

Chee-Tat Toh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3017263/publications.pdf>

Version: 2024-02-01

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