Eva Y Andrei

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Chern insulators, van Hove singularities and topological flat bands in magic-angle twisted bilayer graphene. Nature Materials, 2021, 20, 488-494.	13.3	192
2	The marvels of moir $ ilde{A}$ © materials. Nature Reviews Materials, 2021, 6, 201-206.	23.3	262
3	Flat band carrier confinement in magic-angle twisted bilayer graphene. Nature Communications, 2021, 12, 4180.	5.8	22
4	Charge Density Wave Vortex Lattice Observed in Graphene-Passivated 1T-TaS ₂ by Ambient Scanning Tunneling Microscopy. Nano Letters, 2021, 21, 6132-6138.	4.5	11
5	Observation of a topological defect lattice in the charge density wave of 1T-TaS2. Applied Physics Letters, 2021, 119, .	1.5	5
6	Graphene bilayers with a twist. Nature Materials, 2020, 19, 1265-1275.	13.3	416
7	Evidence of flat bands and correlated states in buckled graphene superlattices. Nature, 2020, 584, 215-220.	13.7	118
8	Ferromagnetism in magic-angle graphene. Science, 2019, 365, 543-543.	6.0	50
9	Charge order and broken rotational symmetry in magic-angle twisted bilayer graphene. Nature, 2019, 573, 91-95.	13.7	491
10	Electrostatic imaging of encapsulated graphene. 2D Materials, 2019, 6, 045034.	2.0	9
11	Modeling of the gate-controlled Kondo effect at carbon point defects in graphene. Physical Review B, 2018, 97, .	1.1	14
12	Inducing Kondo screening of vacancy magnetic moments in graphene with gating and local curvature. Nature Communications, 2018, 9, 2349.	5.8	44
13	Atomic scale characterization of mismatched graphene layers. Journal of Electron Spectroscopy and Related Phenomena, 2017, 219, 92-98.	0.8	8
14	Visualizing Strain-Induced Pseudomagnetic Fields in Graphene through an hBN Magnifying Glass. Nano Letters, 2017, 17, 2839-2843.	4.5	125
15	Tuning a circular p–n junction in graphene from quantum confinement to optical guiding. Nature Nanotechnology, 2017, 12, 1045-1049.	15.6	79
16	Nanoscale Internal Fields in a Biased Graphene–Insulator–Semiconductor Structure. Journal of Physical Chemistry Letters, 2016, 7, 3434-3439.	2.1	5
17	High thermoelectricpower factor in graphene/hBN devices. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14272-14276.	3.3	112
18	Local, global, and nonlinear screening in twisted double-layer graphene. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6623-6628.	3.3	30

Eva Y Andrei

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19	Realization of a tunable artificial atom at a supercritically charged vacancy in graphene. Nature Physics, 2016, 12, 545-549.	6.5	110
20	Probing Dirac Fermions in Graphene by Scanning Tunneling Microscopy and Spectroscopy. Nanoscience and Technology, 2014, , 29-63.	1.5	2
21	Screening Charged Impurities and Lifting the Orbital Degeneracy in Graphene by Populating Landau Levels. Physical Review Letters, 2014, 112, 036804.	2.9	65
22	<mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoS</mml:mi></mml:mrow><mml:mrow><n Choice Substrate for Accessing and Tuning the Electronic Properties of Graphene. Physical Review Letters, 2014, 113, 156804.</n </mml:mrow></mml:msub></mml:mrow></mml:math>	nml:mn>2 2.9	</td
23	Bandgap, Mid-Gap States, and Gating Effects in MoS ₂ . Nano Letters, 2014, 14, 4628-4633.	4.5	286
24	Scientists of the world speak up for equality. Nature, 2013, 495, 35-38.	13.7	23
25	Evolution of Landau levels into edge states in graphene. Nature Communications, 2013, 4, 1744.	5.8	48
26	Electronic properties of graphene: a perspective from scanning tunneling microscopy and magnetotransport. Reports on Progress in Physics, 2012, 75, 056501.	8.1	220
27	Self-navigation of a scanning tunneling microscope tip toward a micron-sized graphene sample. Review of Scientific Instruments, 2011, 82, 073701.	0.6	28
28	Scanning Tunneling Microscopy and Spectroscopy of Graphene. Nanoscience and Technology, 2011, , 57-91.	1.5	0
29	Epitaxial growth of topological insulator Bi2Se3 film on Si(111) with atomically sharp interface. Thin Solid Films, 2011, 520, 224-229.	0.8	180
30	Flame synthesis of graphene films in open environments. Carbon, 2011, 49, 5064-5070.	5.4	90
31	Quantized Landau level spectrum and its density dependence in graphene. Physical Review B, 2011, 83, .	1.1	90
32	Fractional quantum Hall effect and insulating phase of Dirac electrons in graphene. Nature, 2009, 462, 192-195.	13.7	823
33	Electronic states on the surface of graphite. Physica B: Condensed Matter, 2009, 404, 2673-2677.	1.3	3
34	Scanning tunneling microscopy and spectroscopy of graphene layers on graphite. Solid State Communications, 2009, 149, 1151-1156.	0.9	56
35	Scanning Tunneling Spectroscopy of Graphene on Graphite. Physical Review Letters, 2009, 102, 176804.	2.9	456
36	Approaching ballistic transport in suspended graphene. Nature Nanotechnology, 2008, 3, 491-495.	15.6	2,865

Eva Y Andrei

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37	TOWARDS BALLISTIC TRANSPORT IN GRAPHENE. , 2008, , .		0
38	TOWARDS BALLISTIC TRANSPORT IN GRAPHENE. International Journal of Modern Physics B, 2008, 22, 4579-4588.	1.0	25
39	Ageing memory and glassiness of a driven vortex system. Nature Physics, 2007, 3, 111-114.	6.5	48
40	Observation of Landau levels of Dirac fermions in graphite. Nature Physics, 2007, 3, 623-627.	6.5	308
41	Onset of Motion and Dynamic Reordering of a Vortex Lattice. Physical Review Letters, 2006, 96, 017009.	2.9	31
42	Dynamic phase boundary of a moving Bragg glass. Physica C: Superconductivity and Its Applications, 2004, 408-410, 510-511.	0.6	1
43	Tunneling time and energy uncertainty of surface-state electrons. Physical Review B, 1992, 46, 2448-2451.	1.1	12
44	Observation of the Polaronic Transition in a Two-Dimensional Electron System. Physical Review Letters, 1984, 52, 1449-1452.	2.9	73