

Phillip N First

List of Publications by Year in descending order

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Version: 2024-02-01

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 | 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 |
| 2 | Current relaxation due to hot carrier scattering in graphene. <i>New Journal of Physics</i> , 2012, 14, 105012. | 1.2 | 39 |
| 3 | Grain boundary loops in graphene. <i>Physical Review B</i> , 2011, 83, . | 1.1 | 167 |
| 4 | 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 |
| 5 | Spectroscopic Measurement of Interlayer Screening in Multilayer Epitaxial Graphene. <i>Physical Review Letters</i> , 2010, 104, 136802. | 2.9 | 100 |
| 6 | Signatures of epitaxial graphene grown on Si-terminated 6H-SiC (0001). <i>Surface Science</i> , 2010, 604, 84-88. | 0.8 | 19 |
| 7 | High-resolution tunnelling spectroscopy of a graphene quartet. <i>Nature</i> , 2010, 467, 185-189. | 13.7 | 171 |
| 8 | Real-space mapping of magnetically quantized graphene states. <i>Nature Physics</i> , 2010, 6, 811-817. | 6.5 | 79 |
| 9 | Edge structure of epitaxial graphene islands. <i>Physical Review B</i> , 2010, 81, . | 1.1 | 42 |
| 10 | Coherent Control of Ballistic Photocurrents in Multilayer Epitaxial Graphene Using Quantum Interference. <i>Nano Letters</i> , 2010, 10, 1293-1296. | 4.5 | 122 |
| 11 | Epitaxial graphene electronic structure and transport. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 374007. | 1.3 | 119 |
| 12 | Structural analysis of multilayer graphene via atomic moiré interferometry. <i>Physical Review B</i> , 2010, 81, . | 1.1 | 146 |
| 13 | Epitaxial Graphenes on Silicon Carbide. <i>MRS Bulletin</i> , 2010, 35, 296-305. | 1.7 | 180 |
| 14 | 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 |
| 15 | Exposure of Epitaxial Graphene on SiC(0001) to Atomic Hydrogen. <i>Nano Letters</i> , 2009, 9, 1462-1466. | 4.5 | 144 |
| 16 | Observing the Quantization of Zero Mass Carriers in Graphene. <i>Science</i> , 2009, 324, 924-927. | 6.0 | 431 |
| 17 | Ultrafast Relaxation of Excited Dirac Fermions in Epitaxial Graphene. <i>Springer Series in Chemical Physics</i> , 2009, , 265-267. | 0.2 | 0 |
| 18 | Dirac Particles in Epitaxial Graphene Films Grown on SiC. <i>Advances in Solid State Physics</i> , 2008, , 145-157. | 0.8 | 25 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | Epitaxial graphene. <i>Solid State Communications</i> , 2007, 143, 92-100. | 0.9 | 857 |
| 21 | Electronic Confinement and Coherence in Patterned Epitaxial Graphene. <i>Science</i> , 2006, 312, 1191-1196. | 6.0 | 5,140 |
| 22 | Ultrathin Epitaxial Graphite: A 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 |
| 23 | 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 |
| 24 | Scanning Probe Microscopy. <i>Analytical Chemistry</i> , 1996, 68, 185-230. | 3.2 | 85 |