Chee-Tat Toh

List of Publications by Year
in descending order

14 papers	1,413 citations	759233 12 h-index	1125743 13 g-index
14 all docs	14 docs citations	14 times ranked	2785 citing authors

#	Article	IF	Citations
1	Squashing carbon nanotubes into nanoribbons. Nature Electronics, 2021, 4, 633-634.	26.0	7
2	Synthesis and properties of free-standing monolayer amorphous carbon. Nature, 2020, 577, 199-203.	27.8	250
3	IR Sensing: Exploiting the IR Transparency of Graphene for Fast Pyroelectric Infrared Detection (Advanced Optical Materials 1/2015). Advanced Optical Materials, 2015, 3, 33-33.	7.3	0
4	Colossal Ultraviolet Photoresponsivity of Few-Layer Black Phosphorus. ACS Nano, 2015, 9, 8070-8077.	14.6	204
5	Exploiting the IR Transparency of Graphene for Fast Pyroelectric Infrared Detection. Advanced Optical Materials, 2015, 3, 34-38.	7.3	37
6	Tuning Optical Conductivity of Largeâ€Scale CVD Graphene by Strain Engineering. Advanced Materials, 2014, 26, 1081-1086.	21.0	86
7	Nanometer Thick Elastic Graphene Engine. Nano Letters, 2014, 14, 2677-2680.	9.1	34
8	Ultrathin Organic Solar Cells with Graphene Doped by Ferroelectric Polarization. ACS Applied Materials & Interfaces, 2014, 6, 3299-3304.	8.0	91
9	Unconventional Transport through Graphene on SrTiO3: A Plausible Effect of SrTiO3 Phase-Transitions. Scientific Reports, 2014, 4, 6173.	3.3	27
10	Flexible grapheneâ€“PZT ferroelectric nonvolatile memory. Nanotechnology, 2013, 24, 475202.	2.6	62
11	Wafer-scale graphene/ferroelectric hybrid devices for low-voltage electronics. Europhysics Letters, 2011, 93, 17002.	2.0	74
12	Controlled Hydrogenation of Graphene Sheets and Nanoribbons. ACS Nano, 2011, 5, 888-896.	14.6	105
13	Graphene Field-Effect Transistors with Ferroelectric Gating. Physical Review Letters, 2010, 105, 166602.	7.8	202
14	Gate-controlled nonvolatile graphene-ferroelectric memory. Applied Physics Letters, 2009, 94, .	3.3	234