

Ting-Fung Chung

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,940
citations

331670

21
h-index

552781

26
g-index

31
all docs

31
docs citations

31
times ranked

5978
citing authors

#	ARTICLE	IF	CITATIONS
1	Control and characterization of individual grains and grain boundaries in graphene grown by chemical vapour deposition. <i>Nature Materials</i> , 2011, 10, 443-449.	27.5	1,356
2	Electrically Tunable Damping of Plasmonic Resonances with Graphene. <i>Nano Letters</i> , 2012, 12, 5202-5206.	9.1	301
3	Electrical Modulation of Fano Resonance in Plasmonic Nanostructures Using Graphene. <i>Nano Letters</i> , 2014, 14, 78-82.	9.1	200
4	Photocarrier generation from interlayer charge-transfer transitions in WS ₂ -graphene heterostructures. <i>Science Advances</i> , 2018, 4, e1700324.	10.3	160
5	Observation of Low Energy Raman Modes in Twisted Bilayer Graphene. <i>Nano Letters</i> , 2013, 13, 3594-3601.	9.1	137
6	Enhanced Graphene Photodetector with Fractal Metasurface. <i>Nano Letters</i> , 2017, 17, 57-62.	9.1	106
7	Enhancing the graphene photocurrent using surface plasmons and a p-n junction. <i>Light: Science and Applications</i> , 2020, 9, 126.	16.6	56
8	Position-dependent and millimetre-range photodetection in phototransistors with micrometre-scale graphene on SiC. <i>Nature Nanotechnology</i> , 2017, 12, 668-674.	31.5	55
9	Use of graphene as protection film in biological environments. <i>Scientific Reports</i> , 2014, 4, 4097.	3.3	50
10	Real-Space Imaging of the Tailored Plasmons in Twisted Bilayer Graphene. <i>Physical Review Letters</i> , 2017, 119, 247402.	7.8	48
11	Nanoscale Strainability of Graphene by Laser Shock-Induced Three-Dimensional Shaping. <i>Nano Letters</i> , 2012, 12, 4577-4583.	9.1	47
12	Transport measurements in twisted bilayer graphene: Electron-phonon coupling and Landau level crossing. <i>Physical Review B</i> , 2018, 98, .	3.2	47
13	Selective growth of catalyst-free ZnO nanowire arrays on Al:ZnO for device application. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	45
14	Substrate Doping Effect and Unusually Large Angle van Hove Singularity Evolution in Twisted Bi ₂ C ₂ O ₆ and Multilayer Graphene. <i>Advanced Materials</i> , 2017, 29, 1606741.	21.0	43
15	Plasmon resonance in multilayer graphene nanoribbons. <i>Laser and Photonics Reviews</i> , 2015, 9, 650-655.	8.7	39
16	Folding and cracking of graphene oxide sheets upon deposition. <i>Surface Science</i> , 2011, 605, 1669-1675.	1.9	33
17	SYNTHETIC GRAPHENE GROWN BY CHEMICAL VAPOR DEPOSITION ON COPPER FOILS. <i>International Journal of Modern Physics B</i> , 2013, 27, 1341002.	2.0	30
18	Highly sensitive transient absorption imaging of graphene and graphene oxide in living cells and circulating blood. <i>Scientific Reports</i> , 2015, 5, 12394.	3.3	30

#	ARTICLE	IF	CITATIONS
19	Strain-stress study of Al _x Ga _{1-x} N/AlN heterostructures on c-plane sapphire and related optical properties. <i>Scientific Reports</i> , 2019, 9, 10172.	3.3	24
20	Luminescent Properties of ZnO Nanorod Arrays Grown on Al:ZnO Buffer Layer. <i>Journal of Physical Chemistry C</i> , 2008, 112, 820-824.	3.1	22
21	Optical Phonons in Twisted Bilayer Graphene with Gate-Induced Asymmetric Doping. <i>Nano Letters</i> , 2015, 15, 1203-1210.	9.1	22
22	Experimental observation of two massless Dirac-fermion gases in graphene-topological insulator heterostructure. <i>2D Materials</i> , 2016, 3, 021009.	4.4	21
23	Hysteretic response of chemical vapor deposition graphene field effect transistors on SiC substrates. <i>Applied Physics Letters</i> , 2013, 103, 053123.	3.3	18
24	Differences in self-assembly of spherical C60 and planar PTCDA on rippled graphene surfaces. <i>Carbon</i> , 2019, 145, 549-555.	10.3	16
25	Direct electrical modulation of second-order optical susceptibility via phase transitions. <i>Nature Electronics</i> , 2021, 4, 725-730.	26.0	16
26	Diversity of ultrafast hot-carrier-induced dynamics and striking sub-femtosecond hot-carrier scattering times in graphene. <i>Carbon</i> , 2014, 72, 402-409.	10.3	14
27	Electrically Tunable Plasmonic Resonances with Graphene. , 2012, , .		4
28	Tuning Fano Resonances with Graphene. , 2013, , .		0
29	Plasmon Resonance in Single- and Double-layer CVD Graphene Nanoribbons. , 2015, , .		0
30	Field effect photoconductivity in graphene on undoped semiconductor substrates. , 2018, , .		0
31	Plasmon-enhanced graphene photothermoelectric detector. , 2020, , .		0