Manuel Vazquez

List of Publications by Year in Descending Order

779 papers	17,577 citations	61 h-index	91 g-index
822 ext. papers	18,774 ext. citations	3 avg, IF	6.55 L-index

#	Paper	IF	Citations
779	Cylindrical nanowire arrays: From advanced fabrication to static and microwave magnetic properties. *Journal of Magnetism and Magnetic Materials*, **2022**, 543, 168634	2.8	2
778	Narrow Segment Driven Multistep Magnetization Reversal Process in Sharp Diameter Modulated FeCo Nanowires. *Nanomaterials*, **2021**, 11,	5.4	2
777	Cylindrical Magnetic Nanowires Applications. *IEEE Transactions on Magnetics*, **2021**, 57, 1-17	2	9
776	Magnetoelectric Polymer-Based Nanocomposites with Magnetically Controlled Antimicrobial Activity. *ACS Applied Bio Materials*, **2021**, 4, 559-570	4.1	9
775	Stochastic vs. deterministic magnetic coding in designed cylindrical nanowires for 3D magnetic networks. *Nanoscale*, **2021**, 13, 12587-12593	7.7	2
774	Magnetic Configurations in Modulated Cylindrical Nanowires. *Nanomaterials*, **2021**, 11,	5.4	10
773	Field tunable three-dimensional magnetic nanotextures in cobalt-nickel nanowires. *Physical Review Research*, **2021**, 3,	3.9	2
772	Matteucci Effect and Single Domain Wall Propagation in Bistable Microwire under Applied Torsion. *Physica Status Solidi (A) Applications and Materials Science*, **2021**, 218, 2100284	1.6	1
771	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. *Solar Energy Materials and Solar Cells*, **2021**, 230, 111211	6.4	1
770	Evidence of Skyrmion-Tube Mediated Magnetization Reversal in Modulated Nanowires. *Materials*, **2021**, 14,	3.5	2
769	On the path to novel magnetic cores: Electromagnetic simulations of amorphous magnetic microwires for inductive applications. *AIP Advances*, **2021**, 11, 015211	1.5	1
768	Cylindrical micro and nanowires: Fabrication, properties and applications. *Journal of Magnetism and Magnetic Materials*, **2020**, 513, 167074	2.8	16
767	Plasmonic coupling in closed-packed ordered gallium nanoparticles. *Scientific Reports*, **2020**, 10, 4187	4.9	11
766	Dependence of the noise of an orthogonal fluxgate on the composition of its amorphous wire-core. *AIP Advances*, **2020**, 10, 025114	1.5	5
765	Magnetic imaging of individual modulated cylindrical nanowires **2020**, 455-489		2
764	Time-resolved motion of a single domain wall controlled by a local tunable barrier. *Journal of Magnetism and Magnetic Materials*, **2020**, 498, 166093	2.8	5
763	An extraordinary chiral exchange-bias phenomenon: engineering the sign of the bias field in orthogonal bilayers by a magnetically switchable response mechanism. *Nanoscale*, **2020**, 12, 1155-1163	7.7	3

