

Peter S Normile

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6631364/peter-s-normile-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	On the detection of surface spin freezing in iron oxide nanoparticles and its long-term evolution under ambient oxidation. <i>Nanotechnology</i> , 2021 , 32, 065704	3.4	6
46	Core Size and Interface Impact on the Exchange Bias of Cobalt/Cobalt Oxide Nanostructures. <i>Magnetochemistry</i> , 2021 , 7, 40	3.1	1
45	Effective control of the magnetic anisotropy in ferromagnetic MnBi micro-islands. <i>Journal of Alloys and Compounds</i> , 2021 , 852, 156731	5.7	0
44	Reconfigurable Mechanical Anisotropy in Self-Assembled Magnetic Superstructures. <i>Advanced Science</i> , 2021 , 8, 2002683	13.6	2
43	New insights into controlling the twin structure of magnetic iron oxide nanoparticles. <i>Applied Materials Today</i> , 2021 , 24, 101084	6.6	5
42	Multiferroic behavior in EuTiO ₃ films constrained by symmetry. <i>Physical Review B</i> , 2020 , 101,	3.3	1
41	Simultaneous Individual and Dipolar Collective Properties in Binary Assemblies of Magnetic Nanoparticles. <i>Chemistry of Materials</i> , 2020 , 32, 969-981	9.6	13
40	Magnetically Enhanced Mechanical Stability and Super-Size Effects in Self-Assembled Superstructures of Nanocubes. <i>Advanced Functional Materials</i> , 2019 , 29, 1904825	15.6	9
39	Flexible, multifunctional nanoribbon arrays of palladium nanoparticles for transparent conduction and hydrogen detection. <i>Applied Surface Science</i> , 2019 , 470, 212-218	6.7	4
38	Optical and vibrational properties of CaZnOS: The role of intrinsic defects. <i>Journal of Alloys and Compounds</i> , 2019 , 777, 225-233	5.7	6
37	Temperature-dependent magnetic and resistive switching phenomena in (La,Ba)MnO ₃ /ZnO heterostructure. <i>Superlattices and Microstructures</i> , 2018 , 120, 525-532	2.8	2
36	Types of Cluster Sources 2017 , 39-55		4
35	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	9.6	27
34	Remanence Plots as a Probe of Spin Disorder in Magnetic Nanoparticles. <i>Chemistry of Materials</i> , 2017 , 29, 8258-8268	9.6	45
33	Magnetic properties of nanoparticle compacts with controlled broadening of the particle size distribution. <i>Physical Review B</i> , 2017 , 95,	3.3	7
32	Exchange Bias Optimization by Controlled Oxidation of Cobalt Nanoparticle Films Prepared by Sputter Gas Aggregation. <i>Nanomaterials</i> , 2017 , 7,	5.4	8
31	Effects of the individual particle relaxation time on superspin glass dynamics. <i>Physical Review B</i> , 2016 , 93,	3.3	10

