

Marcio Correa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6656351/publications.pdf>

Version: 2024-02-01

96
papers

1,417
citations

411340

20
h-index

445137

33
g-index

96
all docs

96
docs citations

96
times ranked

1412
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling the role of magnetic anisotropy on the thermoelectric response: a theoretical and experimental approach. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 025001.	1.3	3
2	Spin pumping contribution to the magnetization damping in Tm ₃ Fe ₅ O ₁₂ /W bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 543, 168630.	1.0	2
3	Disclosing the role of solidification dynamics on the structural features, magnetic properties and dynamic magnetic behavior of a NiMnSn Heusler alloy. <i>MRS Communications</i> , 2022, 12, 62-67.	0.8	4
4	FexNi(1-x) coatings electrodeposited from choline chloride-urea mixture: Magnetic and electrocatalytic properties for water electrolysis. <i>Materials Chemistry and Physics</i> , 2022, 279, 125738.	2.0	7
5	Assessing the relaxation mechanisms contributions on magnetoimpedance effect in YIG/W bilayers. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 215003.	1.3	0
6	Magnetization reversal processes in amorphous CoFeB thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 552, 169135.	1.0	4
7	Influence of hBN content on dielectric properties of calcium silicate for high-frequency substrate application. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	3
8	Improving the thermomechanical and magnetic properties of CuMnAl Heusler alloy by TiB doping. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 1369-1378.	1.1	5
9	Antimicrobial and electrical properties of Ce ³⁺ - and Ni ²⁺ -doped ZnS nanoparticles obtained by a sonochemical method. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 598-604.	1.1	3
10	Maximum entropy in the dimensional transition of the magnetic domain wall dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 568, 125730.	1.2	4
11	Feasibility of Developing a Heusler NiMnSn Alloy via Induction Casting Without Controlled Atmosphere. <i>MRS Communications</i> , 2021, 11, 336-341.	0.8	2
12	Longitudinal spin Seebeck effect and anomalous Nernst effect in CoFeB/non-magnetic metal bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 527, 167778.	1.0	6
13	Magnetic nanoparticles hyperthermia in a non-adiabatic and radiating process. <i>Scientific Reports</i> , 2021, 11, 11867.	1.6	15
14	Structural and magnetic behavior of zirconia ³⁺ -magnetic particles and zirconia ³⁺ -graphene composite ceramics. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5711-5718.	1.9	4
15	Improving the Room-Temperature Ferromagnetism in ZnO and Low-Doped ZnO:Ag Films Using GLAD Sputtering. <i>Materials</i> , 2021, 14, 5337.	1.3	1
16	Nanostructured Cr(N ₂ O) based thin films for relative humidity sensing. <i>Vacuum</i> , 2021, 191, 110333.	1.6	2
17	Directional Field-Dependence of Magnetoimpedance Effect on Integrated YIG/Pt-Stripline System. <i>Sensors</i> , 2021, 21, 6145.	2.1	6
18	Structural, Mechanical, and Decorative Properties of Sputtered TiN and Ti (N, C) Films for Orthodontic Applications; an In Vitro Study. <i>Materials</i> , 2021, 14, 5175.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Multifunctional hard coatings based on CrNx for temperature sensing applications. Sensors and Actuators A: Physical, 2021, 329, 112794.	2.0	4
20	Observation of quasi-diamagnetism and a transition from negative to positive in the exchange bias of a NiMnIn Heusler alloy. Journal of Magnetism and Magnetic Materials, 2020, 493, 165691.	1.0	6
21	Characterization and photocatalytic application of Ce ⁴⁺ , Co ²⁺ , Mn ²⁺ and Ni ²⁺ doped Fe ₃ O ₄ magnetic nanoparticles obtained by the co-precipitation method. Materials Chemistry and Physics, 2020, 242, 122489.	2.0	27
22	Magnetic properties of Ni-doped Mo ₂ C produced by fixed bed reactor. Materials Letters, 2020, 273, 127916.	1.3	7
23	Magnetic Response Dependence of ZnO Based Thin Films on Ag Doping and Processing Architecture. Materials, 2020, 13, 2907.	1.3	3
24	Effects of the Bi ³⁺ substitution on the structural, vibrational, and magnetic properties of bismuth layer-structured ferroelectrics. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	8
25	Low damping and small inhomogeneous linewidth broadening in $\text{Co}_{1-x}\text{Fe}_x\text{Al}$ films. Journal of Magnetism and Magnetic Materials, 2020, 513, 167081.	1.0	3
26	Waiting-time statistics in magnetic systems. Scientific Reports, 2020, 10, 9692.	1.6	3
27	Modulating the Spin Seebeck Effect in Co ₂ FeAl Heusler Alloy for Sensor Applications. Sensors, 2020, 20, 1387.	2.1	14
28	High-frequency magnetoimpedance effect in meander-line trilayered films. Journal of Magnetism and Magnetic Materials, 2020, 515, 167166.	1.0	4
29	Disclosing the Structural, Electronic, Magnetic, and Morphological Properties of CuMnO ₂ : A Unified Experimental and Theoretical Approach. Journal of Physical Chemistry C, 2020, 124, 5378-5388.	1.5	22
30	Modulation of the magnetoimpedance effect of ZnO:Ag/NiFe heterostructures by thermal annealing. Journal of Materials Science, 2020, 55, 5961-5968.	1.7	5
31	A new heterofunctional support for enzyme immobilization: PEI functionalized Fe ₃ O ₄ MNPs activated with divinyl sulfone. Application in the immobilization of lipase from Thermomyces lanuginosus. Enzyme and Microbial Technology, 2020, 138, 109560.	1.6	76
32	Filtering magnetic relaxation mechanisms of YIG(001) thin films using ferromagnetic resonance. Journal of Magnetism and Magnetic Materials, 2020, 507, 166851.	1.0	5
33	Incorporating graphene into a sintered ceramic tape: Structural and magnetic properties of a zirconia-graphene composite. Materials Letters, 2020, 270, 127689.	1.3	7
34	Molybdenum carbide doped with nanostructured nickel for application in degradation of reactive dyes. Ceramica, 2020, 66, 460-466.	0.3	0
35	Effects of second order surface anisotropy in YIG sputtered onto GGG (111) oriented substrate. Journal of Magnetism and Magnetic Materials, 2019, 469, 64-68.	1.0	10
36	Role of the spin-orbit coupling on the effective damping parameter in Y ₃ Fe ₅ O ₁₂ /(Ag,W) bilayers explored through magnetoimpedance effect. Materials Letters, 2019, 256, 126662.	1.3	5