762	Temperature Accelerated Life Test and Failure Analysis on Upright Metamorphic Ga0.37In0.63P/Ga0.83In0.17As/Ge Triple Junction Solar Cells. *Progress in Photovoltaics: Research and Applications*, **2020**, 28, 148-166	6.8	2
761	Exotic Transverse-Vortex Magnetic Configurations in CoNi Nanowires. *ACS Nano*, **2020**, 14, 1399-1405	16.7	8
760	Nanopatterned hard/soft bilayer magnetic antidot arrays with long-range periodicity. *Journal of Magnetism and Magnetic Materials*, **2020**, 498, 166142	2.8	3
759	Electric current and field control of vortex structures in cylindrical magnetic nanowires. *Physical Review B*, **2020**, 102,	3.3	9
758	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	3.1	0
757	Unveiling the Origin of Multidomain Structures in Compositionally Modulated Cylindrical Magnetic Nanowires. *ACS Nano*, **2020**, 14, 12819-12827	16.7	9
756	Warranty assessment of photovoltaic modules based on a degradation probabilistic model. *Progress in Photovoltaics: Research and Applications*, **2020**, 28, 1308-1321	6.8	2
755	Lifetime Analysis of Commercial 3 W UV-A LED. *Crystals*, **2020**, 10, 1083	2.3	2
754	Strain-magnetization effect in superelastic Ni-Mn-Ga microfiber. *Scripta Materialia*, **2019**, 162, 397-401	5.6	4
753	Geometrically designed domain wall trap in tri-segmented nickel magnetic nanowires for spintronics devices. *Scientific Reports*, **2019**, 9, 9010	4.9	22
752	Stepwise magnetization reversal of geometrically tuned in diameter Ni and FeCo bi-segmented nanowire arrays. *Nano Research*, **2019**, 12, 1547-1553	10	11
751	Modeling magnetic-field-induced domain wall propagation in modulated-diameter cylindrical nanowires. *Scientific Reports*, **2019**, 9, 5130	4.9	16
750	Consequences of aging on ferromagnetic amorphous Fe75Si10B15 microwires for advanced inductive applications. *AIP Advances*, **2019**, 9, 035114	1.5	1
749	Transparent Magnetoelectric Materials for Advanced Invisible Electronic Applications. *Advanced Electronic Materials*, **2019**, 5, 1900280	6.4	13
748	Investigation of split CoFeB/Ta/CoFeB/MgO stacks for magnetic memories applications. *Journal of Magnetism and Magnetic Materials*, **2019**, 473, 355-359	2.8	3
747	Magnetization pinning in modulated nanowires: from topological protection to the "corkscrew" mechanism. *Nanoscale*, **2018**, 10, 5923-5927	7.7	42
746	Epitaxial integration of CoFe2O4 thin films on Si (001) surfaces using TiN buffer layers. *Applied Surface Science*, **2018**, 436, 1067-1074	6.7	13
745	Antidot patterned single and bilayer thin films based on ferrimagnetic Tb-Co alloy with perpendicular magnetic anisotropy. *Nanotechnology*, **2018**, 29, 065301	3.4	5

744	Thermo-responsive PNIPAm nanopillars displaying amplified responsiveness through the incorporation of nanoparticles. *Nanoscale*, **2018**, 10, 1189-1195	7.7	16
743	Soft magnetic materials for sensor applications in the high frequency range. *Journal of Magnetism and Magnetic Materials*, **2018**, 459, 154-158	2.8	13
742	Correlation of Microstructure with Hard Magnetic Properties of Glass-Coated MnBi Microwires. *MRS Advances*, **2018**, 3, 3635-3640	0.7	
741	Influence of concentration and solar cell size on the warranty time of triple junction solar cells **2018** ,		1
740	A Comparative Study of Magnetic Properties of Large Diameter Co Nanowires and Nanotubes. *Nanomaterials*, **2018**, 8,	5.4	21
739	Self-assembly of highly ordered plasmonic gallium nanoparticles driven by nanopatterning. *Nano Futures*, **2018**, 2, 041001	3.6	9
738	Rare earth-free hard magnetic microwires. *Scripta Materialia*, **2018**, 153, 40-43	5.6	4
737	Magnetization Ratchet in Cylindrical Nanowires. *ACS Nano*, **2018**, 12, 5932-5939	16.7	43
736	Micromagnetic evaluation of the dissipated heat in cylindrical magnetic nanowires. *Applied Physics Letters*, **2018**, 112, 212402	3.4	13
735	Time-resolved velocity of a domain wall in a magnetic microwire. *Journal of Alloys and Compounds*, **2018**, 767, 106-111	5.7	12
734	Invariance of the magnetic behavior and AMI in ferromagnetic biphase films with distinct non-magnetic metallic spacers. *Physica B: Condensed Matter*, **2017**, 506, 133-137	2.8	2
733	. *IEEE Transactions on Magnetics*, **2017**, 53, 1-5	2	4
732	Magnetic hardening and domain structure in Co/Pt antidots with perpendicular anisotropy. *Journal Physics D: Applied Physics*, **2017**, 50, 065003	3	9
731	Co/Au multisegmented nanowires: a 3D array of magnetostatically coupled nanopillars. *Nanotechnology*, **2017**, 28, 095709	3.4	27
730	Doubling of the magnetic energy product in ferromagnetic nanowires at ambient temperature by capping their tips with an antiferromagnet. *Nanotechnology*, **2017**, 28, 295402	3.4	7
729	Reliability of commercial triple junction concentrator solar cells under real climatic conditions and its influence on electricity cost. *Progress in Photovoltaics: Research and Applications*, **2017**, 25, 905-918	6.8	7
728	A colloidally stable water dispersion of Ni nanowires as an efficient T-MRI contrast agent. *Journal of Materials Chemistry B*, **2017**, 5, 3338-3347	7.3	17
727	Electrochemical nucleation and growth of Fe, Pt and FePt on n-type Si (001). *Protection of Metals and Physical Chemistry of Surfaces*, **2017**, 53, 57-67	0.9	2