30	Demagnetization effects in dense nanoparticle assemblies. <i>Applied Physics Letters</i> , 2016 , 109, 152404	3.4	14
29	Particle size-dependent superspin glass behavior in random compacts of monodisperse maghemite nanoparticles. <i>Materials Research Express</i> , 2016 , 3, 045015	1.7	6
28	Size-dependent surface effects in maghemite nanoparticles and its impact on interparticle interactions in dense assemblies. <i>Nanotechnology</i> , 2015 , 26, 475703	3.4	26
27	Ideal superspin glass behaviour in a random-close-packed ensemble of maghemite nanoparticles. <i>Journal of Physics: Conference Series</i> , 2014 , 521, 012011	0.3	2
26	Malleability of uranium: Manipulating the charge-density wave in epitaxial films. <i>Physical Review B</i> , 2014 , 89,	3.3	6
25	Angle calculations for an area detector on a two-axis arm: application to powder diffraction. <i>Journal of Applied Crystallography</i> , 2014 , 47, 1769-1771	3.8	
24	Reversible control of magnetic interactions by electric field in a single-phase material. <i>Nature Communications</i> , 2013 , 4, 1334	17.4	62
23	Emergent superstructural dynamic order due to competing antiferroelectric and antiferrodistortive instabilities in bulk EuTiO ₃ . <i>Physical Review Letters</i> , 2013 , 110, 027201	7.4	54
22	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	3.8	56
21	A nanoparticle replica of the spin-glass state. <i>Applied Physics Letters</i> , 2013 , 102, 183104	3.4	60
20	Magnetic ordering in GdNi ₂ B ₂ C revisited by resonant x-ray scattering: Evidence for the double-q model. <i>Physical Review B</i> , 2013 , 88,	3.3	4
19	Energy barrier enhancement by weak magnetic interactions in Co/Nb granular films assembled by inert gas condensation. <i>Physical Review B</i> , 2012 , 85,	3.3	13
18	Comment on Accurate determination of the magnetic anisotropy in cluster-assembled nanostructures [Appl. Phys. Lett. 95, 062503 (2009)]. <i>Applied Physics Letters</i> , 2012 , 100, 136101	3.4	2
17	Use of a synchronization card for XMCD measurements at the XMaS Beamline 2010 ,		4
16	Optimizing the XMaS Beamline for Low energy Operations to Maximize Benefits from the ESRF Upgrade Program 2010 ,		2
15	Magnetic structure and effects of pressure on U ₄ PdGa ₁₂ . <i>Physical Review B</i> , 2009 , 79,	3.3	3
14	CoO _{1.5} layers in a reactively sputtered exchange-bias system. <i>New Journal of Physics</i> , 2008 , 10, 083028	2.9	2
13	Spectral line shapes of U M ₂ - and As K-edge resonant x-ray scattering in the two antiferromagnetic phases of UAs. <i>Physical Review B</i> , 2007 , 75,	3.3	2

12	Reactive sputtering synthesis of Co _{1-x} O _x /Ag nanogranular and multilayer films containing core-shell particles. <i>Journal of Applied Physics</i> , 2007 , 101, 09E504	2-5	5
11	Influence of spacer layer morphology on the exchange-bias properties of reactively sputtered Co/Ag multilayers. <i>Physical Review B</i> , 2007 , 76,	3-3	20
10	Exchange bias and nanoparticle magnetic stability in Co-CoO composites. <i>Physical Review B</i> , 2006 , 73,	3-3	40
9	Oxygen-assisted control of surface morphology in nonepitaxial sputter growth of Ag. <i>Applied Physics Letters</i> , 2006 , 89, 201902	3-4	17
8	Improvement of magnetic particle stability upon annealing in an exchange-biased nanogranular system. <i>Journal of Applied Physics</i> , 2006 , 100, 064312	2-5	5
7	High-pressure structural parameters of the superconductors CeMIn ₅ and PuMGa ₅ (M=Co,Rh). <i>Physical Review B</i> , 2005 , 72,	3-3	16
6	A high-pressure structure in curium linked to magnetism. <i>Science</i> , 2005 , 309, 110-3	33-3	97
5	X-ray scattering from uniform and patterned indium tin oxide thin films. <i>Journal Physics D: Applied Physics</i> , 2003 , 36, A209-A213	3	6
4	A systematic study of techniques for elective cervical nodal irradiation with anterior or opposed anterior and posterior beams. <i>Radiotherapy and Oncology</i> , 2003 , 69, 43-51	5-3	6
3	UPd ₃ under high pressure: Lattice properties. <i>Physical Review B</i> , 2003 , 67,	3-3	12
2	(U _{1-x} Pu _x)Sb solid solutions. II. Energy dependencies. <i>Physical Review B</i> , 2002 , 66,	3-3	9
1	(U _{1-x} Pu _x)Sb solid solutions. I. Magnetic configurations. <i>Physical Review B</i> , 2002 , 66,	3-3	9