

Rocio Yanes

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

984
citations

567281

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h-index

501196

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29
all docs

29
docs citations

29
times ranked

1516
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Large asymmetry in the magnetoresistance loops of ferromagnetic nanostrips induced by Surface Acoustic Waves. Scientific Reports, 2021, 11, 8586. | 3.3 | 2 |
| 2 | Electric Field Control of the Skyrmion Hall Effect in Piezoelectric-Magnetic Devices. Physical Review Applied, 2021, 16, . | 3.8 | 15 |
| 3 | Magnetic field control of antiferromagnetic domain walls in a thermal gradient. Physical Review B, 2020, 102, . | 3.2 | 4 |
| 4 | Magnetization process of a ferromagnetic nanostrip under the influence of a surface acoustic wave. Scientific Reports, 2020, 10, 9413. | 3.3 | 8 |
| 5 | Toward Understanding Complex Spin Textures in Nanoparticles by Magnetic Neutron Scattering. Physical Review Letters, 2020, 125, 117201. | 7.8 | 10 |
| 6 | Skyrmion motion induced by voltage-controlled in-plane strain gradients. Applied Physics Letters, 2019, 115, . | 3.3 | 40 |
| 7 | Tailoring the interaction between spin waves and domain walls in nanostripes with perpendicular magnetic anisotropy. Journal Physics D: Applied Physics, 2019, 52, 175002. | 2.8 | 2 |
| 8 | Magnetism and exchange-bias effect at the MnN/Fe interface. Physical Review B, 2018, 98, . | 3.2 | 5 |
| 9 | Formation and stability of metastable skyrmionic spin structures with various topologies in an ultrathin film. Physical Review B, 2017, 95, . | 3.2 | 61 |
| 10 | Development of antiferromagnetic Heusler alloys for the replacement of iridium as a critically raw material. Journal Physics D: Applied Physics, 2017, 50, 443001. | 2.8 | 43 |
| 11 | Small-angle neutron scattering modeling of spin disorder in nanoparticles. Scientific Reports, 2017, 7, 13060. | 3.3 | 15 |
| 12 | Interfacial exchange interactions and magnetism of NiMn_2MnAl bilayers. Physical Review B, 2017, 96, . | 3.2 | 2 |
| 13 | Direct observation of enhanced magnetism in individual size- and shape-selected transition metal nanoparticles. Physical Review B, 2017, 95, . | 3.2 | 24 |
| 14 | Skyrmions with Attractive Interactions in an Ultrathin Magnetic Film. Physical Review Letters, 2016, 117, 157205. | 7.8 | 80 |
| 15 | Thermal properties of a spin spiral: Manganese on tungsten(110). Physical Review B, 2015, 91, . | 3.2 | 15 |
| 16 | Direct Observation of Magnetic Metastability in Individual Iron Nanoparticles. Physical Review Letters, 2014, 112, 107201. | 7.8 | 46 |
| 17 | Exchange Bias Driven by Dzyaloshinskii-Moriya Interactions. Physical Review Letters, 2013, 111, 217202. | 7.8 | 52 |
| 18 | Influence of interfacial roughness on exchange bias in core-shell nanoparticles. Physical Review B, 2011, 84, . | 3.2 | 56 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Coercivity of ordered arrays of magnetic Co nanowires with controlled variable lengths. Applied Physics Letters, 2011, 98, . | 3.3 | 42 |
| 20 | Control of the chirality and polarity of magnetic vortices in triangular nanodots. Physical Review B, 2010, 81, . | 3.2 | 87 |
| 21 | Constrained Monte Carlo method and calculation of the temperature dependence of magnetic anisotropy. Physical Review B, 2010, 82, . | 3.2 | 130 |
| 22 | Temperature dependence of the effective anisotropies in magnetic nanoparticles with Néel surface anisotropy. Journal Physics D: Applied Physics, 2010, 43, 474009. | 2.8 | 29 |
| 23 | Modeling of microwave-assisted switching in micron-sized magnetic ellipsoids. Physical Review B, 2009, 79, . | 3.2 | 13 |
| 24 | Coercive field and energy barriers in partially disordered FePt nanoparticles. Journal of Applied Physics, 2009, 105, 07B514. | 2.5 | 5 |
| 25 | Modelling of the influence of the Néel surface anisotropy on the enhancement of the magnetic anisotropy in Co nanoparticle. Journal Physics D: Applied Physics, 2009, 42, 055013. | 2.8 | 7 |
| 26 | On beating the superparamagnetic limit with exchange bias. Europhysics Letters, 2009, 88, 57004. | 2.0 | 33 |
| 27 | Field induced vortex dynamics in magnetic Ni nanotriangles. Nanotechnology, 2008, 19, 285717. | 2.6 | 36 |
| 28 | Effective anisotropies and energy barriers of magnetic nanoparticles with Néel surface anisotropy. Physical Review B, 2007, 76, . | 3.2 | 122 |