

Dario A Arena

List of Publications by Year in descending order

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57
papers

2,402
citations

279487

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all docs

57
docs citations

57
times ranked

4564
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin Seebeck Effect in Iron Oxide Thin Films: Effects of Phase Transition, Phase Coexistence, And Surface Magnetism. ACS Applied Materials & Interfaces, 2022, 14, 13468-13479.	4.0	11
2	Enhanced optical mode coherence in exchange coupled soft magnetic multilayers. Journal of Applied Physics, 2022, 131, .	1.1	1
3	Perpendicular and in-plane hole asymmetry in a strained NiFe ₂ O ₄ film. Journal of Physics Condensed Matter, 2021, 33, 225801.	0.7	3
4	Tunable competing magnetic anisotropies and spin reconfigurations in ferrimagnetic $\text{Fe}_{1-x}\text{Co}_x$ alloy films. Physical Review B, 2021, 104, .	1.1	1
5	Quantifying Spin-Mixed States in Ferromagnets. Physical Review Letters, 2021, 127, 207201.	2.9	10
6	Optical and extreme UV studies of spin dynamics in metallic and insulating ferrimagnets. Journal of Applied Physics, 2021, 130, 240901.	1.1	1
7	Shining a Light on Hidden Spin Dynamics. Physics Magazine, 2020, 13, .	0.1	0
8	Nonreciprocal spin pumping damping in asymmetric magnetic trilayers. Physical Review B, 2020, 101, .	1.1	13
9	Structural studies of magnetic C60/Cu multilayers. AIP Advances, 2020, 10, 025312.	0.6	3
10	Phase Coexistence and Kinetic Arrest in the Magnetostructural Transition of the Ordered Alloy FeRh. Scientific Reports, 2018, 8, 1778.	1.6	25
11	Nature of the metal-insulator transition in few-unit-cell-thick LaNiO ₃ films. Nature Communications, 2018, 9, 2206.	5.8	66
12	Reducing orbital occupancy in VO_2 suppresses Mott physics while Peierls distortions persist. Physical Review B, 2017, 96, .	1.4	23
13	Compensated Ferrimagnetism in the Zero-Moment Heusler Alloy Mn_3Sn . Physical Review Applied, 2017, 7, .	1.5	52
14	Interface-induced phenomena in magnetism. Reviews of Modern Physics, 2017, 89, .	16.4	672
15	Control of hidden ground-state order in NdNiO_3 superlattices. Physical Review Materials, 2017, 1, .	0.9	12
16	Surface-induced spin state locking of the $[\text{Fe}(\text{H}_2\text{B}(\text{pz})_2)_2(\text{bipy})]$ spin crossover complex. Journal of Physics Condensed Matter, 2016, 28, 206002.	0.7	50
17	Stability of the M2 phase of vanadium dioxide induced by coherent epitaxial strain. Physical Review B, 2016, 94, .	1.1	62
18	Interface-Coupled BiFeO ₃ /BiMnO ₃ Superlattices with Magnetic Transition Temperature up to 410 K. Advanced Materials Interfaces, 2016, 3, 1500597.	1.9	14

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19	Lone-Pair Stabilization in Transparent Amorphous Tin Oxides: A Potential Route to p-Type Conduction Pathways. Chemistry of Materials, 2016, 28, 4706-4713.	3.2	33
20	Direct observation of symmetry-specific precession in a ferrimagnet. Physical Review B, 2015, 92, .	1.1	7
21	X-Ray Spectroscopy of Ultra-Thin Oxide/Oxide Heteroepitaxial Films: A Case Study of Single-Nanometer VO ₂ /TiO ₂ . Materials, 2015, 8, 5452-5466.	1.3	23
22	Beating the Stoner criterion using molecular interfaces. Nature, 2015, 524, 69-73.	13.7	151
23	Atomic moments in Mn ₂ CoAl thin films analyzed by X-ray magnetic circular dichroism. Journal of Applied Physics, 2014, 116, .	1.1	21
24	Symmetry breaking of magnetic vortices before annihilation. Applied Physics Letters, 2014, 105, 132403.	1.5	4
25	Observation of a temperature dependent asymmetry in the domain structure of a Pd-doped FeRh epilayer. New Journal of Physics, 2014, 16, 113073.	1.2	29
26	Magnetic coupling in asymmetric FeCoV/Ru/FeNi trilayers. Journal of Applied Physics, 2014, 115, .	1.1	9
27	Detection of microwave phase variation in nanometre-scale magnetic heterostructures. Nature Communications, 2013, 4, 2025.	5.8	38
28	Structural evidence for stabilized ferromagnetism in epitaxial FeRh nanoislands. Journal Physics D: Applied Physics, 2013, 46, 162002.	1.3	49
29	Exploring the accessible frequency range of phase-resolved ferromagnetic resonance detected with x-rays. Journal of Applied Physics, 2013, 113, 033904.	1.1	8
30	Epitaxial strain-induced changes in the cation distribution and resistivity of Fe-doped CoFe ₂ O ₄ . Applied Physics Letters, 2012, 101, .	1.5	21
31	Enhanced magnetic moment in ultrathin Fe-doped CoFe ₂ O ₄ epitaxial films. Physical Review B, 2012, 86, .	1.1	27
32	Direct dynamic imaging of non-adiabatic spin torque effects. Nature Communications, 2012, 3, 1028.	5.8	51
33	Exploring the Structural and Electronic Properties of Pt/Ceria-Modified TiO ₂ and Its Photocatalytic Activity for Water Splitting under Visible Light. Journal of Physical Chemistry C, 2012, 116, 14062-14070.	1.5	69
34	Magnetic structure of Fe-doped CoFe ₂ O ₄ epitaxial films probed by x-ray magnetic spectroscopies. Physical Review B, 2011, 84, .	1.1	74
35	Reversed remanent magnetic configuration in epitaxial La _{1-x} Sr _x MnO ₃ films. Journal Physics D: Applied Physics, 2011, 44, 245002.	1.3	4
36	Hidden Magnetic Configuration in Epitaxial LaMnO ₃ Films. Physical Review Letters, 2010, 105, 257204.	2.9	100

