William Regan

List of Publications by Year in Descending Order

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	Hybrid solar converters for maximum exergy and inexpensive dispatchable electricity. *Energy and Environmental Science*, **2015**, 8, 3083-3091	35.4	64
19	Metal insulator semiconductor solar cell devices based on a Cu2O substrate utilizing h-BN as an insulating and passivating layer. *Applied Physics Letters*, **2015**, 106, 103904	3.4	16
18	Subnanometer vacancy defects introduced on graphene by oxygen gas. *Journal of the American Chemical Society*, **2014**, 136, 2232-5	16.4	98
17	Observing atomic collapse resonances in artificial nuclei on graphene. *Science*, **2013**, 340, 734-7	33.3	175
16	Conformational transitions at an S-layer growing boundary resolved by cryo-TEM. *Angewandte Chemie - International Edition*, **2013**, 52, 4829-32	16.4	16
15	Charge-carrier screening in single-layer graphene. *Physical Review Letters*, **2013**, 110, 146802	7.4	47
14	Graphene as a long-term metal oxidation barrier: worse than nothing. *ACS Nano*, **2013**, 7, 5763-8	16.7	497
13	Ripping graphene: preferred directions. *Nano Letters*, **2012**, 12, 293-7	11.5	172
12	Mapping Dirac quasiparticles near a single Coulomb impurity on graphene. *Nature Physics*, **2012**, 8, 653-657	20.2	99
11	Fermi velocity engineering in graphene by substrate modification. *Scientific Reports*, **2012**, 2,	4.9	269
10	Screening-engineered field-effect solar cells. *Nano Letters*, **2012**, 12, 4300-4	11.5	44
9	Raman spectroscopy study of rotated double-layer graphene: misorientation-angle dependence of electronic structure. *Physical Review Letters*, **2012**, 108, 246103	7.4	427
8	Local electronic properties of graphene on a BN substrate via scanning tunneling microscopy. *Nano Letters*, **2011**, 11, 2291-5	11.5	475
7	Graphene veils and sandwiches. *Nano Letters*, **2011**, 11, 3290-4	11.5	49
6	Grain boundary mapping in polycrystalline graphene. *ACS Nano*, **2011**, 5, 2142-6	16.7	522
5	Multiply folded graphene. *Physical Review B*, **2011**, 83,	3.3	247
4	A direct transfer of layer-area graphene. *Applied Physics Letters*, **2010**, 96, 113102	3.4	300

3	Transfer-free batch fabrication of large-area suspended graphene membranes. *ACS Nano*, **2010**, 4, 4762-8	16.7	90
2	High-temperature stability of suspended single-layer graphene. *Physica Status Solidi - Rapid Research Letters*, **2010**, 4, 302-304	2.5	80
1	From insects to machines. *IEEE Robotics and Automation Magazine*, **2008**, 15, 68-74	3.4	45