Andoni Lasheras

List of Publications by Year
in descending order

36	901	567247 15	454934 30
papers	citations	h-index	g-index

36	36	36	917
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetoelastic Resonance Sensors: Principles, Applications, and Perspectives. ACS Sensors, 2022, 7, 1248-1268.	7.8	13
2	Competition of Magnetic Anisotropies in Permalloy Antidot Lattices. Magnetochemistry, 2022, 8, 55.	2.4	2
3	Influence of the magnetic domain structure in the mass sensitivity of magnetoelastic sensors with different geometries. Journal of Alloys and Compounds, 2021, 863, 158555.	5.5	9
4	Enhanced performance of magnetoelectric laminated composites by geometry engineering for high frequency applications. Journal of Alloys and Compounds, 2021, 884, 161065.	5.5	5
5	Development of novel piezo-ionic/magnetostrictive composites for energy generation systems. Smart Materials and Structures, 2020, 29, 085041.	3.5	3
6	Size Dependence of the Magnetoelastic Properties of Metallic Glasses for Actuation Applications. Sensors, 2019, 19, 4296.	3.8	10
7	Enhanced mass sensitivity in novel magnetoelastic resonators geometries for advanced detection systems. Sensors and Actuators B: Chemical, 2019, 296, 126612.	7.8	32
8	Magnetic and magnetoelastic parameters affecting the magnetoelectric response in L-T mode working metallic glass/PVDF laminated composites. Journal of Magnetism and Magnetic Materials, 2019, 479, 282-286.	2.3	6
9	Corrosion resistant metallic glasses for biosensing applications. AIP Advances, 2018, 8, .	1.3	15
10	Accurate Determination of the Q Quality Factor in Magnetoelastic Resonant Platforms for Advanced Biological Detection. Sensors, 2018, 18, 887.	3.8	13
11	Size effects in the equivalent magnetic noise of layered Fe64Co17Si7B12/PVDF/Fe64Co17Si7B12 magnetoelectric sensors. Sensors and Actuators A: Physical, 2017, 263, 488-492.	4.1	13
12	Metallic Glass/PVDF Magnetoelectric Laminates for Resonant Sensors and Actuators: A Review. Sensors, 2017, 17, 1251.	3.8	54
13	Optimized anisotropic magnetoelectric response of Fe_{61.6}Co_{16.4}Si_{10.8}B_{11.2}/PVDF/Fe_{61.6}Co_{16.4}Si<sub> for AC/DC magnetic field sensing. Smart Materials and Structures, 2016, 25, 055050.	3.5	1
14	Quantification of size effects in the magnetoelectric response of metallic glass/PVDF laminates. Applied Physics Letters, 2016, 108, .	3.3	23
15	Electronic optimization for an energy harvesting system based on magnetoelectric Metglas/poly(vinylidene fluoride)/Metglas composites. Smart Materials and Structures, 2016, 25, 085028.	3.5	39
16	Characterization of Metglas/poly(vinylidene fluoride)/Metglas magnetoelectric laminates for AC/DC magnetic sensor applications. Materials and Design, 2016, 92, 906-910.	7.0	35
17	Induced Magnetoelectric Effect Driven by Magnetization in BaFe₁₂O₁₉-P(VDF-TrFE) Composites. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	7
18	Radio Frequency Magnetoelectric Effect Measured at High Temperature. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	7

#	Article	IF	Citations
19	Parameters Affecting the Magnetoelectric Response of Magnetostrictive/Piezoelectric Polymer Laminates. Key Engineering Materials, 2015, 644, 40-44.	0.4	3
20	Synthesis, physical and magnetic properties of BaFe12O19/P(VDF-TrFE) multifunctional composites. European Polymer Journal, 2015, 69, 224-231.	5.4	25
21	Energy harvesting device based on a metallic glass/PVDF magnetoelectric laminated composite. Smart Materials and Structures, 2015, 24, 065024.	3.5	69
22	Size effects on the magnetoelectric response on PVDF/Vitrovac 4040 laminate composites. Journal of Magnetism and Magnetic Materials, 2015, 377, 29-33.	2.3	35
23	Sensor Applications of Soft Magnetic Materials Based on Magneto-Impedance, Magneto-Elastic Resonance and Magneto-Electricity. Sensors, 2014, 14, 7602-7624.	3.8	49
24	Synthesis and characterization of novel piezoelectric nitrile copolyimide films for high temperature sensor applications. Smart Materials and Structures, 2014, 23, 105015.	3.5	12
25	Radiofrequency magnetoelastic resonators for magnetoelectric applications. Journal Physics D: Applied Physics, 2014, 47, 315003.	2.8	5
26	Effect of filler dispersion and dispersion method on the piezoelectric and magnetoelectric response of CoFe2O4/P(VDF-TrFE) nanocomposites. Applied Surface Science, 2014, 313, 215-219.	6.1	81
27	Optimization of the Magnetoelectric Response of Poly(vinylidene fluoride)/Epoxy/Vitrovac Laminates. ACS Applied Materials & Interfaces, 2013, 5, 10912-10919.	8.0	76
28	Improving the Magnetoelectric Response of Laminates Containing High Temperature Piezopolymers. IEEE Transactions on Magnetics, 2013, 49, 42-45.	2.1	11
29	A new magneto-elastic resonance based technique to determine magneto-mechanical parameters of amorphous ferromagnetic ribbons. Review of Scientific Instruments, 2013, 84, 043904.	1.3	5
30	Nucleation of the electroactive Î²-phase, dielectric and magnetic response of poly(vinylidene fluoride) composites with Fe2O3 nanoparticles. Journal of Non-Crystalline Solids, 2013, 361, 93-99.	3.1	58
31	Resonant Response of Magnetostrictive/New Piezoelectric Polymer Magnetoelectric Laminate. Sensor Letters, 2013, 11, 134-137.	0.4	5
32	Temperature Response of Magnetostrictive/Piezoelectric Polymer Magnetoelectric Laminates. Materials Research Society Symposia Proceedings, 2012, 1398, 15.	0.1	6
33	Optimizing piezoelectric and magnetoelectric responses on CoFe₂O₄/P(VDF-TrFE) nanocomposites. Journal Physics D: Applied Physics, 2011, 44, 495303.	2.8	122
34	Temperature Response of Magnetostrictive/Piezoelectric Polymer Magnetoelectric Laminates. Key Engineering Materials, 0, 495, 351-354.	0.4	13
35	Improving the Performance of High Temperature Piezopolymers for Magnetoelectric Applications. Key Engineering Materials, 0, 543, 439-442.	0.4	8
36	Influence of the Length-to-Width Ratio on the <i>Î”E</i> Effect of Amorphous Magnetoelastic Ribbons for Actuation Applications. Key Engineering Materials, 0, 826, 3-10.	0.4	1