726	Effect of Annealing on Domain Wall Mass in Amorphous FeCoMoB Microwires. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	1
725	Identifying weakly-interacting single domain states in Ni nanowire arrays by FORC. *Journal of Alloys and Compounds*, **2017**, 699, 421-429	5.7	19
724	Shape Memory and Huge Superelasticity in Ni□Mn□a Glass-Coated Fibers. *Coatings*, **2017**, 7, 5	2.9	2
723	Modeling of effective anisotropies in FeCo and Co nanowires **2017**,		1
722	Direct observation of transverse and vortex metastable magnetic domains in cylindrical nanowires. *Physical Review B*, **2017**, 96,	3.3	26
721	Multisegmented Nanowires: a Step towards the Control of the Domain Wall Configuration. *Scientific Reports*, **2017**, 7, 11576	4.9	37
720	Effective anisotropies in magnetic nanowires using the torque method. *Journal of Magnetism and Magnetic Materials*, **2017**, 443, 378-384	2.8	2
719	Failure analysis on lattice matched GaInP/Ga(In)As/Ge commercial concentrator solar cells after temperature accelerated life tests. *Progress in Photovoltaics: Research and Applications*, **2017**, 25, 97-112	6.8	10
718	Temperature Microsensor/Microactuator Based on Magnetic Microwire for MEMS Applications. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	1
717	Effect of Current Annealing on Domain Structure in Amorphous and Nanocrystalline FeCoMoB Microwires. *Acta Physica Polonica A*, **2017**, 131, 681-683	0.6	4
716	Magnetically Bistable Microwires: Properties and Applications for Magnetic Field, Temperature, and Stress Sensing. *Springer Series in Materials Science*, **2017**, 169-212	0.9	2
715	Compositionally graded Fe(1□)-Pt(x) nanowires produced by alternating current electrodeposition into alumina templates. *Journal of Solid State Chemistry*, **2016**, 244, 35-44	3.3	4
714	Tunable magnetic nanowires for biomedical and harsh environment applications. *Scientific Reports*, **2016**, 6, 24189	4.9	71
713	Ferrimagnetic DyCo5 Nanostructures for Bits in Heat-Assisted Magnetic Recording. *Physical Review Applied*, **2016**, 5,	4.3	12
712	Synthesis and magnetism of modulated FeCo-based nanowires. *Journal of Physics: Conference Series* , **2016**, 755, 012001	0.3	7
711	Enhanced magnetocrystalline anisotropy of Fe30Co70 nanowires by Cu additives and annealing. *Nanotechnology*, **2016**, 27, 365704	3.4	6
710	Complex magnetic distribution of diameter-modulated FeCoCu nanowires resolved by Electron Holography **2016**, 962-963		
709	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	1.6	14

