly ordered plasmonic gallium nanoparticles driven by nanopatterning. <i>Nano Futures</i> , 2018, 2, 041001.	1.0	11
46	Rare earth-free hard magnetic microwires. <i>Scripta Materialia</i> , 2018, 153, 40-43.	2.6	7
47	Magnetization Ratchet in Cylindrical Nanowires. <i>ACS Nano</i> , 2018, 12, 5932-5939.	7.3	63
48	Micromagnetic evaluation of the dissipated heat in cylindrical magnetic nanowires. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	15
49	Time-resolved velocity of a domain wall in a magnetic microwire. <i>Journal of Alloys and Compounds</i> , 2018, 767, 106-111.	2.8	13
50	Invariance of the magnetic behavior and AMI in ferromagnetic biphasic films with distinct non-magnetic metallic spacers. <i>Physica B: Condensed Matter</i> , 2017, 506, 133-137.	1.3	3
51	Nanocrystalline Magnetic Glass-Coated Microwires Using the Effect of Superparamagnetism Are Usable as Temperature Sensors in Biomedical Applications. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-5.	1.2	6
52	Magnetic hardening and domain structure in Co/Pt antidots with perpendicular anisotropy. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 065003.	1.3	10
53	Co/Au multisegmented nanowires: a 3D array of magnetostatically coupled nanopillars. <i>Nanotechnology</i> , 2017, 28, 095709.	1.3	32
54	Doubling of the magnetic energy product in ferromagnetic nanowires at ambient temperature by capping their tips with an antiferromagnet. <i>Nanotechnology</i> , 2017, 28, 295402.	1.3	7

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55	Reliability of commercial triple junction concentrator solar cells under real climatic conditions and its influence on electricity cost. <i>Progress in Photovoltaics: Research and Applications</i> , 2017, 25, 905-918.	4.4	9
56	A colloidally stable water dispersion of Ni nanowires as an efficient T ₂ -MRI contrast agent. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3338-3347.	2.9	26
57	Electrochemical nucleation and growth of Fe, Pt and Fe/Pt on n-type Si (001). <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2017, 53, 57-67.	0.3	2
58	Effect of Annealing on Domain Wall Mass in Amorphous FeCoMoB Microwires. <i>IEEE Transactions on Magnetism</i> , 2017, 53, 1-4.	1.2	1
59	Identifying weakly-interacting single domain states in Ni nanowire arrays by FORC. <i>Journal of Alloys and Compounds</i> , 2017, 699, 421-429.	2.8	26
60	Modeling of effective anisotropies in FeCo and Co nanowires. , 2017, , .		1
61	Direct observation of transverse and vortex metastable magnetic domains in cylindrical nanowires. <i>Physical Review B</i> , 2017, 96, .	1.1	29
62	Multisegmented Nanowires: a Step towards the Control of the Domain Wall Configuration. <i>Scientific Reports</i> , 2017, 7, 11576.	1.6	48
63	Effective anisotropies in magnetic nanowires using the torque method. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 443, 378-384.	1.0	3
64	Failure analysis on lattice matched GaInP/Ga(In)As/Ge commercial concentrator solar cells after temperature accelerated life tests. <i>Progress in Photovoltaics: Research and Applications</i> , 2017, 25, 97-112.	4.4	14
65	Antidot patterned single and bilayer thin films based on ferrimagnetic Tb-Co alloys with tailored magnetic anisotropy. , 2017, , .		0
66	Temperature Microsensor/Microactuator Based on Magnetic Microwire for MEMS Applications. <i>IEEE Transactions on Magnetism</i> , 2017, 53, 1-4.	1.2	2
67	Effect of annealing on domain wall mass in amorphous FeCo-MoB microwires. , 2017, , .		0
68	Shape Memory and Huge Superelasticity in Ni/Mn/Ga Glass-Coated Fibers. <i>Coatings</i> , 2017, 7, 5.	1.2	4
69	Magnetically Bistable Microwires: Properties and Applications for Magnetic Field, Temperature, and Stress Sensing. <i>Springer Series in Materials Science</i> , 2017, , 169-212.	0.4	8
