

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	Direct electrical modulation of second-order optical susceptibility via phase transitions. Nature Electronics, 2021, 4, 725-730.	26.0	16
2	Enhancing the graphene photocurrent using surface plasmons and a p-n junction. Light: Science and Applications, 2020, 9, 126.	16.6	56
3	Plasmon-enhanced graphene photothermoelectric detector. , 2020, , .		0
4	Strain-stress study of Al _x Ga _{1-x} N/AlN heterostructures on c-plane sapphire and related optical properties. Scientific Reports, 2019, 9, 10172.	3.3	24
5	Differences in self-assembly of spherical C60 and planar PTCDA on rippled graphene surfaces. Carbon, 2019, 145, 549-555.	10.3	16
6	Photocarrier generation from interlayer charge-transfer transitions in WS ₂ -graphene heterostructures. Science Advances, 2018, 4, e1700324.	10.3	160
7	Transport measurements in twisted bilayer graphene: Electron-phonon coupling and Landau level crossing. Physical Review B, 2018, 98, .	3.2	47
8	Field effect photoconductivity in graphene on undoped semiconductor substrates. , 2018, , .		0
9	Position-dependent and millimetre-range photodetection in phototransistors with micrometre-scale graphene on SiC. Nature Nanotechnology, 2017, 12, 668-674.	31.5	55
10	Substrate Doping Effect and Unusually Large Angle van Hove Singularity Evolution in Twisted Bi ₂ Se ₃ and Multilayer Graphene. Advanced Materials, 2017, 29, 1606741.	21.0	43
11	Enhanced Graphene Photodetector with Fractal Metasurface. Nano Letters, 2017, 17, 57-62.	9.1	106
12	Real-Space Imaging of the Tailored Plasmons in Twisted Bilayer Graphene. Physical Review Letters, 2017, 119, 247402.	7.8	48
13	Experimental observation of two massless Dirac-fermion gases in graphene-topological insulator heterostructure. 2D Materials, 2016, 3, 021009.	4.4	21
14	Plasmon resonance in multilayer graphene nanoribbons. Laser and Photonics Reviews, 2015, 9, 650-655.	8.7	39
15	Optical Phonons in Twisted Bilayer Graphene with Gate-Induced Asymmetric Doping. Nano Letters, 2015, 15, 1203-1210.	9.1	22
16	Highly sensitive transient absorption imaging of graphene and graphene oxide in living cells and circulating blood. Scientific Reports, 2015, 5, 12394.	3.3	30
17	Plasmon Resonance in Single- and Double-layer CVD Graphene Nanoribbons. , 2015, , .		0
18	Electrical Modulation of Fano Resonance in Plasmonic Nanostructures Using Graphene. Nano Letters, 2014, 14, 78-82.	9.1	200

#	ARTICLE	IF	CITATIONS
19	Diversity of ultrafast hot-carrier-induced dynamics and striking sub-femtosecond hot-carrier scattering times in graphene. Carbon, 2014, 72, 402-409.	10.3	14
20	Use of graphene as protection film in biological environments. Scientific Reports, 2014, 4, 4097.	3.3	50
21	Observation of Low Energy Raman Modes in Twisted Bilayer Graphene. Nano Letters, 2013, 13, 3594-3601.	9.1	137
22	SYNTHETIC GRAPHENE GROWN BY CHEMICAL VAPOR DEPOSITION ON COPPER FOILS. International Journal of Modern Physics B, 2013, 27, 1341002.	2.0	30
23	Hysteretic response of chemical vapor deposition graphene field effect transistors on SiC substrates. Applied Physics Letters, 2013, 103, 053123.	3.3	18
24	Tuning Fano Resonances with Graphene. , 2013, , .		0
25	Electrically Tunable Plasmonic Resonances with Graphene. , 2012, , .		4
26	Nanoscale Strainability of Graphene by Laser Shock-Induced Three-Dimensional Shaping. Nano Letters, 2012, 12, 4577-4583.	9.1	47
27	Electrically Tunable Damping of Plasmonic Resonances with Graphene. Nano Letters, 2012, 12, 5202-5206.	9.1	301
28	Control and characterization of individual grains and grain boundaries in graphene grown by chemical vapour deposition. Nature Materials, 2011, 10, 443-449.	27.5	1,356
29	Folding and cracking of graphene oxide sheets upon deposition. Surface Science, 2011, 605, 1669-1675.	1.9	33
30	Luminescent Properties of ZnO Nanorod Arrays Grown on Al:ZnO Buffer Layer. Journal of Physical Chemistry C, 2008, 112, 820-824.	3.1	22
31	Selective growth of catalyst-free ZnO nanowire arrays on Al:ZnO for device application. Applied Physics Letters, 2007, 91, .	3.3	45