

# Eva Y Andrei

## List of Publications by Year in descending order

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44  
papers

7,917  
citations

186265

28  
h-index

243625

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g-index

48  
all docs

48  
docs citations

48  
times ranked

9848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chern insulators, van Hove singularities and topological flat bands in magic-angle twisted bilayer graphene. <i>Nature Materials</i> , 2021, 20, 488-494.	27.5	192
2	The marvels of moiré materials. <i>Nature Reviews Materials</i> , 2021, 6, 201-206.	48.7	262
3	Flat band carrier confinement in magic-angle twisted bilayer graphene. <i>Nature Communications</i> , 2021, 12, 4180.	12.8	22
4	Charge Density Wave Vortex Lattice Observed in Graphene-Passivated 1T-TaS <sub>2</sub> by Ambient Scanning Tunneling Microscopy. <i>Nano Letters</i> , 2021, 21, 6132-6138.	9.1	11
5	Observation of a topological defect lattice in the charge density wave of 1T-TaS <sub>2</sub> . <i>Applied Physics Letters</i> , 2021, 119, .	3.3	5
6	Graphene bilayers with a twist. <i>Nature Materials</i> , 2020, 19, 1265-1275.	27.5	416
7	Evidence of flat bands and correlated states in buckled graphene superlattices. <i>Nature</i> , 2020, 584, 215-220.	27.8	118
8	Ferromagnetism in magic-angle graphene. <i>Science</i> , 2019, 365, 543-543.	12.6	50
9	Charge order and broken rotational symmetry in magic-angle twisted bilayer graphene. <i>Nature</i> , 2019, 573, 91-95.	27.8	491
10	Electrostatic imaging of encapsulated graphene. <i>2D Materials</i> , 2019, 6, 045034.	4.4	9
11	Modeling of the gate-controlled Kondo effect at carbon point defects in graphene. <i>Physical Review B</i> , 2018, 97, .	3.2	14
12	Inducing Kondo screening of vacancy magnetic moments in graphene with gating and local curvature. <i>Nature Communications</i> , 2018, 9, 2349.	12.8	44
13	Atomic scale characterization of mismatched graphene layers. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2017, 219, 92-98.	1.7	8
14	Visualizing Strain-Induced Pseudomagnetic Fields in Graphene through an hBN Magnifying Glass. <i>Nano Letters</i> , 2017, 17, 2839-2843.	9.1	125
15	Tuning a circular p <sup>n</sup> junction in graphene from quantum confinement to optical guiding. <i>Nature Nanotechnology</i> , 2017, 12, 1045-1049.	31.5	79
16	Nanoscale Internal Fields in a Biased Graphene-Insulator-Semiconductor Structure. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3434-3439.	4.6	5
17	High thermoelectric power factor in graphene/hBN devices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14272-14276.	7.1	112
18	Local, global, and nonlinear screening in twisted double-layer graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6623-6628.	7.1	30



#	ARTICLE	IF	CITATIONS
37	TOWARDS BALLISTIC TRANSPORT IN GRAPHENE. , 2008, , .		0
38	TOWARDS BALLISTIC TRANSPORT IN GRAPHENE. International Journal of Modern Physics B, 2008, 22, 4579-4588.	2.0	25
39	Ageing memory and glassiness of a driven vortex system. Nature Physics, 2007, 3, 111-114.	16.7	48
40	Observation of Landau levels of Dirac fermions in graphite. Nature Physics, 2007, 3, 623-627.	16.7	308
41	Onset of Motion and Dynamic Reordering of a Vortex Lattice. Physical Review Letters, 2006, 96, 017009.	7.8	31
42	Dynamic phase boundary of a moving Bragg glass. Physica C: Superconductivity and Its Applications, 2004, 408-410, 510-511.	1.2	1
43	Tunneling time and energy uncertainty of surface-state electrons. Physical Review B, 1992, 46, 2448-2451.	3.2	12
44	Observation of the Polaronic Transition in a Two-Dimensional Electron System. Physical Review Letters, 1984, 52, 1449-1452.	7.8	73