70	Effect of Current Annealing on Domain Structure in Amorphous and Nanocrystalline FeCoMoB Microwires. <i>Acta Physica Polonica A</i> , 2017, 131, 681-683.	0.2	5
71	Functional Analysis in Long-Term Operation of High Power UV-LEDs in Continuous Fluoro-Sensing Systems for Hydrocarbon Pollution. <i>Sensors</i> , 2016, 16, 293.	2.1	4
72	Study of the single domain wall structure in glass-coated microwires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 356-362.	0.8	9

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73	Domain wall pinning in FeCoCu bamboo-like nanowires. Scientific Reports, 2016, 6, 29702.	1.6	49
74	Single crystalline cylindrical nanowires toward dense 3D arrays of magnetic vortices. Scientific Reports, 2016, 6, 23844.	1.6	45
75	Magnetic properties engineering of nanopatterned cobalt antidot arrays. Journal Physics D: Applied Physics, 2016, 49, 175004.	1.3	11
76	The role of the crystal orientation (c-axis) on switching field distribution and the magnetic domain configuration in electrodeposited hcp CoPt nanowires. Journal Physics D: Applied Physics, 2016, 49, 185006.	1.3	2
77	Accelerated Life Test of high luminosity blue LEDs. Microelectronics Reliability, 2016, 64, 631-634.	0.9	17
78	Magnetic properties and magnetoimpedance of short CuBe/CoFeNi electroplated microtubes. Sensors and Actuators A: Physical, 2016, 248, 155-161.	2.0	7
79	Magnetic interactions in compositionally modulated nanowire arrays. Nanotechnology, 2016, 27, 435705.	1.3	22
80	Quantitative Nanoscale Magnetic Study of Isolated Diameter-Modulated FeCoCu Nanowires. ACS Nano, 2016, 10, 9669-9678.	7.3	54
81	Compositionally graded Fe(1-x)-Pt(x) nanowires produced by alternating current electrodeposition into alumina templates. Journal of Solid State Chemistry, 2016, 244, 35-44.	1.4	7
82	Tunable magnetic nanowires for biomedical and harsh environment applications. Scientific Reports, 2016, 6, 24189.	1.6	88
83	Ferrimagnetic $DyCo$ for Bits in Heat-Assisted Magnetic Recording. Physical Review Applied, 2016, 5, .	1.5	11
84	Synthesis and magnetism of modulated FeCo-based nanowires. Journal of Physics: Conference Series, 2016, 755, 012001.	0.3	9
85	Enhanced magnetocrystalline anisotropy of Fe ₃₀ Co ₇₀ nanowires by Cu additives and annealing. Nanotechnology, 2016, 27, 365704.	1.3	9
86	Addition of molybdenum into amorphous glass-coated microwires usable as temperature sensors in biomedical applications. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 377-383.	0.8	16
87	Magnetization reversal of the transverse domain wall confined between two clusters of magnetic impurities in a ferromagnetic planar nanowire. Journal of Magnetism and Magnetic Materials, 2016, 419, 37-42.	1.0	10
88	Bimagnetic Microwires, Magnetic Properties, and High-Frequency Behavior. Springer Series in Materials Science, 2016, , 279-310.	0.4	3
89	Variation of the refractive index by means of sulfate anion incorporation into nanoporous anodic aluminum oxide films. Microporous and Mesoporous Materials, 2016, 225, 192-197.	2.2	18
90	Spin configuration of cylindrical bamboo-like magnetic nanowires. Journal of Materials Chemistry C, 2016, 4, 978-984.	2.7	52

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91	Exchange bias in sputtered FeNi/FeMn systems: Effect of short low-temperature heat treatments. Journal of Magnetism and Magnetic Materials, 2016, 402, 49-54.	1.0	14
92	Stress-annealing induced anisotropy in FeCrCuNbSiB nanocrystalline wires. , 2015, , .		0
93	Semi-quantitative temperature accelerated life test (ALT) for the reliability qualification of concentrator solar cells and cell on carriers. Progress in Photovoltaics: Research and Applications, 2015, 23, 1857-1866.	4.4	9
94	Mechanical Stress Dependence of the Switching Field in Amorphous Microwires. IEEE Transactions on Magnetism, 2015, 51, 1-4.	1.2	16