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37	Magnetostructural influences of thin Mg insert layers in crystalline CoFe(B)/MgO/CoFe(B) magnetic tunnel junctions. Applied Physics Letters, 2010, 97, .	1.5	8
38	A compact apparatus for studies of element and phase-resolved ferromagnetic resonance. Review of Scientific Instruments, 2009, 80, 083903.	0.6	35
39	Dynamic monitoring of grating angle at the National Synchrotron Light Source. Optical Engineering, 2009, 48, 113603.	0.5	0
40	Surface influenced magnetostructural transition in FeRh films. Applied Physics Letters, 2009, 95, 222515.	1.5	26
41	Interface Induced Uniaxial Magnetic Anisotropy in Amorphous CoFeB Films on AlGaAs(001). Physical Review Letters, 2008, 100, 117201.	2.9	54
42	Room temperature magnetic stabilization of buried cobalt nanoclusters within a ferromagnetic matrix studied by soft x-ray magnetic circular dichroism. Applied Physics Letters, 2008, 93, .	1.5	6
43	Element specific separation of bulk and interfacial magnetic hysteresis loops. Applied Physics Letters, 2007, 91, 132510.	1.5	3
44	Oxygen-defect-induced magnetism to 880 K in semiconducting anatase TiO ₂ films. Journal of Physics Condensed Matter, 2006, 18, L355-L361.	0.7	256
45	Weakly coupled motion of individual layers in ferromagnetic resonance. Physical Review B, 2006, 74, .	1.1	54
46	Comparison of time-resolved x-ray magnetic circular dichroism measurements in reflection and transmission for layer-specific precessional dynamics measurements. Journal of Applied Physics, 2006, 99, 08J305.	1.1	20
47	The local structural characterization of the inactive clusters in B, BF ₂ and BF ₃ implanted Si wafers using X-ray techniques. Microelectronics Journal, 2005, 36, 522-526.	1.1	1
48	Cation-disorder-enhanced magnetization in pulsed-laser-deposited CuFe ₂ O ₄ films. Applied Physics Letters, 2005, 86, 252510.	1.5	39
49	Transmission-mode x-ray magnetic circular dichroism characterization of moment alignment in Tb-doped Ni ₈₁ Fe ₁₉ . Journal of Applied Physics, 2005, 97, 10A719.	1.1	14
50	Resonant x-ray scattering from a magnetic multilayer reflection grating. Applied Physics Letters, 2005, 86, 112502.	1.5	4
51	Diamond-like-carbon LC-alignment layers for application in LCOS microdisplays. Journal of the Society for Information Display, 2005, 13, 281.	0.8	4
52	Precessional dynamics of elemental moments in a ferromagnetic alloy. Physical Review B, 2004, 70, .	1.1	58
53	Ion-beam-induced sharpening of ZnO nanotips. Applied Physics Letters, 2004, 85, 1247-1249.	1.5	4
54	Anomalous thickness dispersion of unoccupied states in the Cu/Ni/Cu(100) metallic quantum well system. Physica Status Solidi (B): Basic Research, 2004, 241, 2358-2362.	0.7	4

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55	Giant Coster-Kronig Transitions and Intrinsic Line Shapes of the Anomalous PdM45VVAuger Spectrum ofPd/Ag(100)Dilute Surface Alloys. Physical Review Letters, 2003, 91, 176403.	2.9	9
56	A method for determining intrinsic shapes of overlapping spectral lines in Auger-photoelectron coincidence spectroscopy. Review of Scientific Instruments, 2000, 71, 1781-1787.	0.6	19
57	Unoccupied electronic states of the Cs/Cu(100) and Cs/Cu(111) adsorption systems. Physical Review B, 1997, 56, 15404-15411.	1.1	35