

Peter S Normile

List of Publications by Year in descending order

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48
papers

906
citations

566801

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49
all docs

49
docs citations

49
times ranked

1284
citing authors

#	ARTICLE	IF	CITATIONS
1	A High-Pressure Structure in Curium Linked to Magnetism. <i>Science</i> , 2005, 309, 110-113.	6.0	112
2	A nanoparticle replica of the spin-glass state. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	69
3	Reversible control of magnetic interactions by electric field in a single-phase material. <i>Nature Communications</i> , 2013, 4, 1334.	5.8	67
4	Controlled Close-Packing of Ferrimagnetic Nanoparticles: An Assessment of the Role of Interparticle Superexchange Versus Dipolar Interactions. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10213-10219.	1.5	62
5	Remanence Plots as a Probe of Spin Disorder in Magnetic Nanoparticles. <i>Chemistry of Materials</i> , 2017, 29, 8258-8268.	3.2	61
6	Emergent Superstructural Dynamic Order due to Competing Antiferroelectric and Antiferrodistortive Instabilities in Bulk EuTiO_3 . <i>Physical Review Letters</i> , 2013, 110, 027201.	2.9	57
7	Exchange bias and nanoparticle magnetic stability in Co-CoO composites. <i>Physical Review B</i> , 2006, 73, .	1.1	42
8	Maximizing Exchange Bias in Co/CoO Core/Shell Nanoparticles by Lattice Matching between the Shell and the Embedding Matrix. <i>Chemistry of Materials</i> , 2017, 29, 5200-5206.	3.2	38
9	Size-dependent surface effects in maghemite nanoparticles and its impact on interparticle interactions in dense assemblies. <i>Nanotechnology</i> , 2015, 26, 475703.	1.3	35
10	Simultaneous Individual and Dipolar Collective Properties in Binary Assemblies of Magnetic Nanoparticles. <i>Chemistry of Materials</i> , 2020, 32, 969-981.	3.2	26
11	Influence of spacer layer morphology on the exchange-bias properties of reactively sputtered $\text{Co}/\text{Ag}/\text{Co}$ multilayers. <i>Physical Review B</i> , 2007, 76, .	1.1	24
12	Oxygen-assisted control of surface morphology in nonepitaxial sputter growth of Ag. <i>Applied Physics Letters</i> , 2006, 89, 201902.	1.5	23
13	Demagnetization effects in dense nanoparticle assemblies. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	20
14	Magnetically Enhanced Mechanical Stability and Super-Size Effects in Self-Assembled Superstructures of Nanocubes. <i>Advanced Functional Materials</i> , 2019, 29, 1904825.	7.8	17
15	High-pressure structural parameters of the superconductors CeMn_5 and PuMGa_5 (M=Co,Rh). <i>Physical Review B</i> , 2005, 72, .	1.1	16
16	Crossover From Individual to Collective Magnetism in Dense Nanoparticle Systems: Local Anisotropy Versus Dipolar Interactions. <i>Small</i> , 2022, 18, .	5.2	16
17	Energy barrier enhancement by weak magnetic interactions in Co/Nb granular films assembled by inert gas condensation. <i>Physical Review B</i> , 2012, 85, .	1.1	15
18	Effects of the individual particle relaxation time on superspin glass dynamics. <i>Physical Review B</i> , 2016, 93, .	1.1	14