95	Asymmetric magnetoimpedance effect in ferromagnetic multilayered biphasic films. Journal of Magnetism and Magnetic Materials, 2015, 393, 260-264.	1.0	11
96	Controlled single-domain wall motion in cylindrical magnetic microwires with axial anisotropy. , 2015, , 379-401.		5
97	Influence of Fixation on Magnetic Properties of Glass-Coated Magnetic Microwires for Biomedical Applications. IEEE Transactions on Magnetism, 2015, 51, 1-4.	1.2	15
98	Arrays of Magnetic Ni Nanowires Grown Inside Polystyrene Nanotubes. Industrial & Engineering Chemistry Research, 2015, 54, 13005-13008.	1.8	7
99	Influence of Sulfur Incorporation into Nanoporous Anodic Alumina on the Volume Expansion and Self-Ordering Degree. Journal of Physical Chemistry C, 2015, 119, 27392-27400.	1.5	18
100	Spin Waves Modes in Cobalt Nanowires Arrays. IEEE Transactions on Magnetism, 2015, 51, 1-4.	1.2	3
101	Magnetic hardening of Fe ₃₀ Co ₇₀ nanowires. Nanotechnology, 2015, 26, 415704.	1.3	32
102	Electromotive force induced by domain wall propagation in cylindrical magnetic microwire. , 2015, , .		0
103	Spin configuration in isolated FeCoCu nanowires modulated in diameter. Nanotechnology, 2015, 26, 395702.	1.3	26
104	Magnetic Nanoparticles of (Co _{0.94} Fe _{0.06}) _{72.5} Si _{12.5} B ₁₅ and Fe ₇₈ Si ₉ B ₁₃ Obtained by Electric Explosion of Amorphous Wires. Key Engineering Materials, 2015, 644, 203-206.	0.4	2
105	Vortex domain wall propagation in periodically modulated diameter FeCoCu nanowire as determined by the magneto-optical Kerr effect. Nanotechnology, 2015, 26, 461001.	1.3	41
106	A soft/hard magnetic nanostructure based on multisegmented CoNi nanowires. Physical Chemistry Chemical Physics, 2015, 17, 5033-5038.	1.3	31
107	Magnetic Microwire Probes for the Magnetic Rod Interfacial Stress Rheometer. Langmuir, 2015, 31, 1410-1420.	1.6	31
108	LC and ferromagnetic resonance in soft/hard magnetic microwires. Journal of Magnetism and Magnetic Materials, 2015, 395, 196-198.	1.0	2

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109	Magnetic Properties of CoFeSiB/CoNi, CoFeSiB/FeNi, FeSiB/CoNi, FeSiB/FeNi Biphasic Microwires in the Temperature Range 295-1200 K. Acta Physica Polonica A, 2015, 127, 591-593.	0.2	2
110	High-power UV-LED degradation: Continuous and cycled working condition influence. Solid-State Electronics, 2015, 111, 111-117.	0.8	23
111	Electrochemical synthesis of magnetic nanowires with controlled geometry and magnetic anisotropy. , 2015, , 41-104.		11
112	Shaping micron-sized cold neutron beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 788, 29-34.	0.7	10
113	Electrochemical synthesis of core-shell magnetic nanowires. Journal of Magnetism and Magnetic Materials, 2015, 389, 144-147.	1.0	14
114	Toward Rare-Earth-Free Permanent Magnets: A Combinatorial Approach Exploiting the Possibilities of Modeling, Shape Anisotropy in Elongated Nanoparticles, and Combinatorial Thin-Film Approach. Jom, 2015, 67, 1318-1328.	0.9	34
115	Correlation between structure and magnetic properties in Co _{100-x} Fe _x nanowires: the roles of composition and wire diameter. Journal Physics D: Applied Physics, 2015, 48, 145304.	1.3	41
116	Magnetization reversal dependence on effective magnetic anisotropy in electroplated Co-Cu nanowire arrays. Journal of Materials Chemistry C, 2015, 3, 4688-4697.	2.7	38
117	Perpendicular Magnetic Anisotropy on W-based Spin-Orbit Torque CoFeB MgO MRAM Stacks. Materials Research Society Symposia Proceedings, 2015, 1729, 73-78.	0.1	2
118	Superparamagnetic properties of carbon nanotubes filled with NiFe ₂ O ₄ nanoparticles. Journal of Applied Physics, 2015, 117, .	1.1	23
119	Spin waves modes in cobalt nanowires arrays. , 2015, , .		0