708	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	2.8	9
707	Bimagnetic Microwires, Magnetic Properties, and High-Frequency Behavior. *Springer Series in Materials Science*, **2016**, 279-310	0.9	2
706	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	5.3	12
705	Spin configuration of cylindrical bamboo-like magnetic nanowires. *Journal of Materials Chemistry C*, **2016**, 4, 978-984	7.1	44
704	Exchange bias in sputtered FeNi/FeMn systems: Effect of short low-temperature heat treatments. *Journal of Magnetism and Magnetic Materials*, **2016**, 402, 49-54	2.8	12
703	Functional Analysis in Long-Term Operation of High Power UV-LEDs in Continuous Fluoro-Sensing Systems for Hydrocarbon Pollution. *Sensors*, **2016**, 16, 293	3.8	3
702	Study of the single domain-wall structure in glass-coated microwires. *Physica Status Solidi (A) Applications and Materials Science*, **2016**, 213, 356-362	1.6	9
701	Domain wall pinning in FeCoCu bamboo-like nanowires. *Scientific Reports*, **2016**, 6, 29702	4.9	40
700	Single crystalline cylindrical nanowires - toward dense 3D arrays of magnetic vortices. *Scientific Reports*, **2016**, 6, 23844	4.9	37
699	Magnetic properties engineering of nanopatterned cobalt antidot arrays. *Journal Physics D: Applied Physics*, **2016**, 49, 175004	3	10
698	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	3	2
697	Accelerated Life Test of high luminosity blue LEDs. *Microelectronics Reliability*, **2016**, 64, 631-634	1.2	10
696	Magnetic properties and magnetoimpedance of short CuBe/CoFeNi electroplated microtubes. *Sensors and Actuators A: Physical*, **2016**, 248, 155-161	3.9	6
695	Magnetic interactions in compositionally modulated nanowire arrays. *Nanotechnology*, **2016**, 27, 435705	3.4	18
694	Quantitative Nanoscale Magnetic Study of Isolated Diameter-Modulated FeCoCu Nanowires. *ACS Nano*, **2016**, 10, 9669-9678	16.7	45
693	LC and ferromagnetic resonance in soft/hard magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2015**, 395, 196-198	2.8	1
692	Magnetic Properties of CoFeSiB/CoNi, CoFeSiB/FeNi, FeSiB/CoNi, FeSiB/FeNi Biphase Microwires in the Temperature Range 295-1200 K. *Acta Physica Polonica A*, **2015**, 127, 591-593	0.6	1
691	High-power UV-LED degradation: Continuous and cycled working condition influence. *Solid-State Electronics*, **2015**, 111, 111-117	1.7	18

690	Electrochemical synthesis of magnetic nanowires with controlled geometry and magnetic anisotropy **2015**, 41-104		9
689	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	1.2	9
688	Electrochemical synthesis of core□shell magnetic nanowires. *Journal of Magnetism and Magnetic Materials*, **2015**, 389, 144-147	2.8	11
687	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	2.1	29
686	Correlation between structure and magnetic properties in CoxFe100□nanowires: the roles of composition and wire diameter. *Journal Physics D: Applied Physics*, **2015**, 48, 145304	3	39
685	Magnetization reversal dependence on effective magnetic anisotropy in electroplated Co□u nanowire arrays. *Journal of Materials Chemistry C*, **2015**, 3, 4688-4697	7.1	34
684	Perpendicular Magnetic Anisotropy on W-based Spin-Orbit Torque CoFeB|MgO MRAM Stacks. *Materials Research Society Symposia Proceedings*, **2015**, 1729, 73-78		2
683	Superparamagnetic properties of carbon nanotubes filled with NiFe2O4 nanoparticles. *Journal of Applied Physics*, **2015**, 117, 17C723	2.5	18
682	Angular dependence of coercivity with temperature in Co-based nanowires. *Journal of Magnetism and Magnetic Materials*, **2015**, 396, 327-332	2.8	27
681	Tailoring the magnetic anisotropy of CoFeB/MgO stacks onto W with a Ta buffer layer. *Applied Physics Letters*, **2015**, 106, 262401	3.4	41
680	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	6.8	29
679	High Temperature Properties of CoFe/CoNi and Fe/CoNi Biphase Microwires. *Solid State Phenomena*, **2015**, 233-234, 265-268	0.4	1
678	Effect of Current Annealing on Domain Wall Dynamics in Bistable FeCoMoB Microwires. *Solid State Phenomena*, **2015**, 233-234, 281-284	0.4	4
677	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	6.8	5
676	Mechanical Stress Dependence of the Switching Field in Amorphous Microwires. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	10
675	Asymmetric magnetoimpedance effect in ferromagnetic multilayered biphase films. *Journal of Magnetism and Magnetic Materials*, **2015**, 393, 260-264	2.8	7
674	Controlled single-domain wall motion in cylindrical magnetic microwires with axial anisotropy **2015**, 379-401		3
673	. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	12

