Eduardo Fernandez Martin

List of Publications by Year
in descending order

38	808	430874	501196
papers	citations	18 h-index	28 g-index

38	38	38	788
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Printed Capacitive Sensors Based on Ionic Liquid/Metalâ€Organic Framework Composites for Volatile Organic Compounds Detection. Advanced Functional Materials, 2021, 31, 2010703.	14.9	17
2	Overview on thermoactive materials, simulations and applications. Journal of Materials Science, 2020, 55, 925-946.	3.7	6
3	Design of Ionic-Liquid-Based Hybrid Polymer Materials with a Magnetoactive and Electroactive Multifunctional Response. ACS Applied Materials & Interfaces, 2020, 12, 42089-42098.	8.0	14
4	Magnetic reversal and thermal stability of CoFeB perpendicular magnetic tunnel junction arrays patterned by block copolymer lithography. Nanotechnology, 2018, 29, 275302.	2.6	3
5	Thermal stability of L10-FePt nanodots patterned by self-assembled block copolymer lithography. Nanotechnology, 2018, 29, 465301.	2.6	5
6	Morphology, directed self-assembly and pattern transfer from a high molecular weight polystyrene-block-poly(dimethylsiloxane) block copolymer film. Nanotechnology, 2017, 28, 145301.	2.6	15
7	Thin-Film Magnetoimpedance Structures Onto Flexible Substrates as Deformation Sensors. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	16
8	Magnetoimpedance biosensor prototype for ferrogel detection. Journal of Magnetism and Magnetic Materials, 2017, 441, 650-655.	2.3	17
9	Magnetoimpedance in Samples With Patterned Surfaces for the Detection of Magnetic Particles and Ferrofluids. IEEE Transactions on Magnetics, 2017, 53, 1-6.	2.1	0
10	Thin-Film Magneto-Impedance Sensors. , 2017, , .		5
11	Flexible thin film magnetoimpedance sensors. Journal of Magnetism and Magnetic Materials, 2016, 415, 91-96.	2.3	41
12	Cu-coated cellulose nanopaper for green and low-cost electronics. Cellulose, 2016, 23, 1997-2010.	4.9	41
13	Thin-film magneto-impedance structures with very large sensitivity. Journal of Magnetism and Magnetic Materials, 2016, 400, 321-326.	2.3	56
14	High-Frequency Magnetoimpedance Response of Thin-Film Microstructures Using Coplanar Waveguides. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	14
15	Giant magnetoimpedance biosensor for ferrogel detection: Model system to evaluate properties of natural tissue. Applied Physics Letters, 2015, 106, .	3.3	71
16	FeNi-based flat magnetoimpedance nanostructures with open magnetic flux: New topological approaches. Journal of Magnetism and Magnetic Materials, 2015, 383, 220-225.	2.3	21
17	Equivalent Magnetic Noise of Micro-Patterned Multilayer Thin Films Based GMI Microsensor. IEEE Sensors Journal, 2015, 15, 6707-6714.	4.7	19
18	Sensor Applications of Soft Magnetic Materials Based on Magneto-Impedance, Magneto-Elastic Resonance and Magneto-Electricity. Sensors, 2014, 14, 7602-7624.	3.8	49

#	Article	IF	Citations
19	Magnetoimpedance of thin film meander with composite coating layer containing Ni nanoparticles. Journal of Applied Physics, 2014, 115, .	2.5	21
20	Comparative study of magnetic, microwave properties and giant magnetoimpedance of FeNi-based multilayers with different structure. Journal of Alloys and Compounds, 2014, 615, S296-S299.	5.5	10
21	Determination of the distribution of transverse magnetic anisotropy in thin films from the second harmonic of Kerr signal. Applied Physics Letters, 2013, 103, 142411.	3.3	4
22	GMI in Nanostructured FeNi/Ti Multilayers With Different Thicknesses of the Magnetic Layers. IEEE Transactions on Magnetics, 2013, 49, 18-21.	2.1	24
23	Tailoring the magnetic anisotropy of thin film permalloy microstrips by combined shape and induced anisotropies. European Physical Journal B, 2013, 86, 1.	1.5	41
24	Reluctance Sensor for Penetration Depth Control in Friction Stir Welding. Sensor Letters, 2013, 11, 62-65.	0.4	1
25	Evaluation of a Thin Film Giant Magneto-Impedance Electronic Compass. Sensor Letters, 2013, 11, 36-39.	0.4	2
26	FeNi-based magnetoimpedance multilayers: Tailoring of the softness by magnetic spacers. Applied Physics Letters, 2012, 100, .	3.3	47
27	High Performance Magnetoimpedance in FeNi/Ti Nanostructured Multilayers with Opened Magnetic Flux. Journal of Nanoscience and Nanotechnology, 2012, 12, 7496-7500.	0.9	24
28	Nanostructured giant magneto-impedance multilayers deposited onto flexible substrates for low pressure sensing. Nanoscale Research Letters, 2012, 7, 230.	5.7	34
29	Nanostructured Magnetoimpedance Multilayers. IEEE Transactions on Magnetics, 2012, 48, 1375-1380.	2.1	29
30	Comparison of Micro-Fabrication Routes for Magneto-Impedance Elements: Lift-Off and Wet-Etching. IEEE Transactions on Magnetics, 2012, 48, 1601-1604.	2.1	9
31	GMI detection of magnetic-particle concentration in continuous flow. Sensors and Actuators A: Physical, 2011, 172, 103-108.	4.1	53
32	Magnetic Properties and Giant Magnetoimpedance of FeNi-Based Nanostructured Multilayers With Variable Thickness of the Central Cu Lead. IEEE Transactions on Magnetics, 2011, 47, 3328-3331.	2.1	31
33	Domain structure, magnetic properties, and giant magnetoimpedance of FeNi/Tiâ€based multilayers. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2269-2272.	1.8	5
34	Differences in the Magneto-Impedance of FeNi/Cu/FeNi Multilayers With Open and Closed Magnetic Path. IEEE Transactions on Magnetics, 2010, 46, 658-661.	2.1	20
35	GMI magnetic-particle concentration detection in continuous flow. Procedia Engineering, 2010, 5, 1324-1327.	1.2	1
36	FeNi-Based Film Nanostructures for High Frequency Applications: Design and Characterization. Solid State Phenomena, 2010, 168-169, 257-260.	0.3	6

#	Article	IF	Citations
37	FeNi-based magnetic layered nanostructures: Magnetic properties and giant magnetoimpedance. Journal of Applied Physics, 2010, 107, .	2.5	32
38	Magnetoimpedance of FeNi Thin Film Meanders. Solid State Phenomena, 0, 190, 609-612.	0.3	4