

# Aaron Mitchell Jones

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

8,859  
citations

430874

18  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

10982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrically tunable excitonic light-emitting diodes based on monolayer WSe <sub>2</sub> p-n junctions. Nature Nanotechnology, 2014, 9, 268-272.	31.5	1,434
2	Observation of long-lived interlayer excitons in monolayer MoSe <sub>2</sub> /WSe <sub>2</sub> heterostructures. Nature Communications, 2015, 6, 6242.	12.8	1,252
3	Electrical control of neutral and charged excitons in a monolayer semiconductor. Nature Communications, 2013, 4, 1474.	12.8	1,246
4	Optical generation of excitonic valley coherence in monolayer WSe <sub>2</sub> . Nature Nanotechnology, 2013, 8, 634-638.	31.5	1,210
5	Highly anisotropic and robust excitons in monolayer black phosphorus. Nature Nanotechnology, 2015, 10, 517-521.	31.5	1,204
6	Magnetic control of valley pseudospin in monolayer WSe <sub>2</sub> . Nature Physics, 2015, 11, 148-152.	16.7	720
7	Electrical control of second-harmonic generation in a WSe <sub>2</sub> monolayer transistor. Nature Nanotechnology, 2015, 10, 407-411.	31.5	406
8	Ultrafast hot-carrier-dominated photocurrent in graphene. Nature Nanotechnology, 2012, 7, 114-118.	31.5	362
9	Spin-layer locking effects in optical orientation of exciton spin in bilayer WSe <sub>2</sub> . Nature Physics, 2014, 10, 130-134.	16.7	297
10	Excitonic luminescence upconversion in a two-dimensional semiconductor. Nature Physics, 2016, 12, 323-327.	16.7	187
11	Control of two-dimensional excitonic light emission via photonic crystal. 2D Materials, 2014, 1, 011001.	4.4	144
12	Quantum-Enhanced Tunable Second-Order Optical Nonlinearity in Bilayer Graphene. Nano Letters, 2012, 12, 2032-2036.	9.1	115
13	Unusual Exciton-Phonon Interactions at van der Waals Engineered Interfaces. Nano Letters, 2017, 17, 1194-1199.	9.1	81
14	Quantifying error and leakage in an encoded Si/SiGe triple-dot qubit. Nature Nanotechnology, 2019, 14, 747-750.	31.5	56
15	Phonon-assisted oscillatory exciton dynamics in monolayer MoSe <sub>2</sub> . Npj 2D Materials and Applications, 2017, 1, .	7.9	50
16	Virtual Trions in the Photoluminescence of Monolayer Transition-Metal Dichalcogenides. Physical Review Letters, 2019, 122, 217401.	7.8	26
17	Population Pulsation Resonances of Excitons in Monolayer MoSe <sub>2</sub> . Physical Review Letters, 2019, 122, 217401.	7.8	25
18	Sub-Bandgap Spectroscopy of Si/SiGe Triple-Dot Qubits. Physical Review Applied, 2019, 12, 044002.	3.8	23

#	ARTICLE	IF	CITATIONS
19	Fast and High-Fidelity State Preparation and Measurement in Triple-Quantum-Dot Spin Qubits. PRX Quantum, 2022, 3, .	9.2	17
20	Growth and temperature dependent photoluminescence of InGaAs quantum dot chains. Applied Surface Science, 2014, 296, 8-14.	6.1	4