#	ARTICLE	IF	CITATIONS
37	Further stabilization of lipase from <i>Pseudomonas fluorescens</i> immobilized on octyl coated nanoparticles via chemical modification with bifunctional agents. <i>International Journal of Biological Macromolecules</i> , 2019, 141, 313-324.	3.6	56
38	Anomalous Nernst effect in stressed magnetostrictive film grown onto flexible substrate. <i>Scientific Reports</i> , 2019, 9, 15338.	1.6	17
39	Initial microstructure and retained austenite in 8% Mn steel controlled by cooling rate. <i>Materials Science and Technology</i> , 2019, 35, 552-559.	0.8	6
40	Effect of photobiomodulation and exercise on early remodeling of the Achilles tendon in streptozotocin-induced diabetic rats. <i>PLoS ONE</i> , 2019, 14, e0211643.	1.1	7
41	Effect of the synthesis method and calcination temperature on the formation of Ni@NiO nanocomposites. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 91, 286-294.	1.1	12
42	Exploring the magnetization dynamics, damping and anisotropy in engineered CoFeB/(Ag, Pt) multilayer films grown onto amorphous substrate. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 485, 75-81.	1.0	9
43	Iron oxide/PVA flexible magnetic tape engineered by microwave combustion and tape casting. <i>Materials Chemistry and Physics</i> , 2019, 232, 1-5.	2.0	14
44	Structural, magnetic and electric properties of ZrO ₂ tapes decorated with magnetic nanoparticles. <i>Ceramics International</i> , 2019, 45, 14500-14504.	2.3	8
45	NiFe/Cr/NiFe trilayered nanostructures grown on Al_2O_3 flexible sheet. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	3
46	Magnetoimpedance effect in ferrimagnetic insulator yttrium iron garnet films capped by copper. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 480, 6-10.	1.0	6
47	Manipulating the magnetic anisotropy and magnetization dynamics by stress: Numerical calculation and experiment. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 453, 30-35.	1.0	10
48	Bi ₄ Ti ₃ O ₁₂ multilayered ceramic tapes produced by aqueous tape casting and laminating process: Structural and dielectric properties. <i>Ceramics International</i> , 2018, 44, 16062-16065.	2.3	9
49	Novel nanohybrid biocatalyst: application in the kinetic resolution of secondary alcohols. <i>Journal of Materials Science</i> , 2018, 53, 14121-14137.	1.7	128
50	Playing with universality classes of Barkhausen avalanches. <i>Scientific Reports</i> , 2018, 8, 11294.	1.6	30
51	Invariance of the magnetic behavior and AMI in ferromagnetic biphase films with distinct non-magnetic metallic spacers. <i>Physica B: Condensed Matter</i> , 2017, 506, 133-137.	1.3	3
52	Effect of Ag clusters doping on the photoluminescence, photocatalysis and magnetic properties of ZnO nanorods prepared by facile microwave-assisted hydrothermal synthesis. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 11059-11069.	1.1	5
53	Exchange-biased SiO ₂ /Co/CoO granular multilayers deposited by sequential sputtering. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 439, 6-12.	1.0	3
54	Design of a lipase-nano particle biocatalysts and its use in the kinetic resolution of medicament precursors. <i>Biochemical Engineering Journal</i> , 2017, 125, 104-115.	1.8	79

