

# Indranil Roy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1412168/publications.pdf>

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1163117

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docs citations

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times ranked

138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chern mosaic and Berry-curvature magnetism in magic-angle graphene. Nature Physics, 2022, 18, 885-892.	16.7	37
2	Direct observation of vortices in an electron fluid. Nature, 2022, 607, 74-80.	27.8	33
3	Evidence of zero-point fluctuation of vortices in a very weakly pinned $a$ -MoGe thin film. Physical Review B, 2021, 103, .	3.2	6
4	Destruction of superconductivity through phase fluctuations in ultrathin $a$ -MoGe films. Physical Review B, 2020, 102, .	3.2	10
5	Collective flux pinning in hexatic vortex fluid in $a$ -MoGe thin film. Journal of Physics Condensed Matter, 2020, 32, 075601.	1.8	8
6	Melting of the Vortex Lattice through Intermediate Hexatic Fluid in an $a$ -MoGe Thin Film. Physical Review Letters, 2019, 122, 047001.	7.8	33
7	Robust pseudogap across the magnetic field driven superconductor to insulator-like transition in strongly disordered NbN films. European Physical Journal B, 2019, 92, 1.	1.5	5
8	Extreme sensitivity of the vortex state in $a$ -MoGe films to radio-frequency electromagnetic perturbation. Physical Review B, 2019, 100, .	3.2	14
9	Dynamic transition from Mott-like to metal-like state of the vortex lattice in a superconducting film with a periodic array of holes. Physical Review B, 2017, 95, .	3.2	8
10	Magnetic field induced emergent inhomogeneity in a superconducting film with weak and homogeneous disorder. Physical Review B, 2017, 96, .	3.2	26
11	Disorder-induced two-step melting of vortex matter in Co-intercalated $\text{NbS}_2$ single crystals. Physical Review B, 2016, 93, .	3.2	15