672	Arrays of Magnetic Ni Nanowires Grown Inside Polystyrene Nanotubes. *Industrial & Engineering Chemistry Research*, **2015**, 54, 13005-13008	3.9	7
671	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	3.8	14
670	Spin Waves Modes in Cobalt Nanowires Arrays. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	3
669	Magnetic hardening of Fe30Co70 nanowires. *Nanotechnology*, **2015**, 26, 415704	3.4	26
668	Spin configuration in isolated FeCoCu nanowires modulated in diameter. *Nanotechnology*, **2015**, 26, 395702	3.4	25
667	Magnetic Nanoparticles of (Co0.94Fe0.06)72.5Si12.5B15 and Fe78Si9B13 Obtained by Electric Explosion of Amorphous Wires. *Key Engineering Materials*, **2015**, 644, 203-206	0.4	1
666	Vortex domain wall propagation in periodically modulated diameter FeCoCu nanowire as determined by the magneto-optical Kerr effect. *Nanotechnology*, **2015**, 26, 461001	3.4	38
665	A soft/hard magnetic nanostructure based on multisegmented CoNi nanowires. *Physical Chemistry Chemical Physics*, **2015**, 17, 5033-8	3.6	28
664	Magnetic microwire probes for the magnetic rod interfacial stress rheometer. *Langmuir*, **2015**, 31, 1410-20	4	27
663	Enhancing the velocity of the single domain wall by current annealing in nanocrystalline FeCoMoB microwires. *Journal Physics D: Applied Physics*, **2014**, 47, 255001	3	10
662	Structural and Magnetic Characterization of FeCoCu/Cu Multilayer Nanowire Arrays. *IEEE Magnetics Letters*, **2014**, 5, 1-4	1.6	14
661	Micromagnetism of permalloy antidot arrays prepared from alumina templates. *Nanotechnology*, **2014**, 25, 475703	3.4	11
660	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	1.8	21
659	A Low-Noise Fundamental-Mode Orthogonal Fluxgate Magnetometer. *IEEE Transactions on Magnetics*, **2014**, 50, 1-3	2	20
658	Vortex magnetic structure in circularly magnetized microwires as deduced from magneto-optical Kerr measurements. *Journal of Applied Physics*, **2014**, 115, 063909	2.5	9
657	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	2.5	16
656	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	1.6	29
655	UV LEDs reliability tests for fluoro-sensing sensor application. *Microelectronics Reliability*, **2014**, 54, 2154-2158	1.2	6

