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List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20 papers	3,732 citations	18 h-index	20 g-index
20 ext. papers	4,052 ext. citations	12.2 avg, IF	4.85 L-index

#	Paper	IF	Citations
20	Grain boundary mapping in polycrystalline graphene. <i>ACS Nano</i> , 2011 , 5, 2142-6	16.7	522
19	Graphene as a long-term metal oxidation barrier: worse than nothing. <i>ACS Nano</i> , 2013 , 7, 5763-8	16.7	497
18	Local electronic properties of graphene on a BN substrate via scanning tunneling microscopy. <i>Nano Letters</i> , 2011 , 11, 2291-5	11.5	475
17	Raman spectroscopy study of rotated double-layer graphene: misorientation-angle dependence of electronic structure. <i>Physical Review Letters</i> , 2012 , 108, 246103	7.4	427
16	A direct transfer of layer-area graphene. <i>Applied Physics Letters</i> , 2010 , 96, 113102	3.4	300
15	Fermi velocity engineering in graphene by substrate modification. <i>Scientific Reports</i> , 2012 , 2,	4.9	269
14	Multiply folded graphene. <i>Physical Review B</i> , 2011 , 83,	3.3	247
13	Observing atomic collapse resonances in artificial nuclei on graphene. <i>Science</i> , 2013 , 340, 734-7	33.3	175
12	Ripping graphene: preferred directions. <i>Nano Letters</i> , 2012 , 12, 293-7	11.5	172
11	Mapping Dirac quasiparticles near a single Coulomb impurity on graphene. <i>Nature Physics</i> , 2012 , 8, 653-657	66.2	99
10	Subnanometer vacancy defects introduced on graphene by oxygen gas. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2232-5	16.4	98
9	Transfer-free batch fabrication of large-area suspended graphene membranes. <i>ACS Nano</i> , 2010 , 4, 4762-8	16.7	90
8	High-temperature stability of suspended single-layer graphene. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010 , 4, 302-304	2.5	80
7	Hybrid solar converters for maximum exergy and inexpensive dispatchable electricity. <i>Energy and Environmental Science</i> , 2015 , 8, 3083-3091	35.4	64
6	Graphene veils and sandwiches. <i>Nano Letters</i> , 2011 , 11, 3290-4	11.5	49
5	Charge-carrier screening in single-layer graphene. <i>Physical Review Letters</i> , 2013 , 110, 146802	7.4	47
4	From insects to machines. <i>IEEE Robotics and Automation Magazine</i> , 2008 , 15, 68-74	3.4	45

3	Screening-engineered field-effect solar cells. <i>Nano Letters</i> , 2012 , 12, 4300-4	11.5	44
2	Metal insulator semiconductor solar cell devices based on a Cu ₂ O substrate utilizing h-BN as an insulating and passivating layer. <i>Applied Physics Letters</i> , 2015 , 106, 103904	3.4	16
1	Conformational transitions at an S-layer growing boundary resolved by cryo-TEM. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4829-32	16.4	16