

# Mason J Gray

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3726194/publications.pdf>

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13  
papers

885  
citations

933447

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h-index

1125743

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all docs

14  
docs citations

14  
times ranked

1992  
citing authors

#	ARTICLE	IF	CITATIONS
1	Colossal mid-infrared bulk photovoltaic effect in a type-I Weyl semimetal. Nature Materials, 2019, 18, 471-475.	27.5	253
2	Magneto-elastic coupling in a potential ferromagnetic 2D atomic crystal. 2D Materials, 2016, 3, 025035.	4.4	195
3	High mobility in a van der Waals layered antiferromagnetic metal. Science Advances, 2020, 6, eaay6407.	10.3	85
4	Ionic Liquid Gating of Suspended MoS <sub>2</sub> Field Effect Transistor Devices. Nano Letters, 2015, 15, 5284-5288.	9.1	71
5	Dielectrophoresis assisted rapid, selective and single cell detection of antibiotic resistant bacteria with G-FETs. Biosensors and Bioelectronics, 2020, 156, 112123.	10.1	62
6	Coulomb blockade in an atomically thin quantum dot coupled to a tunable Fermi reservoir. Nature Nanotechnology, 2019, 14, 442-446.	31.5	54
7	Evidence for Helical Hinge Zero Modes in an Fe-Based Superconductor. Nano Letters, 2019, 19, 4890-4896.	9.1	51
8	Modulation Doping via a Two-Dimensional Atomic Crystalline Acceptor. Nano Letters, 2020, 20, 8446-8452.	9.1	44
9	Annealing and transport studies of suspended molybdenum disulfide devices. Nanotechnology, 2015, 26, 105709.	2.6	29
10	A cleanroom in a glovebox. Review of Scientific Instruments, 2020, 91, 073909.	1.3	13
11	Phase-Controllable Synthesis of Ultrathin Molybdenum Nitride Crystals Via Atomic Substitution of MoS <sub>2</sub> . Chemistry of Materials, 2022, 34, 351-357.	6.7	12
12	Detection of a multi-disease biomarker in saliva with graphene field effect transistors. Medical Devices & Sensors, 2020, 3, e10121.	2.7	11
13	ac Susceptometry of 2D van der Waals Magnets Enabled by the Coherent Control of Quantum Sensors. PRX Quantum, 2021, 2, .	9.2	5