

Genevieve Clark

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22

papers

6,772

citations

17

h-index

24

g-index

24

ext. papers

8,846

ext. citations

20.4

avg, IF

5.69

L-index

#	Paper	IF	Citations
22	High-speed programmable photonic circuits in a cryogenically compatible, visible-to-infrared 200 mm CMOS architecture. <i>Nature Photonics</i> , 2022 , 16, 59-65	33.9	13
21	Piezo-optomechanical cantilever modulators for VLSI visible photonics. <i>APL Photonics</i> , 2022 , 7, 051304	5.2	1
20	Observation of Single-Electron Transport and Charging on Individual Point Defects in Atomically Thin WSe ₂ . <i>Journal of Physical Chemistry C</i> , 2021 , 125, 14056-14064	3.8	0
19	Cryogenic operation of silicon photonic modulators based on the DC Kerr effect. <i>Optica</i> , 2020 , 7, 1385	8.6	6
18	Atomically Thin CrCl ₃ : An In-Plane Layered Antiferromagnetic Insulator. <i>Nano Letters</i> , 2019 , 19, 3993-3998	1.5	120
17	Ultra-Long Lifetimes of Single Quantum Emitters in Monolayer WSe ₂ /hBN Heterostructures. <i>Advanced Quantum Technologies</i> , 2019 , 2, 1900022	4.3	8
16	Anisotropic structural dynamics of monolayer crystals revealed by femtosecond surface X-ray scattering. <i>Nature Photonics</i> , 2019 , 13, 425-430	33.9	19
15	Giant nonreciprocal second-harmonic generation from antiferromagnetic bilayer CrI ₃ . <i>Nature</i> , 2019 , 572, 497-501	50.4	172
14	Electrical control of 2D magnetism in bilayer CrI ₃ . <i>Nature Nanotechnology</i> , 2018 , 13, 544-548	28.7	626
13	Radiative control of dark excitons at room temperature by nano-optical antenna-tip Purcell effect. <i>Nature Nanotechnology</i> , 2018 , 13, 59-64	28.7	113
12	Layer-dependent ferromagnetism in a van der Waals crystal down to the monolayer limit. <i>Nature</i> , 2017 , 546, 270-273	50.4	2210
11	Nanocavity Integrated van der Waals Heterostructure Light-Emitting Tunneling Diode. <i>Nano Letters</i> , 2017 , 17, 200-205	11.5	94
10	Dynamic Optical Tuning of Interlayer Interactions in the Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2017 , 17, 7761-7766	11.5	29
9	Magnetic behavior and spin-lattice coupling in cleavable van der Waals layered CrCl ₃ crystals. <i>Physical Review Materials</i> , 2017 , 1,	3.2	141
8	Valleytronics in 2D materials. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	1045
7	Single Defect Light-Emitting Diode in a van der Waals Heterostructure. <i>Nano Letters</i> , 2016 , 16, 3944-8	11.5	95
6	Hybrid Tip-Enhanced Nanospectroscopy and Nanoimaging of Monolayer WSe ₂ with Local Strain Control. <i>Nano Letters</i> , 2016 , 16, 2621-7	11.5	123

LIST OF PUBLICATIONS

5	Probing the Influence of Dielectric Environment on Excitons in Monolayer WSe: Insight from High Magnetic Fields. <i>Nano Letters</i> , 2016 , 16, 7054-7060	11.5	148
4	Observation of long-lived interlayer excitons in monolayer MoSe ₂ -WSe ₂ heterostructures. <i>Nature Communications</i> , 2015 , 6, 6242	17.4	896
3	Single quantum emitters in monolayer semiconductors. <i>Nature Nanotechnology</i> , 2015 , 10, 497-502	28.7	556
2	Intrinsic homogeneous linewidth and broadening mechanisms of excitons in monolayer transition metal dichalcogenides. <i>Nature Communications</i> , 2015 , 6, 8315	17.4	309
1	Vapor-transport growth of high optical quality WSe ₂ monolayers a. <i>APL Materials</i> , 2014 , 2, 101101	5.7	48