Peter S Normile

List of Publications by Citations

47 papers	711 citations	13 h-index	25 g-index
49 ext. papers	802 ext. citations	5.5 avg, IF	3.3 L-index

#	Paper	IF	Citations
47	A high-pressure structure in curium linked to magnetism. *Science*, **2005**, 309, 110-3	33.3	97
46	Reversible control of magnetic interactions by electric field in a single-phase material. *Nature Communications*, **2013**, 4, 1334	17.4	62
45	A nanoparticle replica of the spin-glass state. *Applied Physics Letters*, **2013**, 102, 183104	3.4	60
44	Controlled Close-Packing of Ferrimagnetic Nanoparticles: An Assessment of the Role of Interparticle Superexchange Versus Dipolar Interactions. *Journal of Physical Chemistry C*, **2013**, 117, 10213-10219	3.8	56
43	Emergent superstructural dynamic order due to competing antiferroelectric and antiferrodistortive instabilities in bulk EuTiO3. *Physical Review Letters*, **2013**, 110, 027201	7.4	54
42	Remanence Plots as a Probe of Spin Disorder in Magnetic Nanoparticles. *Chemistry of Materials*, **2017**, 29, 8258-8268	9.6	45
41	Exchange bias and nanoparticle magnetic stability in Co-CoO composites. *Physical Review B*, **2006**, 73,	3.3	40
40	Maximizing Exchange Bias in Co/CoO Core/Shell Nanoparticles by Lattice Matching between the Shell and the Embedding Matrix. *Chemistry of Materials*, **2017**, 29, 5200-5206	9.6	27
39	Size-dependent surface effects in maghemite nanoparticles and its impact on interparticle interactions in dense assemblies. *Nanotechnology*, **2015**, 26, 475703	3.4	26
38	Influence of spacer layer morphology on the exchange-bias properties of reactively sputtered Co/Ag multilayers. *Physical Review B*, **2007**, 76,	3.3	20
37	Oxygen-assisted control of surface morphology in nonepitaxial sputter growth of Ag. *Applied Physics Letters*, **2006**, 89, 201902	3.4	17
36	High-pressure structural parameters of the superconductors CeMIn5 and PuMGa5 (M=Co,Rh). *Physical Review B*, **2005**, 72,	3.3	16
35	Demagnetization effects in dense nanoparticle assemblies. *Applied Physics Letters*, **2016**, 109, 152404	3.4	14
34	Simultaneous Individual and Dipolar Collective Properties in Binary Assemblies of Magnetic Nanoparticles. *Chemistry of Materials*, **2020**, 32, 969-981	9.6	13
33	Energy barrier enhancement by weak magnetic interactions in Co/Nb granular films assembled by inert gas condensation. *Physical Review B*, **2012**, 85,	3.3	13
32	UPd3 under high pressure: Lattice properties. *Physical Review B*, **2003**, 67,	3.3	12
31	Effects of the individual particle relaxation time on superspin glass dynamics. *Physical Review B*, **2016**, 93,	3.3	10

30	Magnetically Enhanced Mechanical Stability and Super-Size Effects in Self-Assembled Superstructures of Nanocubes. *Advanced Functional Materials*, **2019**, 29, 1904825	15.6	9
29	(U1−xPux)Sb solid solutions. II. Energy dependencies. *Physical Review B*, **2002**, 66,	3.3	9
28	(U1−xPux)Sb solid solutions. I. Magnetic configurations. *Physical Review B*, **2002**, 66,	3.3	9
27	Exchange Bias Optimization by Controlled Oxidation of Cobalt Nanoparticle Films Prepared by Sputter Gas Aggregation. *Nanomaterials*, **2017**, 7,	5.4	8
26	Magnetic properties of nanoparticle compacts with controlled broadening of the particle size distribution. *Physical Review B*, **2017**, 95,	3.3	7
25	Malleability of uranium: Manipulating the charge-density wave in epitaxial films. *Physical Review B*, **2014**, 89,	3.3	6
24	X-ray scattering from uniform and patterned indium tin oxide thin films. *Journal Physics D: Applied Physics*, **2003**, 36, A209-A213	3	6
23	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	5.3	6
22	On the detection of surface spin freezing in iron oxide nanoparticles and its long-term evolution under ambient oxidation. *Nanotechnology*, **2021**, 32, 065704	3.4	6
21	Particle size-dependent superspin glass behavior in random compacts of monodisperse maghemite nanoparticles. *Materials Research Express*, **2016**, 3, 045015	1.7	6
20	Optical and vibrational properties of CaZnOS: The role of intrinsic defects. *Journal of Alloys and Compounds*, **2019**, 777, 225-233	5.7	6
19	Improvement of magnetic particle stability upon annealing in an exchange-biased nanogranular system. *Journal of Applied Physics*, **2006**, 100, 064312	2.5	5
18	Reactive sputtering synthesis of Co□CoO□Ag nanogranular and multilayer films containing core-shell particles. *Journal of Applied Physics*, **2007**, 101, 09E504	2.5	5
17	New insights into controlling the twin structure of magnetic iron oxide nanoparticles. *Applied Materials Today*, **2021**, 24, 101084	6.6	5
16	Types of Cluster Sources **2017**, 39-55		4
15	Magnetic ordering in GdNi2B2C revisited by resonant x-ray scattering: Evidence for the double-q model. *Physical Review B*, **2013**, 88,	3.3	4
14	Use of a synchronization card for XMCD measurements at the XMaS Beamline **2010**,		4
13	Flexible, multifunctional nanoribbon arrays of palladium nanoparticles for transparent conduction and hydrogen detection. *Applied Surface Science*, **2019**, 470, 212-218	6.7	4

12	Magnetic structure and effects of pressure on U4PdGa12. *Physical Review B*, **2009**, 79,	3.3	3
11	Temperature-dependent magnetic and resistive switching phenomena in (La,Ba)MnO3/ZnO heterostructure. *Superlattices and Microstructures*, **2018**, 120, 525-532	2.8	2
10	Ideal superspin glass behaviour in a random-close-packed ensemble of maghemite nanoparticles. *Journal of Physics: Conference Series*, **2014**, 521, 012011	0.3	2
9	Comment on Accurate determination of the magnetic anisotropy in cluster-assembled nanostructures[Appl. Phys. Lett. 95, 062503 (2009)]. *Applied Physics Letters*, **2012**, 100, 136101	3.4	2
8	Optimizing the XMaS Beamline for Low energy Operations to Maximize Benefits from the ESRF Upgrade Program **2010**,		2
7	CoO1ayers in a reactively sputtered exchange-bias system. *New Journal of Physics*, **2008**, 10, 083028	2.9	2
6	Spectral line shapes of U M2- and As K-edge resonant x-ray scattering in the two antiferromagnetic phases of UAs. *Physical Review B*, **2007**, 75,	3.3	2
5	Reconfigurable Mechanical Anisotropy in Self-Assembled Magnetic Superstructures. *Advanced Science*, **2021**, 8, 2002683	13.6	2
4	Multiferroic behavior in EuTiO3 films constrained by symmetry. *Physical Review B*, **2020**, 101,	3.3	1
3	Core Size and Interface Impact on the Exchange Bias of Cobalt/Cobalt Oxide Nanostructures. *Magnetochemistry*, **2021**, 7, 40	3.1	1
2	Effective control of the magnetic anisotropy in ferromagnetic MnBi micro-islands. *Journal of Alloys and Compounds*, **2021**, 852, 156731	5.7	0
1	Angle calculations for an area detector on a two-axis arm: application to powder diffraction. *Journal of Applied Crystallography*, **2014**, 47, 1769-1771	3.8	