654	Domain configuration and magnetization switching in arrays of permalloy nanostripes. *Journal of Magnetism and Magnetic Materials*, **2014**, 355, 152-157	2.8	5
653	Cylindrical magnetization model for glass-coated microwires with circumferential anisotropy: Comparison with experiments and skin effect. *Journal of Magnetism and Magnetic Materials*, **2014**, 358-359, 198-203	2.8	1
652	Electrochemical synthesis and magnetic characterization of periodically modulated Co nanowires. *Nanotechnology*, **2014**, 25, 145301	3.4	45
651	Temperature dependence of microwave absorption phenomena in single and biphase soft magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2014**, 368, 126-132	2.8	9
650	Single Domain Wall Propagation at Low Fields. *Acta Physica Polonica A*, **2014**, 126, 30-31	0.6	
649	GMI Effect in Annealed Fe_{40}Ni_{38}Mo_{4}B_{18} Microwires. *Acta Physica Polonica A*, **2014**, 126, 74-75	0.6	
648	Magnetic Properties of Glass-Coated FeWB Microwires. *Acta Physica Polonica A*, **2014**, 126, 70-71	0.6	4
647	Preliminary temperature accelerated life test (ALT) on lattice mismatched triple-junction concentrator solar cells-on-carriers **2014**,		3
646	Temperature Dependence of the Switching Field in Nanocrystalline FeNiMoB Microwires. *Acta Physica Polonica A*, **2014**, 126, 64-65	0.6	
645	Alternating Motion of Single-Domain Walls in Uniaxial Magnetic Wire. *IEEE Magnetics Letters*, **2014**, 5, 1-4	1.6	4
644	Tunable asymmetric magnetoimpedance effect in ferromagnetic NiFe/Cu/Co films. *Applied Physics Letters*, **2014**, 105, 102409	3.4	26
643	Magnetic behavior of NiCu nanowire arrays: Compositional, geometry and temperature dependence. *Journal of Applied Physics*, **2014**, 116, 033908	2.5	22
642	High-temperature magnetic behavior of soft/soft and soft/hard Fe and Co-based biphase microwires. *Journal of Applied Physics*, **2014**, 116, 093902	2.5	9
641	Domain wall dynamics in nanocrystalline microwires. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2014**, 11, 1139-1143		7
640	Magnetic Properties of Glass-Coated Amorphous and Nanocrystalline FeMoBCu Microwires. *IEEE Transactions on Magnetics*, **2014**, 50, 1-3	2	5
639	Crystallographically driven magnetic behaviour of arrays of monocrystalline Co nanowires. *Nanotechnology*, **2014**, 25, 475702	3.4	42
638	Application of a polarized neutron microbeam to the investigation of a magnetic microstructure. *Physics of the Solid State*, **2014**, 56, 57-61	0.8	13
637	Evaluation of the reliability of high concentrator GaAs solar cells by means of temperature accelerated aging tests. *Progress in Photovoltaics: Research and Applications*, **2013**, 21, 1104-1113	6.8	24

636	Reliability of a 13 000-SHS photovoltaic rural electrification programme. *Progress in Photovoltaics: Research and Applications*, **2013**, 21, 1136-1145	6.8	5
635	Tuning the magnetization reversal process of FeCoCu nanowire arrays by thermal annealing. *Journal of Applied Physics*, **2013**, 114, 043908	2.5	43
634	Magnetic structure of a single-crystal hcp electrodeposited cobalt nanowire. *Europhysics Letters*, **2013**, 102, 17009	1.6	37
633	Electroplated Bimagnetic Microwires: From Processing to Magnetic Properties and Sensor Devices. *Jom*, **2013**, 65, 890-900	2.1	10
632	Temperature dependence of the training effect in electrodeposited Co/CoO nanotubes. *Journal of Applied Physics*, **2013**, 114, 043914	2.5	7
631	Structural Dependence of Magnetic Properties in Co-Based Nanowires: Experiments and Micromagnetic Simulations. *IEEE Transactions on Magnetics*, **2013**, 49, 4491-4497	2	27
630	Coercivity dependence on periodicity of Co and Py antidot arrays. *Journal of the Korean Physical Society*, **2013**, 62, 1521-1524	0.6	5
629	Local magnetization profile and geometry magnetization effects in microwires as determined by magneto-optical Kerr effect. *Journal of Applied Physics*, **2013**, 113, 043904	2.5	17
628	Frequency and temperature dependencies of the switching field in glass-coated FeSiBCr microwire. *Journal of Alloys and Compounds*, **2013**, 569, 9-12	5.7	8
627	Correlations among magnetic, electrical and magneto-transport properties of NiFe nanohole arrays. *Journal of Physics Condensed Matter*, **2013**, 25, 066007	1.8	7
626	Magnetic reversal modes in cylindrical nanowires. *Journal Physics D: Applied Physics*, **2013**, 46, 485001	3	97
625	Co nanostructures in ordered templates: comparative FORC analysis. *Nanotechnology*, **2013**, 24, 475703	3.4	42
624	Tailoring the magnetic properties of ordered 50-nm-diameter CoNi nanowire arrays. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	27
623	Stable and fast domain wall dynamics in nanocrystalline magnetic microwire. *Journal of Alloys and Compounds*, **2013**, 550, 31-34	5.7	18
622	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	2	7
621	Magnetic properties of Co nanopillar arrays prepared from alumina templates. *Nanotechnology*, **2013**, 24, 105703	3.4	72
620	Cylindrical magnetization model for glass-coated microwires with circumferential anisotropy: Dynamics. *Journal of Magnetism and Magnetic Materials*, **2013**, 333, 144-151	2.8	8
619	Magnetic interactions and reversal mechanisms in Co nanowire and nanotube arrays. *Journal of Applied Physics*, **2013**, 113, 093907	2.5	86