#	ARTICLE	IF	CITATIONS
19	UPd ₃ under high pressure: Lattice properties. Physical Review B, 2003, 67, .	1.1	13
20	Malleability of uranium: Manipulating the charge-density wave in epitaxial films. Physical Review B, 2014, 89, .	1.1	12
21	Exchange Bias Optimization by Controlled Oxidation of Cobalt Nanoparticle Films Prepared by Sputter Gas Aggregation. Nanomaterials, 2017, 7, 61.	1.9	12
22	(U _{1-x} Pu _x)Sb solid solutions. II. Energy dependencies. Physical Review B, 2002, 66, .	1.1	11
23	(U _{1-x} Pu _x)Sb solid solutions. I. Magnetic configurations. Physical Review B, 2002, 66, .	1.1	11
24	Particle size-dependent superspin glass behavior in random compacts of monodisperse maghemite nanoparticles. Materials Research Express, 2016, 3, 045015.	0.8	10
25	Magnetic properties of nanoparticle compacts with controlled broadening of the particle size distribution. Physical Review B, 2017, 95, .	1.1	9
26	Core Size and Interface Impact on the Exchange Bias of Cobalt/Cobalt Oxide Nanostructures. Magnetochemistry, 2021, 7, 40.	1.0	9
27	New insights into controlling the twin structure of magnetic iron oxide nanoparticles. Applied Materials Today, 2021, 24, 101084.	2.3	9
28	On the detection of surface spin freezing in iron oxide nanoparticles and its long-term evolution under ambient oxidation. Nanotechnology, 2021, 32, 065704.	1.3	9
29	Optical and vibrational properties of CaZnOS: The role of intrinsic defects. Journal of Alloys and Compounds, 2019, 777, 225-233.	2.8	8
30	Gas Phase Synthesis of Multi-Element Nanoparticles. Nanomaterials, 2021, 11, 2803.	1.9	8
31	A systematic study of techniques for elective cervical nodal irradiation with anterior or opposed anterior and posterior beams. Radiotherapy and Oncology, 2003, 69, 43-51.	0.3	6
32	X-ray scattering from uniform and patterned indium tin oxide thin films. Journal Physics D: Applied Physics, 2003, 36, A209-A213.	1.3	6
33	Flexible, multifunctional nanoribbon arrays of palladium nanoparticles for transparent conduction and hydrogen detection. Applied Surface Science, 2019, 470, 212-218.	3.1	6
34	Reconfigurable Mechanical Anisotropy in Self-Assembled Magnetic Superstructures. Advanced Science, 2021, 8, 2002683.	5.6	6
35	Improvement of magnetic particle stability upon annealing in an exchange-biased nanogranular system. Journal of Applied Physics, 2006, 100, 064312.	1.1	5
36	Reactive sputtering synthesis of Co-CoO-Ag nanogranular and multilayer films containing core-shell particles. Journal of Applied Physics, 2007, 101, 09E504.	1.1	5

#	ARTICLE	IF	CITATIONS
37	Use of a synchronization card for XMCD measurements at the XMaS Beamline. , 2010, , .		4
38	Magnetic ordering in $\text{GdNi}_2\text{B}_2\text{C}$ revisited by resonant x-ray scattering: Evidence for the double-Multiferroic behavior in a EuTi_3O_7 model. Physical Review B, 2013, 88, . display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>B<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>C	1.1	4
39	Multiferroic behavior in EuTi_3O_7 model. Physical Review B, 2013, 88, . xlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>EuTi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> films constrained by symmetry. Physical Review B, 2020, 101, .	1.1	4
40	Magnetic structure and effects of pressure on $\text{U}_4\text{PdGa}_{12}$. Physical Review B, 2009, 79, .	1.1	3
41	Ideal superspin glass behaviour in a random-close-packed ensemble of maghemite nanoparticles. Journal of Physics: Conference Series, 2014, 521, 012011.	0.3	3
42	Temperature-dependent magnetic and resistive switching phenomena in (La,Ba)MnO ₃ /ZnO heterostructure. Superlattices and Microstructures, 2018, 120, 525-532.	1.4	3
43	Effective control of the magnetic anisotropy in ferromagnetic MnBi micro-islands. Journal of Alloys and Compounds, 2021, 852, 156731.	2.8	3
44	Spectral line shapes of UM ₂ - and AsK-edge resonant x-ray scattering in the two antiferromagnetic phases of UAs. Physical Review B, 2007, 75, .	1.1	2
45	CoO layers in a reactively sputtered exchange-bias system. New Journal of Physics, 2008, 10, 083028.	1.2	2
46	Optimizing the XMaS Beamline for Low energy Operations to Maximize Benefits from the ESRF Upgrade Program. , 2010, , .		2
47	Comment on "Accurate determination of the magnetic anisotropy in cluster-assembled nanostructures" [Appl. Phys. Lett. 95, 062503 (2009)]. Applied Physics Letters, 2012, 100, .	1.5	2
48	Angle calculations for an area detector on a two-axis arm: application to powder diffraction. Journal of Applied Crystallography, 2014, 47, 1769-1771.	1.9	0