Genevieve Clark

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10692668/publications.pdf

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24 papers	10,761 citations	394390 19 h-index	677123 22 g-index

24 all docs	24 docs citations	24 times ranked	11865 citing authors

#	Article	IF	Citations
1	Layer-dependent ferromagnetism in a van der Waals crystal down to the monolayer limit. Nature, 2017, 546, 270-273.	27.8	3,824
2	Valleytronics in 2D materials. Nature Reviews Materials, 2016, 1, .	48.7	1,712
3	Observation of long-lived interlayer excitons in monolayer MoSe2â€“WSe2 heterostructures. Nature Communications, 2015, 6, 6242.	12.8	1,252
4	Electrical control of 2D magnetism in bilayer CrI3. Nature Nanotechnology, 2018, 13, 544-548.	31.5	975
5	Single quantum emitters in monolayer semiconductors. Nature Nanotechnology, 2015, 10, 497-502.	31.5	749
6	Intrinsic homogeneous linewidth and broadening mechanisms of excitons in monolayer transition metal dichalcogenides. Nature Communications, 2015, 6, 8315.	12.8	408
7	Giant nonreciprocal second-harmonic generation from antiferromagnetic bilayer CrI3. Nature, 2019, 572, 497-501.	27.8	309
8	Atomically Thin CrCl₃: An In-Plane Layered Antiferromagnetic Insulator. Nano Letters, 2019, 19, 3993-3998.	9.1	240
9	Magnetic behavior and spin-lattice coupling in cleavable van der Waals layered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CrCl</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> crystals. Physical Review Materials, 2017, 1, .	2.4	216
10	Probing the Influence of Dielectric Environment on Excitons in Monolayer WSe₂: Insight from High Magnetic Fields. Nano Letters, 2016, 16, 7054-7060.	9.1	198
11	Radiative control of dark excitons at room temperature by nano-optical antenna-tip Purcell effect. Nature Nanotechnology, 2018, 13, 59-64.	31.5	186
12	Hybrid Tip-Enhanced Nanospectroscopy and Nanoimaging of Monolayer WSe₂ with Local Strain Control. Nano Letters, 2016, 16, 2621-2627.	9.1	165
13	Nanocavity Integrated van der Waals Heterostructure Light-Emitting Tunneling Diode. Nano Letters, 2017, 17, 200-205.	9.1	129
14	Single Defect Light-Emitting Diode in a van der Waals Heterostructure. Nano Letters, 2016, 16, 3944-3948.	9.1	115
15	High-speed programmable photonic circuits in a cryogenically compatible, visibleâ€“near-infrared 200â€‰mm CMOS architecture. Nature Photonics, 2022, 16, 59-65.	31.4	91
16	Vapor-transport growth of high optical quality WSe2 monolayers. APL Materials, 2014, 2, .	5.1	52
17	Dynamic Optical Tuning of Interlayer Interactions in the Transition Metal Dichalcogenides. Nano Letters, 2017, 17, 7761-7766.	9.1	46
18	Cryogenic operation of silicon photonic modulators based on the DC Kerr effect. Optica, 2020, 7, 1385.	9.3	31

#	Article	IF	Citations
19	Anisotropic structural dynamics of monolayer crystals revealed by femtosecond surface X-ray scattering. Nature Photonics, 2019, 13, 425-430.	31.4	28
20	Piezo-optomechanical cantilever modulators for VLSI visible photonics. APL Photonics, 2022, 7, .	5.7	17
21	Ultraâ€Long Lifetimes of Single Quantum Emitters in Monolayer WSe₂/hBN Heterostructures. Advanced Quantum Technologies, 2019, 2, 1900022.	3.9	13
22	Observation of Single-Electron Transport and Charging on Individual Point Defects in Atomically Thin WSe₂. Journal of Physical Chemistry C, 2021, 125, 14056-14064.	3.1	5
23	Cryogenic Operation of DC Kerr Silicon Photonic Modulators. , 2021, , .		0
24	Developing ultrathin light emitters and metalenses based on Van der Waals materials. , 2019, , .		0