Amit Kohn

List of Publications by Year
in descending order

21	201	1040056 9	1058476 14
papers	citations	h-index	g-index

22	22	22	413
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Parallel pâ€“n Junctions across Nanowires by One-Step Ex Situ Doping. ACS Nano, 2014, 8, 8357-8362.	14.6	31
2	Structure of epitaxial L1-FePt/MgO perpendicular magnetic tunnel junctions. Applied Physics Letters, 2013, 102, .	3.3	21
3	Enhanced exchange anisotropy in IrMn/CoFeB systems and its correlation with uncompensated interfacial spins. Applied Physics Letters, 2010, 96, .	3.3	19
4	Transmission Electron Microscopy Study of the Fe(001) $vert$ MgO(001) Interface for Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2007, 43, 2779-2781.	2.1	18
5	Dopant mapping in thin FIB prepared silicon samples by Off-Axis Electron Holography. Ultramicroscopy, 2014, 138, 36-45.	1.9	16
6	Interface alloying of ultra-thin sputter-deposited Co2MnSi films as a source of perpendicular magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 2019, 489, 165367.	2.3	15
7	Experimental evaluation of the â€˜transport-of-intensityâ€™ equation for magnetic phase reconstruction in Lorentz transmission electron microscopy. Ultramicroscopy, 2016, 160, 44-56.	1.9	14
8	Mapping Charge Distribution in Single PbS Core â€“ CdS Arm Nano-Multipod Heterostructures by Off-Axis Electron Holography. Nano Letters, 2017, 17, 2778-2787.	9.1	10
9	Controlling the supermagnetic response of tetragonal Î±-FeSi2 nanoislands. Applied Surface Science, 2019, 476, 189-197.	6.1	10
10	Measuring the mean inner potential of Al2O3 sapphire using off-axis electron holography. Ultramicroscopy, 2019, 198, 18-25.	1.9	9
11	Charge distribution in nanoâ€scale grains of magnesium aluminate spinel. Journal of the American Ceramic Society, 2017, 100, 800-811.	3.8	8
12	Mean inner potential of graphite measured by electron holography: Probing charge distribution and orbital diamagnetic susceptibility. Carbon, 2021, 179, 288-298.	10.3	6
13	Analysis of computational EELS modelling results for MgO-based systems. Ultramicroscopy, 2010, 110, 1059-1069.	1.9	5
14	Elastic and inelastic mean free paths for scattering of fast electrons in thin-film oxides. Ultramicroscopy, 2022, 240, 113570.	1.9	5
15	Multi-resistance state tuned by interfacial active Pt layer in a perpendicular Hall balance. Applied Surface Science, 2020, 521, 146475.	6.1	4
16	Self-organized exchange-spring magnet in epitaxial Î²-Fe(Ni)Si2/Si system. Applied Surface Science, 2021, 562, 150071.	6.1	4
17	Interfacial contributions to anomalous Hall effect in perpendicular magnetic anisotropic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>[</mml:mo><mml:mi mathvariant="normal">C</mml:mi></mml:mrow><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mrow><mml:mi>MnSi</mml:mi><mml:mo> multilayer. Physical Review Materials, 2018, 2, .	2.4	4
18	Measuring the Mean Inner Potential Of Al2O3 Sapphire Using Off-axis Electron Holography. Microscopy and Microanalysis, 2020, 26, 420-422.	0.4	1

#	Article	IF	Citations
19	Lattice-Match Stabilization and Magnetic Properties of Metastable Epitaxial Permalloy-Disilicide Nanostructures on a Vicinal Si(111) Substrate. Nanomaterials, 2021, 11, 1310.	4.1	1
20	Measuring the Mean Inner Potential Of Bernal Graphite Using Off-axis Electron Holography. Microscopy and Microanalysis, 2021, 27, 694-697.	0.4	0
21	Direct measurements of space-charge-regions in individual nanometer-scale crystals of Al2O3-rich magnesium-aluminate-spinel using off-axis electron holography and electron energy-loss spectroscopy. Acta Materialia, 2021, 217, 117174.	7.9	0