David Abergel

List of Publications by Year
in descending order

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29 papers	2,370 citations	516710 16 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	2573 citing authors

#	Article	IF	Citations
1	Properties of graphene: a theoretical perspective. Advances in Physics, 2010, 59, 261-482.	14.4	970
2	Optical and magneto-optical far-infrared properties of bilayer graphene. Physical Review B, 2007, 75, .	3.2	327
3	Visibility of graphene flakes on a dielectric substrate. Applied Physics Letters, 2007, 91, .	3.3	260
4	Electrons in bilayer graphene. Solid State Communications, 2007, 143, 110-115.	1.9	194
5	The low energy electronic band structure of bilayer graphene. European Physical Journal: Special Topics, 2007, 148, 91-103.	2.6	115
6	Generation of valley polarized current in bilayer graphene. Applied Physics Letters, 2009, 95, .	3.3	109
7	Interplay between valley polarization and electron-electron interaction in a graphene ring. Physical Review B, 2008, 78, .	3.2	64
8	Long-Range Coulomb Interaction in Bilayer Graphene. Physical Review Letters, 2009, 102, 056807.	7.8	50
9	Irradiated bilayer graphene. Nanotechnology, 2011, 22, 015203.	2.6	37
10	Interlayer excitonic superfluidity in graphene. Physical Review B, 2013, 88, .	3.2	33
11	Infrared absorption by grapheneâ€“hBN heterostructures. New Journal of Physics, 2013, 15, 123009.	2.9	32
12	On spectral properties of bilayer graphene: the effect of an SiC substrate and infrared magneto-spectroscopy. Journal of Physics Condensed Matter, 2009, 21, 344206.	1.8	24
13	Electronic compressibility of graphene: The case of vanishing electron correlations and the role of chirality. Physical Review B, 2009, 80, .	3.2	22
14	Compressibility of graphene. Physical Review B, 2011, 83, .	3.2	18
15	Optical and transport gaps in gated bilayer graphene. Physical Review B, 2011, 84, .	3.2	18
16	Density fluctuation effects on the exciton condensate in double-layer graphene. Physical Review B, 2012, 86, .	3.2	17
17	Effects of a tilted magnetic field in a Dirac double layer. Physical Review B, 2015, 91, .	3.2	12
18	Detection of the Electron Spin Resonance of Two-Dimensional Electrons at Large Wave Vectors. Physical Review Letters, 2006, 96, 126807.	7.8	11

#	Article	IF	Citations
19	The role of spinâ€“orbit coupling in topologically protected interface states in Dirac materials. New Journal of Physics, 2014, 16, 065012.	2.9	10
20	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mfrac><mml:mrow><mml:mi>d</mml:mi><mml:mi>Î¼</mml:mi></mml:mrow><mml:mrow><mml:mi>d</mml:mi><mml:n suspended bilayer graphene: The interplay of disorder and band gap. Physical Review B, 2011, 84, .	3.2	8
21	Comparison of microscopic models for disorder in bilayer graphene: Implications for density of states and optical conductivity. Physical Review B, 2012, 85, .	3.2	7
22	Compressibility of graphene. Solid State Communications, 2012, 152, 1383-1389.	1.9	6
23	Weakly damped acoustic plasmon mode in transition metal dichalcogenides with Zeeman splitting. Physical Review B, 2014, 89, .	3.2	6
24	Inhomogeneity and nonlinear screening in gapped bilayer graphene. Physical Review B, 2012, 86, .	3.2	5
25	Two-dimensional compressibility of surface states on three-dimensional topological insulators. Physical Review B, 2013, 87, .	3.2	5
26	QHE and far infra-red properties of bilayer graphene in a strong magnetic field. European Physical Journal: Special Topics, 2007, 148, 105-115.	2.6	4
27	Electron correlations in bilayer graphene. Physical Review B, 2010, 82, .	3.2	3
28	Spin-orbit-assisted electron-phonon interaction and the magnetophonon resonance in semiconductor quantum wells. Physical Review B, 2008, 77, .	3.2	2
29	Optical manifestations of symmetry breaking in bilayer graphene. Physical Review B, 2012, 86, .	3.2	1