

# Owen C Compton

## List of Publications by Year in Descending Order

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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.

22

papers

5,835

citations

20

h-index

23

g-index

23

ext. papers

6,212

ext. citations

11.9

avg, IF

6.02

L-index

#	Paper	IF	Citations
22	Improved Graphitic Structure of Continuous Carbon Nanofibers via Graphene Oxide Templating. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5763-5770	15.6	65
21	Graphene: Improved Graphitic Structure of Continuous Carbon Nanofibers via Graphene Oxide Templating (Adv. Funct. Mater. 46/2013). <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5762-5762	15.6	2
20	Tuning the mechanical properties of graphene oxide paper and its associated polymer nanocomposites by controlling cooperative intersheet hydrogen bonding. <i>ACS Nano</i> , <b>2012</b> , 6, 2008-19	16.7	361
19	Conductivity through Polymer Electrolytes and Its Implications in Lithium-Ion Batteries: Real-World Application of Periodic Trends. <i>Journal of Chemical Education</i> , <b>2012</b> , 89, 1442-1446	2.4	12
18	Exfoliation and reassembly of cobalt oxide nanosheets into a reversible lithium-ion battery cathode. <i>Small</i> , <b>2012</b> , 8, 1110-6	11	31
17	Tunable biomolecular interaction and fluorescence quenching ability of graphene oxide: application to "turn-on" DNA sensing in biological media. <i>Small</i> , <b>2012</b> , 8, 2469-76	11	54
16	Successful stabilization of graphene oxide in electrolyte solutions: enhancement of biofunctionalization and cellular uptake. <i>ACS Nano</i> , <b>2012</b> , 6, 63-73	16.7	203
15	Additive-free hydrogelation of graphene oxide by ultrasonication. <i>Carbon</i> , <b>2012</b> , 50, 3399-3406	10.4	115
14	Chemically active reduced graphene oxide with tunable C/O ratios. <i>ACS Nano</i> , <b>2011</b> , 5, 4380-91	16.7	295
13	Evolution of order during vacuum-assisted self-assembly of graphene oxide paper and associated polymer nanocomposites. <i>ACS Nano</i> , <b>2011</b> , 5, 6601-9	16.7	140
12	Bio-inspired borate cross-linking in ultra-stiff graphene oxide thin films. <i>Advanced Materials</i> , <b>2011</b> , 23, 3842-6	24	245
11	Systematic Post-assembly Modification of Graphene Oxide Paper with Primary Alkylamines. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4153-4157	9.6	156
10	Non-Annealed Graphene Paper as a Binder-Free Anode for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 12800-12804	3.8	223
9	High-Nanofiller-Content Graphene Oxide Polymer Nanocomposites via Vacuum-Assisted Self-Assembly. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3322-3329	15.6	434
8	Electrically conductive "alkylated" graphene paper via chemical reduction of amine-functionalized graphene oxide paper. <i>Advanced Materials</i> , <b>2010</b> , 22, 892-6	24	524
7	Crumpled graphene nanosheets as highly effective barrier property enhancers. <i>Advanced Materials</i> , <b>2010</b> , 22, 4759-63	24	374
6	Graphene oxide, highly reduced graphene oxide, and graphene: versatile building blocks for carbon-based materials. <i>Small</i> , <b>2010</b> , 6, 711-23	11	2103

5	Niobate Nanosheets as Catalysts for Photochemical Water Splitting into Hydrogen and Hydrogen Peroxide. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 479-485	3.8	118
4	A Building Block Approach to Photochemical Water-Splitting Catalysts Based on Layered Niobate Nanosheets. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 6202-6208	3.8	78
3	Ultrafast Carrier Dynamics in Exfoliated and Functionalized Calcium Niobate Nanosheets in Water and Methanol. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 2394-2403	3.8	70
2	Calcium Niobate Semiconductor Nanosheets as Catalysts for Photochemical Hydrogen Evolution from Water. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 14589-14592	3.8	129
1	Evolution of size and shape in the colloidal crystallization of gold nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 7793-8	16.4	103