#	ARTICLE	IF	CITATIONS
55	CFA Films in Amorphous Substrate: Structural Phase Induction and Magnetization Dynamics. Spin, 2017, 07, 1740001.	0.6	4
56	Thickness dependence of the magnetic anisotropy and dynamic magnetic response of ferromagnetic NiFe films. Journal Physics D: Applied Physics, 2017, 50, 185001.	1.3	32
57	ZrO2 tape as flexible substrate to artificially nanostructured materials. Materials Letters, 2017, 196, 69-73.	1.3	12
58	Universal temporal characteristics and vanishing of multifractality in Barkhausen avalanches. Physical Review E, 2017, 96, 022159.	0.8	23
59	Erratum to "Mirroring the dynamic magnetic behavior of magnetostrictive Co/(Ag,Cu,Ta) multilayers grown onto rigid and flexible substrates" [J. Magn. Magn. Mater. 393 (2015) 593-599]. Journal of Magnetism and Magnetic Materials, 2016, 398, 303-304.	1.0	0
60	Quantitative Scaling of Magnetic Avalanches. Physical Review Letters, 2016, 117, 087201.	2.9	48
61	Handling magnetic anisotropy and magnetoimpedance effect in flexible multilayers under external stress. Journal of Magnetism and Magnetic Materials, 2016, 420, 81-87.	1.0	21
62	Exploring the magnetization dynamics of NiFe/Pt multilayers in flexible substrates. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 211, 115-120.	1.7	14
63	Asymmetric magnetoimpedance effect in ferromagnetic multilayered biphase films. Journal of Magnetism and Magnetic Materials, 2015, 393, 260-264.	1.0	11
64	Growth of <i>c</i> -axis-oriented aluminum nitride thin films onto different substrates and buffer layers. Surface and Interface Analysis, 2015, 47, 447-453.	0.8	1
65	Improving the sensitivity of asymmetric magnetoimpedance in exchange biased NiFe/IrMn multilayers. Journal of Magnetism and Magnetic Materials, 2015, 394, 87-91.	1.0	18
66	Mirroring the dynamic magnetic behavior of magnetostrictive Co/(Ag,Cu,Ta) multilayers grown onto rigid and flexible substrates. Journal of Magnetism and Magnetic Materials, 2015, 393, 593-599.	1.0	8
67	Giant magnetoimpedance effect in Co ₂ FeAl single layered and Co ₂ FeAl/Ag multilayered films in amorphous substrates. Materials Letters, 2015, 156, 90-93.	1.3	11
68	Quantifying magnetic anisotropy dispersion: Theoretical and experimental study of the magnetic properties of anisotropic FeCuNbSiB ferromagnetic films. Journal of Applied Physics, 2015, 117, .	1.1	15
69	Tunable asymmetric magnetoimpedance effect in ferromagnetic NiFe/Cu/Co films. Applied Physics Letters, 2014, 105, .	1.5	30
70	Magnetoimpedance effect at the high frequency range for the thin film geometry: Numerical calculation and experiment. Journal of Applied Physics, 2014, 116, 243904.	1.1	25
71	Statistical properties of Barkhausen noise in amorphous ferromagnetic films. Physical Review E, 2014, 90, 032821.	0.8	17
72	Magnetization dynamics in nanostructures with weak/strong anisotropy. Journal of Applied Physics, 2014, 115, 103908.	1.1	20

