

Phillip N First

List of Publications by Year in descending order

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24
papers

11,811
citations

393982

19
h-index

642321

23
g-index

24
all docs

24
docs citations

24
times ranked

12520
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic Confinement and Coherence in Patterned Epitaxial Graphene. <i>Science</i> , 2006, 312, 1191-1196.	6.0	5,140
2	Ultrathin Epitaxial Graphite: 2D Electron Gas Properties and a Route toward Graphene-based Nanoelectronics. <i>Journal of Physical Chemistry B</i> , 2004, 108, 19912-19916.	1.2	3,179
3	Epitaxial graphene. <i>Solid State Communications</i> , 2007, 143, 92-100.	0.9	857
4	Observing the Quantization of Zero Mass Carriers in Graphene. <i>Science</i> , 2009, 324, 924-927.	6.0	431
5	Ultrafast Relaxation of Excited Dirac Fermions in Epitaxial Graphene Using Optical Differential Transmission Spectroscopy. <i>Physical Review Letters</i> , 2008, 101, 157402.	2.9	427
6	28 kDa Alkanethiolate-Protected Au Clusters Give Analogous Solution Electrochemistry and STM Coulomb Staircases. <i>Journal of the American Chemical Society</i> , 1997, 119, 9279-9280.	6.6	300
7	Epitaxial Graphenes on Silicon Carbide. <i>MRS Bulletin</i> , 2010, 35, 296-305.	1.7	180
8	High-resolution tunnelling spectroscopy of a graphene quartet. <i>Nature</i> , 2010, 467, 185-189.	13.7	171
9	Grain boundary loops in graphene. <i>Physical Review B</i> , 2011, 83, .	1.1	167
10	Structural analysis of multilayer graphene via atomic moiré interferometry. <i>Physical Review B</i> , 2010, 81, .	1.1	146
11	Exposure of Epitaxial Graphene on SiC(0001) to Atomic Hydrogen. <i>Nano Letters</i> , 2009, 9, 1462-1466.	4.5	144
12	Coherent Control of Ballistic Photocurrents in Multilayer Epitaxial Graphene Using Quantum Interference. <i>Nano Letters</i> , 2010, 10, 1293-1296.	4.5	122
13	Epitaxial graphene electronic structure and transport. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 374007.	1.3	119
14	Spectroscopic Measurement of Interlayer Screening in Multilayer Epitaxial Graphene. <i>Physical Review Letters</i> , 2010, 104, 136802.	2.9	100
15	Scanning Probe Microscopy. <i>Analytical Chemistry</i> , 1996, 68, 185-230.	3.2	85
16	Real-space mapping of magnetically quantized graphene states. <i>Nature Physics</i> , 2010, 6, 811-817.	6.5	79
17	Edge structure of epitaxial graphene islands. <i>Physical Review B</i> , 2010, 81, .	1.1	42
18	Current relaxation due to hot carrier scattering in graphene. <i>New Journal of Physics</i> , 2012, 14, 105012.	1.2	39

#	ARTICLE	IF	CITATIONS
19	Dirac Particles in Epitaxial Graphene Films Grown on SiC. <i>Advances in Solid State Physics</i> , 2008, , 145-157.	0.8	25
20	Signatures of epitaxial graphene grown on Si-terminated 6H-SiC (0001). <i>Surface Science</i> , 2010, 604, 84-88.	0.8	19
21	Evidence for interlayer electronic coupling in multilayer epitaxial graphene from polarization-dependent coherently controlled photocurrent generation. <i>Physical Review B</i> , 2012, 85, .	1.1	19
22	Hot carrier cooling by acoustic phonons in epitaxial graphene by ultrafast pump-probe spectroscopy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 1194-1197.	0.8	15
23	Ultrafast dynamics and interlayer thermal coupling of hot carriers in epitaxial graphene. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 470-473.	0.8	5
24	Ultrafast Relaxation of Excited Dirac Fermions in Epitaxial Graphene. <i>Springer Series in Chemical Physics</i> , 2009, , 265-267.	0.2	0