120	Extraordinary exchange-bias effects in coupled SmCo ₅ (perpendicular)/CoFeB (in-plane) bilayers. , 2015, , .		0
121	Angular dependence of coercivity with temperature in Co-based nanowires. Journal of Magnetism and Magnetic Materials, 2015, 396, 327-332.	1.0	30
122	Tailoring the magnetic anisotropy of CoFeB/MgO stacks onto W with a Ta buffer layer. Applied Physics Letters, 2015, 106, .	1.5	50
123	Temperature accelerated life test on commercial concentrator III-V triple-junction solar cells and reliability analysis as a function of the operating temperature. Progress in Photovoltaics: Research and Applications, 2015, 23, 559-569.	4.4	49
124	Single Domain Wall Propagation at Low Fields. Acta Physica Polonica A, 2014, 126, 30-31.	0.2	0
125	GMI Effect in Annealed Fe ₄₀ Ni ₃₈ Mo ₄ B ₁₈ Microwires. Acta Physica Polonica A, 2014, 126, 74-75.	0.2	0
126	Magnetic Properties of Glass-Coated FeWB Microwires. Acta Physica Polonica A, 2014, 126, 70-71.	0.2	5

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127	Preliminary temperature accelerated life test (ALT) on lattice mismatched triple-junction concentrator solar cells-on-carriers. AIP Conference Proceedings, 2014, , .	0.3	4
128	Temperature Dependence of the Switching Field in Nanocrystalline FeNiMoB Microwires. Acta Physica Polonica A, 2014, 126, 64-65.	0.2	0
129	Alternating Motion of Single-Domain Walls in Uniaxial Magnetic Wire. IEEE Magnetics Letters, 2014, 5, 1-4.	0.6	4
130	Tunable asymmetric magnetoimpedance effect in ferromagnetic NiFe/Cu/Co films. Applied Physics Letters, 2014, 105, .	1.5	30
131	Magnetic behavior of NiCu nanowire arrays: Compositional, geometry and temperature dependence. Journal of Applied Physics, 2014, 116, .	1.1	26
132	High-temperature magnetic behavior of soft/soft and soft/hard Fe and Co-based biphasic microwires. Journal of Applied Physics, 2014, 116, .	1.1	11
133	Domain wall dynamics in nanocrystalline microwires. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1139-1143.	0.8	7
134	Magnetic Properties of Glass-Coated Amorphous and Nanocrystalline FeMoBCu Microwires. IEEE Transactions on Magnetics, 2014, 50, 1-3.	1.2	6
135	Crystallographically driven magnetic behaviour of arrays of monocrystalline Co nanowires. Nanotechnology, 2014, 25, 475702.	1.3	51
136	Application of a polarized neutron microbeam to the investigation of a magnetic microstructure. Physics of the Solid State, 2014, 56, 57-61.	0.2	13
137	Enhancing the velocity of the single domain wall by current annealing in nanocrystalline FeCoMoB microwires. Journal Physics D: Applied Physics, 2014, 47, 255001.	1.3	12
138	Structural and Magnetic Characterization of FeCoCu/Cu Multilayer Nanowire Arrays. IEEE Magnetics Letters, 2014, 5, 1-4.	0.6	15
139	Micromagnetism of permalloy antidot arrays prepared from alumina templates. Nanotechnology, 2014, 25, 475703.	1.3	11
140	Angular first-order reversal curves: an advanced method to extract magnetization reversal mechanisms and quantify magnetostatic interactions. Journal of Physics Condensed Matter, 2014, 26, 116004.	0.7	30
141	A Low-Noise Fundamental-Mode Orthogonal Fluxgate Magnetometer. IEEE Transactions on Magnetics, 2014, 50, 1-3.	1.2	27
142	Vortex magnetic structure in circularly magnetized microwires as deduced from magneto-optical Kerr measurements. Journal of Applied Physics, 2014, 115, .	1.1	10
143	Structural and magnetic characterization of as-prepared and annealed FeCoCu nanowire arrays in ordered anodic aluminum oxide templates. Journal of Applied Physics, 2014, 115, 133904.	1.1	16
144	CoFeCu electroplated nanowire arrays: Role of composition and annealing on structure and magnetic properties. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1076-1082.	0.8	29