618	Controlling depinning and propagation of single domain-walls in magnetic microwires. *European Physical Journal B*, **2013**, 86, 1	1.2	21
617	Exchange bias, training effect, and bimodal distribution of blocking temperatures in electrodeposited core-shell nanotubes. *Physical Review B*, **2013**, 87,	3.3	38
616	Domain Wall Dynamics in Thin Magnetic Wires. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 1713-1716	1.5	2
615	Stress dependence of the switching field in glass-coated microwires with positive magnetostriction. *Journal of Magnetism and Magnetic Materials*, **2013**, 325, 141-143	2.8	3
614	Low-field magnetization process and complex permeability of FeCoBSiTa wires coated with hard magnetic CoNi layer. *Bulletin of Materials Science*, **2013**, 36, 559-562	1.7	
613	Evaluation of the reliability of commercial concentrator triple-junction solar cells by means of accelerated life tests (ALT) **2013**,		6
612	Microwire Electroplated Under Torsion as Core for Coil-Less Fluxgate. *Sensor Letters*, **2013**, 11, 50-52	0.9	5
611	Ni growth inside ordered arrays of alumina nanopores: Enhancing the deposition rate. *Electrochimica Acta*, **2012**, 72, 215-221	6.7	65
610	Fabrication and characterization of polymer-based magnetic composite nanotubes and nanorods. *European Polymer Journal*, **2012**, 48, 712-719	5.2	15
609	. *IEEE Transactions on Reliability*, **2012**, 61, 32-40	4.6	2
608	Influence of Thickness on Magnetic Properties of Electrolytic Ni-Fe Films Deposited on Cu Wires. *IEEE Transactions on Magnetics*, **2012**, 48, 1348-1351	2	2
607	Self-correlation function for determination of geometrical parameters in Nanoporous Anodic Alumina Films. *Applied Physics A: Materials Science and Processing*, **2012**, 106, 105-112	2.6	13
606	Micromagnetism of dense permalloy antidot lattices from anodic alumina templates. *Europhysics Letters*, **2012**, 100, 17007	1.6	10
605	Magnetic anisotropy in ordered textured Co nanowires. *Applied Physics Letters*, **2012**, 100, 252405	3.4	67
604	CoCrPt/Ti perpendicular media onto nanostructured polymer templates. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 4859-63	1.3	
603	Temperature and frequency dependencies of the switching field in glass-coated FeNbSiB microwires. *Journal of Applied Physics*, **2012**, 111, 053919	2.5	7
602	Tailoring the physical properties of thin nanohole arrays grown on flat anodic aluminum oxide templates. *Nanotechnology*, **2012**, 23, 425701	3.4	22
601	Fast domain wall dynamics in amorphous and nanocrystalline magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 3566-3568	2.8	5

600	Magnetic properties of (Fe, Co)-Pd nanowire arrays. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 7501-4	1.3	9
599	Distinguishing nanowire and nanotube formation by the deposition current transients. *Nanoscale Research Letters*, **2012**, 7, 280	5	33
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1	Hybrid powering system for stand-alone remote telecom applications		6