

# Amit Kohn

## List of Publications by Year in descending order

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21  
papers

201  
citations

1040056

9  
h-index

1058476

14  
g-index

22  
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22  
docs citations

22  
times ranked

413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic and inelastic mean free paths for scattering of fast electrons in thin-film oxides. <i>Ultramicroscopy</i> , 2022, 240, 113570.	1.9	5
2	Lattice-Match Stabilization and Magnetic Properties of Metastable Epitaxial Permalloy-Disilicide Nanostructures on a Vicinal Si(111) Substrate. <i>Nanomaterials</i> , 2021, 11, 1310.	4.1	1
3	Mean inner potential of graphite measured by electron holography: Probing charge distribution and orbital diamagnetic susceptibility. <i>Carbon</i> , 2021, 179, 288-298.	10.3	6
4	Measuring the Mean Inner Potential Of Bernal Graphite Using Off-axis Electron Holography. <i>Microscopy and Microanalysis</i> , 2021, 27, 694-697.	0.4	0
5	Direct measurements of space-charge-regions in individual nanometer-scale crystals of Al <sub>2</sub> O <sub>3</sub> -rich magnesium-aluminate-spinel using off-axis electron holography and electron energy-loss spectroscopy. <i>Acta Materialia</i> , 2021, 217, 117174.	7.9	0
6	Self-organized exchange-spring magnet in epitaxial $\hat{1}^2$ -Fe(Ni)Si <sub>2</sub> /Si system. <i>Applied Surface Science</i> , 2021, 562, 150071.	6.1	4
7	Multi-resistance state tuned by interfacial active Pt layer in a perpendicular Hall balance. <i>Applied Surface Science</i> , 2020, 521, 146475.	6.1	4
8	Measuring the Mean Inner Potential Of Al <sub>2</sub> O <sub>3</sub> Sapphire Using Off-axis Electron Holography. <i>Microscopy and Microanalysis</i> , 2020, 26, 420-422.	0.4	1
9	Interface alloying of ultra-thin sputter-deposited Co <sub>2</sub> MnSi films as a source of perpendicular magnetic anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165367.	2.3	15
10	Controlling the supermagnetic response of tetragonal $\hat{1}^{\pm}$ -FeSi <sub>2</sub> nanoislands. <i>Applied Surface Science</i> , 2019, 476, 189-197.	6.1	10
11	Measuring the mean inner potential of Al <sub>2</sub> O <sub>3</sub> sapphire using off-axis electron holography. <i>Ultramicroscopy</i> , 2019, 198, 18-25.	1.9	9
12	Interfacial contributions to anomalous Hall effect in perpendicular magnetic anisotropic $C_{\alpha}C_{\beta}MnSi_2$ multilayer. <i>Physical Review Materials</i> , 2018, 2, .	2.4	4
13	Mapping Charge Distribution in Single PbS Core $\hat{1}^{\pm}$ CdS Arm Nano-Multipod Heterostructures by Off-Axis Electron Holography. <i>Nano Letters</i> , 2017, 17, 2778-2787.	9.1	10
14	Charge distribution in nano-scale grains of magnesium aluminate spinel. <i>Journal of the American Ceramic Society</i> , 2017, 100, 800-811.	3.8	8
15	Experimental evaluation of the $\hat{1}^{\pm}$ transport-of-intensity equation for magnetic phase reconstruction in Lorentz transmission electron microscopy. <i>Ultramicroscopy</i> , 2016, 160, 44-56.	1.9	14
16	Parallel $\hat{1}^{\pm}$ Junctions across Nanowires by One-Step <i>Ex Situ</i> Doping. <i>ACS Nano</i> , 2014, 8, 8357-8362.	14.6	31
17	Dopant mapping in thin FIB prepared silicon samples by Off-Axis Electron Holography. <i>Ultramicroscopy</i> , 2014, 138, 36-45.	1.9	16
18	Structure of epitaxial L1-FePt/MgO perpendicular magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	21

#	ARTICLE	IF	CITATIONS
19	Enhanced exchange anisotropy in IrMn/CoFeB systems and its correlation with uncompensated interfacial spins. Applied Physics Letters, 2010, 96, .	3.3	19
20	Analysis of computational EELS modelling results for MgO-based systems. Ultramicroscopy, 2010, 110, 1059-1069.	1.9	5
21	Transmission Electron Microscopy Study of the Fe(001) $\perp$ MgO(001) Interface for Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2007, 43, 2779-2781.	2.1	18