

# Javier DÃ-az

## List of Publications by Year in descending order

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41  
papers

1,756  
citations

516215

16  
h-index

344852

36  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic moment orientation and in-depth distribution of dysprosium near the surface of $\text{DyCo}_{4.6}$ thin films from x-ray circularly polarized absorption. <i>Physical Review B</i> , 2021, 104, .		
2	Ferromagnetic Resonance Studies in Magnetic Nanosystems. <i>Magnetochemistry</i> , 2021, 7, 126.	1.0	3
3	Chiral asymmetry detected in a 2D array of permalloy square nanomagnets using circularly polarized x-ray resonant magnetic scattering. <i>Nanotechnology</i> , 2020, 31, 025702.	1.3	3
4	Determination of the out-of-plane anisotropy contributions (first and second anisotropy terms) in amorphous Nd-Co thin films by micromagnetic numerical simulations. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 456, 251-256.	1.0	1
5	Perpendicular magnetic anisotropy in amorphous $\text{Nd}_{90}\text{Co}_{10}$ thin films studied by x-ray magnetic circular dichroism. <i>Physical Review B</i> , 2017, 95, .		
6	Asymmetric grazing incidence small angle x-ray scattering and anisotropic domain wall motion in obliquely grown nanocrystalline Co films. <i>Nanotechnology</i> , 2014, 25, 335704.	1.3	18
7	Large negative thermal expansion of the Co subnetwork measured by EXAFS in highly disordered $\text{Nd}_{1-x}\text{Co}_x$ thin films with perpendicular magnetic anisotropy. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 426002.	0.7	6
8	Interface effects on Gd induced disordering of Co films on Pt(111). <i>Surface Science</i> , 2012, 606, 933-937.	0.8	1
9	Determination of the magnetostrictive atomic environments in FeCoB alloys. <i>Physical Review B</i> , 2012, 85, .	1.1	12
10	Microscopic origin of perpendicular magnetic anisotropy in amorphous Nd-Co homogeneous and compositionally modulated, thin films studied by XMCD. <i>Journal of Physics: Conference Series</i> , 2010, 200, 072017.	0.3	4
11	Enhancement of antiferromagnetic coupling in magnetic multilayers by low energy ion beam substrate nanopatterning. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 224024.	0.7	5
12	Stacking dependent disordering processes in Gd/Co/Pt(111) studied with surface x-ray diffraction. <i>Physical Review B</i> , 2008, 78, .	1.1	3
13	Structure of amorphous carbon from near-edge and extended x-ray absorption spectroscopy. <i>Physical Review B</i> , 2007, 76, .	1.1	37
14	Structural and magnetic properties of $\text{Co}_{1-x}\text{Si}_x$ thin films and multilayers. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 486003.	0.7	2
15	Atomic pair ordering and magnetic anisotropy of Fe-Si amorphous films studied by linearly polarized EXAFS. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e390-e392.	1.0	5
16	Temperature dependence of the anisotropy of amorphous NdCo <sub>5</sub> thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e446-e449.	1.0	16
17	Uniaxial magnetic anisotropy of Fe-Si and Co-Si amorphous thin films due to Si nano-segregation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1409-1414.	0.8	1
18	Surface and bulk investigation of ZSM5 and Al-MCM-41 using synchrotron XPS, XANES, and hexane cracking. <i>Applied Catalysis A: General</i> , 2005, 290, 159-165.	2.2	9

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19	Phase separation in Fe <sup>~</sup> Si and Co <sup>~</sup> Si sputtered ferromagnetic alloys and the origin of their magnetic anisotropy. <i>Physical Review B</i> , 2005, 72, .	1.1	16
20	Amorphous to polycrystalline transition in Co <sub>x</sub> Si <sub>1-x</sub> alloy thin films. <i>European Physical Journal B</i> , 2004, 41, 517-524.	0.6	25
21	Structure and magnetic properties of amorphous Co-Si alloy films. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 3078-3080.	1.2	13
22	Understanding the magnetic anisotropy in Fe-Si amorphous alloys. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 2811-2813.	1.2	17
23	Magneto-optical transverse Kerr effect in multilayers. <i>Physical Review B</i> , 2001, 64, .	1.1	41
24	Analysis of the $\epsilon^*$ and $f^*$ bands of the x-ray absorption spectrum of amorphous carbon. <i>Physical Review B</i> , 2001, 64, .	1.1	74
25	Enhanced secondary electron yield from oxidized regions on amorphous carbon films studied by x-ray spectromicroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1999, 17, 2737-2740.	0.9	19
26	Optical layout of a beamline for photoemission microscopy. <i>Journal of Synchrotron Radiation</i> , 1999, 6, 957-963.	1.0	13
27	Transverse Kerr effect as an analytical tool in the study of the magnetism of transition metal-yttrium alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 196-197, 597-598.	1.0	0
28	X-PEEM Study on Surface Orientation of Stylized and Rubbed Polyimides. <i>Macromolecules</i> , 1998, 31, 4957-4962.	2.2	45
29	Microscopic Origin of Liquid Crystal Alignment on Rubbed Polymer Surfaces. <i>Macromolecules</i> , 1998, 31, 1942-1946.	2.2	154
30	SPELEEM: Combining LEEM and Spectroscopic Imaging. <i>Surface Review and Letters</i> , 1998, 05, 1287-1296.	0.5	242
31	An x-ray spectromicroscopic study of the local structure of patterned titanium silicide. <i>Applied Physics Letters</i> , 1997, 71, 55-57.	1.5	15
32	Surface Relaxations in Polymers. <i>Macromolecules</i> , 1997, 30, 7768-7771.	2.2	156
33	Photoelectron Emission Microscopy and its Application to the Study of Polymer Surfaces. <i>Acta Physica Polonica A</i> , 1997, 91, 923-927.	0.2	9
34	Separation of the $s^2$ and $p^2$ components in the C1s photoemission spectra of amorphous carbon films. <i>Physical Review B</i> , 1996, 54, 8064-8069.	1.1	717
35	X-ray absorption spectroscopy study of pulsed-laser-evaporated amorphous carbon films. <i>Applied Physics A: Materials Science and Processing</i> , 1995, 61, 111-114.	1.1	34
36	X-ray absorption spectroscopy study of pulsed-laser-evaporated amorphous carbon films. <i>Applied Physics A: Materials Science and Processing</i> , 1995, 61, 111-114.	1.1	2

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37	STM studies of Si evaporation on Si at RT by laser ablation. Surface Science, 1993, 287-288, 911-914.	0.8	1
38	Pulsed-laser evaporation of carbon: Velocity, mass, and charge distribution of the ejected ions. AIP Conference Proceedings, 1993, , .	0.3	0
39	Raman spectroscopy of carbon films grown by pulsed laser evaporation of graphite. Diamond and Related Materials, 1992, 1, 824-827.	1.8	29
40	Understanding the origin of the magnetic anisotropy in iron silicide amorphous alloys. , 0, , .		0
41	Structure and magnetic properties of amorphous Co/sub x/Si/sub 1-x/ alloy films. , 0, , .		0