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145	UV LEDs reliability tests for fluoro-sensing sensor application. <i>Microelectronics Reliability</i> , 2014, 54, 2154-2158.	0.9	8
146	Domain configuration and magnetization switching in arrays of permalloy nanostripes. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 355, 152-157.	1.0	6
147	Cylindrical magnetization model for glass-coated microwires with circumferential anisotropy: Comparison with experiments and skin effect. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 358-359, 198-203.	1.0	2
148	Electrochemical synthesis and magnetic characterization of periodically modulated Co nanowires. <i>Nanotechnology</i> , 2014, 25, 145301.	1.3	50
149	Temperature dependence of microwave absorption phenomena in single and biphasic soft magnetic microwires. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 368, 126-132.	1.0	10
150	Evaluation of the reliability of high concentrator GaAs solar cells by means of temperature accelerated aging tests. <i>Progress in Photovoltaics: Research and Applications</i> , 2013, 21, 1104-1113.	4.4	36
151	Reliability of a 13% SHS photovoltaic rural electrification programme. <i>Progress in Photovoltaics: Research and Applications</i> , 2013, 21, 1136-1145.	4.4	6
152	Tuning the magnetization reversal process of FeCoCu nanowire arrays by thermal annealing. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	45
153	Magnetic structure of a single-crystal hcp electrodeposited cobalt nanowire. <i>Europhysics Letters</i> , 2013, 102, 17009.	0.7	45
154	Electroplated Bimagnetic Microwires: From Processing to Magnetic Properties and Sensor Devices. <i>Jom</i> , 2013, 65, 890-900.	0.9	14
155	Temperature dependence of the training effect in electrodeposited Co/CoO nanotubes. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	8
156	Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4491-4497.	1.2	29
157	Coercivity dependence on periodicity of Co and Py antidot arrays. <i>Journal of the Korean Physical Society</i> , 2013, 62, 1521-1524.	0.3	7
158	Local magnetization profile and geometry magnetization effects in microwires as determined by magneto-optical Kerr effect. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	18
159	Frequency and temperature dependencies of the switching field in glass-coated FeSiBCr microwire. <i>Journal of Alloys and Compounds</i> , 2013, 569, 9-12.	2.8	9
160	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
161	Magnetic reversal modes in cylindrical nanowires. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 485001.	1.3	126
162	Co nanostructures in ordered templates: comparative FORC analysis. <i>Nanotechnology</i> , 2013, 24, 475703.	1.3	46

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163	Tailoring the magnetic properties of ordered 50-nm-diameter CoNi nanowire arrays. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	29
164	Stable and fast domain wall dynamics in nanocrystalline magnetic microwire. Journal of Alloys and Compounds, 2013, 550, 31-34.	2.8	20
165	Effects of Annealing Treatment on Low and High Frequency Magnetic Properties of Soft/Hard Biphase FeSiB/CoNi Microwires. IEEE Transactions on Magnetics, 2013, 49, 34-37.	1.2	8
166	Magnetic properties of Co nanopillar arrays prepared from alumina templates. Nanotechnology, 2013, 24, 105703.	1.3	76
167	Cylindrical magnetization model for glass-coated microwires with circumferential anisotropy: Dynamics. Journal of Magnetism and Magnetic Materials, 2013, 333, 144-151.	1.0	9
168	Magnetic interactions and reversal mechanisms in Co nanowire and nanotube arrays. Journal of Applied Physics, 2013, 113, .	1.1	95
169	Controlling depinning and propagation of single domain-walls in magnetic microwires. European Physical Journal B, 2013, 86, 1.	0.6	23
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