

Karine Chesnel

List of Publications by Year in descending order

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24
papers

399
citations

687335

13
h-index

752679

20
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24
docs citations

24
times ranked

498
citing authors

#	ARTICLE	IF	CITATIONS
1	Using small-angle scattering to guide functional magnetic nanoparticle design. <i>Nanoscale Advances</i> , 2022, 4, 1026-1059.	4.6	32
2	Micro-structuration effects on local magneto-transport in [Co/Pd]IrMn thin films. <i>AIP Advances</i> , 2022, 12, 035327.	1.3	0
3	Superparamagnetic dynamics and blocking transition in Fe_3O_4 nanoparticles probed by vibrating sample magnetometry and muon spin relaxation. <i>Physical Review Materials</i> , 2021, 5, .	2.4	6
4	Robustness of the remanent magnetic domain pattern formation and associated stripe-bubble transitions in Co/Pt multilayers against field sequencing. <i>AIP Advances</i> , 2021, 11, 015339.	1.3	2
5	Size-Dependent Crystalline and Magnetic Properties of 5–100 nm Fe_3O_4 Nanoparticles: Superparamagnetism, Verwey Transition, and Core-Shell Formation. <i>IEEE Transactions on Magnetics</i> , 2020, 56, 1-9.	2.1	5
6	Control of domain structure and magnetization reversal in thick Co/Pt multilayers. <i>Physical Review B</i> , 2019, 99, .	3.2	34
7	Modeling inter-particle magnetic correlations in magnetite nanoparticle assemblies using x-ray magnetic scattering data. <i>AIP Advances</i> , 2019, 9, 035033.	1.3	6
8	Unraveling Nanoscale Magnetic Ordering in Fe_3O_4 Nanoparticle Assemblies via X-rays. <i>Magnetochemistry</i> , 2018, 4, 42.	2.4	12
9	Morphological stripe-bubble transition in remanent magnetic domain patterns of Co/Pt multilayer films and its dependence on Co thickness. <i>Physical Review B</i> , 2018, 98, .	3.2	20
10	Nanoscale Magnetic Domain Memory. , 2018, , .		0
11	Shaping nanoscale magnetic domain memory in exchange-coupled ferromagnets by field cooling. <i>Nature Communications</i> , 2016, 7, 11648.	12.8	19
12	Enhancement of magnetic domain topologies in Co/Pt thin films by fine tuning the magnetic field path throughout the hysteresis loop. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 399, 164-169.	2.3	18
13	Particle size effects on the magnetic behaviour of 5 to 11 nm Fe_3O_4 nanoparticles coated with oleic acid. <i>Journal of Physics: Conference Series</i> , 2014, 521, 012004.	0.4	24
14	Orbital and spin moments of 5 to 11 nm Fe_3O_4 nanoparticles measured via x-ray magnetic circular dichroism. <i>Journal of Applied Physics</i> , 2014, 115, 17B537.	2.5	15
15	Influence of structural disorder on magnetic domain formation in perpendicular anisotropy thin films. <i>Physical Review B</i> , 2013, 87, .	3.2	41
16	Field mapping and temperature dependence of magnetic domain memory induced by exchange couplings. <i>New Journal of Physics</i> , 2013, 15, 023016.	2.9	8
17	Mapping spatial and field dependence of magnetic domain memory by soft X-ray speckle metrology. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 293-306.	2.4	12
18	Oscillating spatial dependence of domain memory in ferromagnetic films mapped via x-ray speckle correlation. <i>Physical Review B</i> , 2011, 83, .	3.2	14

#	ARTICLE	IF	CITATIONS
19	Probing complex materials with coherent soft X-rays. Applied Physics A: Materials Science and Processing, 2008, 92, 431-437.	2.3	17
20	Magnetic memory in ferromagnetic thin films via exchange coupling. Physical Review B, 2008, 78, .	3.2	15
21	Interparticle magnetic correlations in dense Co nanoparticle assemblies. Physical Review B, 2005, 71, .	3.2	33
22	Tracking the local reversal processes in nanostructures by magnetic speckles. Physical Review B, 2004, 70, .	3.2	18
23	Soft X-ray resonant magnetic scattering from FePd thin films: a study of the micromagnetic components. Physica B: Condensed Matter, 2004, 345, 143-147.	2.7	12
24	Soft-x-ray magnetic speckles from a nanostructured FePd wire. Physical Review B, 2002, 66, .	3.2	36