Nicholas Clark

List of Publications by Year
in descending order

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29 papers	1,054 citations	516710 16 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	2066 citing authors

#	Article	IF	Citations
1	Atomic reconstruction in twisted bilayers of transition metal dichalcogenides. Nature Nanotechnology, 2020, 15, 592-597.	31.5	245
2	Interfacial ferroelectricity in marginally twisted 2D semiconductors. Nature Nanotechnology, 2022, 17, 390-395.	31.5	115
3	Nanometer Resolution Elemental Mapping in Graphene-Based TEM Liquid Cells. Nano Letters, 2018, 18, 1168-1174.	9.1	99
4	Evaluating arbitrary strain configurations and doping in graphene with Raman spectroscopy. 2D Materials, 2018, 5, 015016.	4.4	95
5	Self assembled monolayers (SAMs) on metallic surfaces (gold and graphene) for electronic applications. Journal of Materials Chemistry C, 2013, 1, 376-393.	5.5	87
6	Infrared-to-violet tunable optical activity in atomic films of GaSe, InSe, and their heterostructures. 2D Materials, 2018, 5, 041009.	4.4	52
7	Optical-Phonon Resonances with Saddle-Point Excitons in Twisted-Bilayer Graphene. Nano Letters, 2014, 14, 5687-5692.	9.1	45
8	Scalable Patterning of Encapsulated Black Phosphorus. Nano Letters, 2018, 18, 5373-5381.	9.1	43
9	Ion exchange in atomically thin clays and micas. Nature Materials, 2021, 20, 1677-1682.	27.5	40
10	Formation and Healing of Defects in Atomically Thin GaSe and InSe. ACS Nano, 2019, 13, 5112-5123.	14.6	35
11	Self-limiting multiplexed assembly of lipid membranes on large-area graphene sensor arrays. Nanoscale, 2016, 8, 15147-15151.	5.6	23
12	Enhanced Superconductivity in Few-Layer TaS₂ due to Healing by Oxygenation. Nano Letters, 2020, 20, 3808-3818.	9.1	23
13	In Situ TEM Imaging of Solutionâ€Phase Chemical Reactions Using 2Dâ€Heterostructure Mixing Cells. Advanced Materials, 2021, 33, e2100668.	21.0	18
14	Ultrafast quantitative nanomechanical mapping of suspended graphene. Physica Status Solidi (B): Basic Research, 2013, 250, 2672-2677.	1.5	17
15	Stokes and anti-Stokes Raman spectra of the high-energy C-C stretching modes in graphene and diamond. Physica Status Solidi (B): Basic Research, 2015, 252, 2380-2384.	1.5	17
16	Electrochemistry of well-defined graphene samples: role of contaminants. Faraday Discussions, 2014, 172, 261-272.	3.2	16
17	Atomic Resolution Imaging of CrBr3 Using Adhesion-Enhanced Grids. Nano Letters, 2020, 20, 6582-6589.	9.1	13
18	Graphene as a local probe to investigate near-field properties of plasmonic nanostructures. Physical Review B, 2018, 97, .	3.2	12

#	Article	IF	Citations
19	Nanometre electron beam sculpting of suspended graphene and hexagonal boron nitride heterostructures. 2D Materials, 2019, 6, 025032.	4.4	10
20	Raman Mapping Analysis of Graphene-Integrated Silicon Micro-Ring Resonators. Nanoscale Research Letters, 2017, 12, 600.	5.7	9
21	Determination of the quasi-TE mode (in-plane) graphene linear absorption coefficient via integration with silicon-on-insulator racetrack cavity resonators. Optics Express, 2014, 22, 18625.	3.4	8
22	Probing hotspots of plasmon-enhanced Raman scattering by nanomanipulation of carbon nanotubes. Nanotechnology, 2018, 29, 465710.	2.6	8
23	Plasmon-enhanced Raman scattering by suspended carbon nanotubes. Physica Status Solidi - Rapid Research Letters, 2014, 08, 785-789.	2.4	6
24	Nanometre imaging of Fe₃GeTe₂ ferromagnetic domain walls. Nanotechnology, 2021, 32, 205703.	2.6	6
25	Scalable bottom-up assembly of suspended carbon nanotube and graphene devices by dielectrophoresis. Physica Status Solidi - Rapid Research Letters, 2015, 9, 539-543.	2.4	5
26	Liquid-Phase STEM-EDS in Graphene and Silicon Nitride Cells. Microscopy and Microanalysis, 2019, 25, 1500-1501.	0.4	2
27	Twist and Bend in Van Der Waals Materials and 2D Stacked Heterostructures. Microscopy and Microanalysis, 2020, 26, 856-858.	0.4	0
28	Guest Editor's Foreword, Special Issue Introduction and Scientific Highlights. Journal of Microscopy, 2020, 279, 141-142.	1.8	0
29	Harnessing the Electron Beam to Study Reactions in Graphene Liquid Cells and Degradation in Sensitive 2D Materials. Microscopy and Microanalysis, 2020, 26, 538-541.	0.4	0