Aaron Mitchell Jones

List of Publications by Year
in descending order

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	Fast and High-Fidelity State Preparation and Measurement in Triple-Quantum-Dot Spin Qubits. PRX Quantum, 2022, 3, .	9.2	17
2	Spin-Blockade Spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Si</mml:mi></mml:math> / <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Si</mml:mi></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Ge</mml:mi></mml:math> Quantum Dots. Physical Review Applied, 2019, 12, .	3.8	23
3	Quantifying error and leakage in an encoded Si/SiGe triple-dot qubit. Nature Nanotechnology, 2019, 14, 747-750.	31.5	56
4	Virtual Trions in the Photoluminescence of Monolayer Transition-Metal Dichalcogenides. Physical Review Letters, 2019, 122, 217401.	7.8	26
5	Unusual Excitonâ€“Phonon Interactions at van der Waals Engineered Interfaces. Nano Letters, 2017, 17, 1194-1199.	9.1	81
6	Phonon-assisted oscillatory exciton dynamics in monolayer MoSe2. Npj 2D Materials and Applications, 2017, 1, .	7.9	50
7	Excitonic luminescence upconversion in a two-dimensional semiconductor. Nature Physics, 2016, 12, 323-327.	16.7	187
8	Magnetic control of valley pseudospin in monolayer WSe2. Nature Physics, 2015, 11, 148-152.	16.7	720
9	Observation of long-lived interlayer excitons in monolayer MoSe2â€“WSe2 heterostructures. Nature Communications, 2015, 6, 6242.	12.8	1,252
10	Population Pulsation Resonances of Excitons in Monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Sub-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>Î¼</mml:mi></mml:mrow></mml:math> Physical Review Letters, 2015, 114, 137402.	7.8	25
11	Highly anisotropic and robust excitons in monolayer black phosphorus. Nature Nanotechnology, 2015, 10, 517-521.	31.5	1,204
12	Electrical control of second-harmonic generation in a WSe2 monolayer transistor. Nature Nanotechnology, 2015, 10, 407-411.	31.5	406
13	Growth and temperature dependent photoluminescence of InGaAs quantum dot chains. Applied Surface Science, 2014, 296, 8-14.	6.1	4
14	Spinâ€“layer locking effects in optical orientation of exciton spin in bilayer WSe2. Nature Physics, 2014, 10, 130-134.	16.7	297
15	Electrically tunable excitonic light-emitting diodes based on monolayer WSe2 pâ€“n junctions. Nature Nanotechnology, 2014, 9, 268-272.	31.5	1,434
16	Control of two-dimensional excitonic light emission via photonic crystal. 2D Materials, 2014, 1, 011001.	4.4	144
17	Optical generation of excitonic valley coherence in monolayer WSe2. Nature Nanotechnology, 2013, 8, 634-638.	31.5	1,210
18	Electrical control of neutral and charged excitons in a monolayer semiconductor. Nature Communications, 2013, 4, 1474.	12.8	1,246

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19	Ultrafast hot-carrier-dominated photocurrent in graphene. Nature Nanotechnology, 2012, 7, 114-118.	31.5	362
20	Quantum-Enhanced Tunable Second-Order Optical Nonlinearity in Bilayer Graphene. Nano Letters, 2012, 12, 2032-2036.	9.1	115