#	ARTICLE	IF	CITATIONS
73	Angular dependence of asymmetric magnetoimpedance in exchange biased NiFe/IrMn multilayers. Applied Physics Letters, 2014, 104, 102405.	1.5	38
74	Dynamic magnetic behavior in non-magnetostrictive multilayered films grown on glass and flexible substrates. Journal of Magnetism and Magnetic Materials, 2014, 355, 136-141.	1.0	38
75	Static and dynamic properties of Fibonacci multilayers. Journal of Applied Physics, 2013, 113, 17C102.	1.1	10
76	Magnetization Dynamics Through Magnetoimpedance Effect in Isotropic Co ₂ FeAl/Au/Co ₂ FeAl Full-Heusler Alloy Trilayer Films. Applied Physics Express, 2013, 6, 093001.	1.1	6
77	Universal properties of magnetization dynamics in polycrystalline ferromagnetic films. Physical Review E, 2013, 88, 032811.	0.8	12
78	Desenvolvimento de sistema para reprodu��o e an��lise de curvas for��adistens��o em tend��es calc��neas de ratos. Revista De Ci��ncias M��dicas E Biol��gicas, 2013, 12, 15.	0.0	1
79	Multifractality in domain wall dynamics of a ferromagnetic film. Physical Review E, 2012, 86, 066117.	0.8	16
80	Extraordinary Hall effect on Fe-rich amorphous thin films and Fe-rich/Cu multilayers. Physica B: Condensed Matter, 2012, 407, 3178-3180.	1.3	1
81	Anomalous magnetoresistance in Fibonacci multilayers. Physical Review B, 2012, 85, .	1.1	9
82	High frequency magnetic behavior through the magnetoimpedance effect in CoFeB/(Ta, Ag, Cu) multilayered ferromagnetic thin films. Thin Solid Films, 2012, 520, 2173-2177.	0.8	19
83	Theoretical and experimental study of Fe/Cr nanometric quasiperiodic multilayers. Solid State Communications, 2011, 151, 337-340.	0.9	11
84	Wide frequency range magnetoimpedance in tri-layered thin NiFe/Ag/NiFe films: Experiment and numerical calculation. Journal of Applied Physics, 2011, 110, .	1.1	26
85	Tailoring the magnetoimpedance effect of NiFe/Ag multilayer. Journal Physics D: Applied Physics, 2010, 43, 295004.	1.3	66
86	High frequency magnetoimpedance in Ni ₈₁ Fe ₁₉ /Fe ₅₀ Mn ₅₀ exchange biased multilayer. Applied Physics Letters, 2009, 94, .	1.5	34
87	Giant magnetoimpedance in FM/SiO ₂ /Cu/SiO ₂ /FM films at GHz frequencies. Journal of Magnetism and Magnetic Materials, 2008, 320, e25-e28.	1.0	15
88	Magnetoimpedance effect in structured multilayered amorphous thin films. Journal Physics D: Applied Physics, 2008, 41, 175003.	1.3	23
89	Magnetoimpedance of single and multilayered FeCuNbSiB films in frequencies up to 1.8GHz. Journal of Applied Physics, 2007, 101, 043905.	1.1	20
90	LIQUID SOURCE MISTED CHEMICAL DEPOSITION PROCESS OF THREE-DIMENSIONAL NANO-FERROELECTRICS WITH SUBSTRATE HEATING. Integrated Ferroelectrics, 2007, 95, 180-186.	0.3	8

#	ARTICLE	IF	CITATIONS
91	Thickness dependence of the high-frequency magnetic permeability in amorphous Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ thin films. Journal of Applied Physics, 2007, 101, 033908.	1.1	31
92	Magnetoimpedance in amorphous/metal/amorphous sandwiched films at GHz frequencies. Physica B: Condensed Matter, 2006, 384, 155-157.	1.3	3
93	Low-field microwave magnetic permeability on FeSiBNbCu thin films. Physica B: Condensed Matter, 2006, 384, 271-273.	1.3	5
94	GMI in FeCuNbSiBCu multilayers. Physica B: Condensed Matter, 2006, 384, 162-164.	1.3	8
95	Complex high-frequency magnetization dynamics and magnetoimpedance in thin films. Physica B: Condensed Matter, 2006, 384, 172-174.	1.3	2
96	Magnetoimpedance of NiFe/Ag multilayers in the 100kHz-1.8GHz range. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1846-1847.	1.0	14