

Ramón Cuadrado

List of Publications by Year in descending order

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papers

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759233

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28
all docs

28
docs citations

28
times ranked

1129
citing authors

#	ARTICLE	IF	CITATIONS
1	First principles and atomistic calculation of the magnetic anisotropy of Y2Fe14B. Journal of Applied Physics, 2021, 130, .	2.5	5
2	Validity of the on-site spin-orbit coupling approximation. Physical Review B, 2021, 104, .	3.2	9
3	SIESTA: Recent developments and applications. Journal of Chemical Physics, 2020, 152, 204108.	3.0	229
4	Guidelines for Selecting Interlayer Spacers in Synthetic 2D-Based Antiferromagnets from First-Principles Simulations. Nanomaterials, 2019, 9, 1764.	4.1	0
5	Implementation of non-collinear spin-constrained DFT calculations in SIESTA with a fully relativistic Hamiltonian. JPhys Materials, 2018, 1, 015010.	4.2	11
6	Site-Resolved Contributions to the Magnetic-Anisotropy Energy and Complex Spin Structure of Fe/MgO Sandwiches. Physical Review Applied, 2018, 9, .	3.8	6
7	A multiscale model of the effect of Ir thickness on the static and dynamic properties of Fe/Ir/Fe films. Scientific Reports, 2018, 8, 3879.	3.3	1
8	Graphene-based synthetic antiferromagnets and ferrimagnets. Nature Communications, 2017, 8, 699.	12.8	39
9	Voltage-Induced Coercivity Reduction in Nanoporous Alloy Films: A Boost toward Energy-Efficient Magnetic Actuation. Advanced Functional Materials, 2017, 27, 1701904.	14.9	41
10	Multiscale modeling of spin transport across a diffuse interface. Journal of Magnetism and Magnetic Materials, 2017, 443, 287-292.	2.3	4
11	In-plane/out-of-plane disorder influence on the magnetic anisotropy of Fe _{1-x} MnyPt-L10 bulk alloy. Applied Physics Letters, 2016, 108, 123102.	3.3	6
12	First-principles study of the Fe/MgO(0 0 1) interface: magnetic anisotropy. Journal of Physics Condensed Matter, 2016, 28, 156003.	1.8	8
13	Interaction potential of FePt with the MgO(001) surface. Physical Review B, 2015, 91, .	3.2	2
14	Strain Induced Vortex Core Switching in Planar Magnetostrictive Nanostructures. Physical Review Letters, 2015, 115, 067202.	7.8	52
15	Magnetic anisotropy of Fe _{1-x} Y _x Pt-L1 [X=Cr, Mn, Co, Ni, Cu] bulk alloys. Applied Physics Letters, 2014, 105, .	3.3	25
16	Interface magnetic moments enhancement of FePt/MgO $\text{MgO}(001)$: An <i>ab initio</i> study. Physical Review B, 2014, 89, .	3.2	14
17	A first principles study of thiol-capped Au nanoparticles: Structural, electronic, and magnetic properties as a function of thiol coverage. Journal of Chemical Physics, 2013, 139, 034319.	3.0	10
18	Exchange coupling and magnetic anisotropy at Fe/FePt interfaces. Physical Review B, 2013, 88, .	3.2	31

#	ARTICLE	IF	CITATIONS
19	Modeling spin injection across diffuse interfaces. Physical Review B, 2013, 87, .	3.2	10
20	Fully relativistic pseudopotential formalism under an atomic orbital basis: spin-orbit splittings and magnetic anisotropies. Journal of Physics Condensed Matter, 2012, 24, 086005.	1.8	50
21	Electronic and magnetic properties of bimetallic L ₁ L ₂ clusters by means of fully relativistic density-functional-based calculations. Physical Review B, 2012, 86, .	3.2	24
22	C ₆₀ adsorption on the Si(111)-p(7 \times 7) surface: A theoretical study. Physical Review B, 2010, 81, .	3.2	15
23	CoPc adsorption on Cu(111): Origin of the C ₄ to C ₂ symmetry reduction. Journal of Chemical Physics, 2010, 133, 154701.	3.0	61
24	Crystallization and magnetic hardening of SmCo thin films. Journal of Non-Crystalline Solids, 2007, 353, 786-789.	3.1	5
25	Magnetic properties of ball-milled Fe _{0.6} Mn _{0.1} Al _{0.3} alloys. Journal of Magnetism and Magnetic Materials, 2007, 316, e418-e421.	2.3	5
26	Polymer Bonded Anisotropic Thick Hard Films for Micromotors/Microgenerators. Journal of Iron and Steel Research International, 2006, 13, 240-251.	2.8	2
27	Anisotropic polymer bonded hard-magnetic films for microelectromechanical system applications. Journal of Applied Physics, 2006, 99, 08N303.	2.5	17
28	Temperature dependence of the magnetic properties in LaMnO ₃ + δ . Journal of Applied Physics, 2006, 99, 08A702.	2.5	4