

Claire Berger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1600757/publications.pdf>

Version: 2024-02-01

28
papers

10,622
citations

430442

18
h-index

525886

27
g-index

30
all docs

30
docs citations

30
times ranked

12353
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	Exceptional ballistic transport in epitaxial graphene nanoribbons. <i>Nature</i> , 2014, 506, 349-354.	13.7	508
4	Large area and structured epitaxial graphene produced by confinement controlled sublimation of silicon carbide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16900-16905.	3.3	395
5	Highly efficient spin transport in epitaxial graphene on SiC. <i>Nature Physics</i> , 2012, 8, 557-561.	6.5	392
6	Room Temperature Ballistic Conduction in Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2002, 106, 12104-12118.	1.2	231
7	Ultrahard carbon film from epitaxial two-layer graphene. <i>Nature Nanotechnology</i> , 2018, 13, 133-138.	15.6	172
8	Half integer quantum Hall effect in high mobility single layer epitaxial graphene. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	140
9	Elastic coupling between layers in two-dimensional materials. <i>Nature Materials</i> , 2015, 14, 714-720.	13.3	78
10	Microscopic origins of the terahertz carrier relaxation and cooling dynamics in graphene. <i>Nature Communications</i> , 2016, 7, 11617.	5.8	73
11	Band Gap Opening Induced by the Structural Periodicity in Epitaxial Graphene Buffer Layer. <i>Nano Letters</i> , 2017, 17, 2681-2689.	4.5	36
12	Ballistic Conduction in Multiwalled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2003, 3, 171-177.	0.9	35
13	Thermoelectric effect in high mobility single layer epitaxial graphene. <i>Applied Physics Letters</i> , 2011, 99, 133102.	1.5	30
14	Electronic cooling via interlayer Coulomb coupling in multilayer epitaxial graphene. <i>Nature Communications</i> , 2015, 6, 8105.	5.8	28
15	Enhanced photosensitivity of electro-oxidized epitaxial graphene. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	21
16	Local work function measurements of plasma-fluorinated epitaxial graphene. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	21
17	Pionics: the Emerging Science and Technology of Graphene-based Nanoelectronics. , 2007, , .		20
18	Probing terahertz surface plasmon waves in graphene structures. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	20

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Structured epitaxial graphene growth on SiC by selective graphitization using a patterned AlN cap. <i>Applied Physics Letters</i> , 2010, 96, 082112.	1.5	14
22	Highly Ordered Boron Nitride/Epigraphene Epitaxial Films on Silicon Carbide by Lateral Epitaxial Deposition. <i>ACS Nano</i> , 2020, 14, 12962-12971.	7.3	14
23	X-ray radiation effects in multilayer epitaxial graphene. <i>Applied Physics Letters</i> , 2011, 99, 232102.	1.5	13
24	Flat and safe under the graphene sheet. <i>Nature Materials</i> , 2020, 19, 583-584.	13.3	12
25	Valley and Zeeman Splittings in Multilayer Epitaxial Graphene Revealed by Circular Polarization Resolved Magneto-infrared Spectroscopy. <i>Nano Letters</i> , 2019, 19, 7043-7049.	4.5	6
26	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
27	SU(4) symmetry breaking revealed by magneto-optical spectroscopy in epitaxial graphene. <i>Physical Review B</i> , 2015, 91, .	1.1	2
28	Structured epitaxial graphene on SiC. , 2012, , .		1