

# Dorri Halbertal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3192517/publications.pdf>

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17  
papers

1,089  
citations

687363

13  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1672  
citing authors

#	ARTICLE	IF	CITATIONS
1	A scanning superconducting quantum interference device with single electron spin sensitivity. Nature Nanotechnology, 2013, 8, 639-644.	31.5	326
2	Excitons in strain-induced one-dimensional moiré potentials at transition metal dichalcogenide heterojunctions. Nature Materials, 2020, 19, 1068-1073.	27.5	169
3	Deep moiré potentials in twisted transition metal dichalcogenide bilayers. Nature Physics, 2021, 17, 720-725.	16.7	124
4	Enhanced tunable second harmonic generation from twistable interfaces and vertical superlattices in boron nitride homostructures. Science Advances, 2021, 7, .	10.3	73
5	Imaging resonant dissipation from individual atomic defects in graphene. Science, 2017, 358, 1303-1306.	12.6	66
6	Moiré metrology of energy landscapes in van der Waals heterostructures. Nature Communications, 2021, 12, 242.	12.8	60
7	Moiréless correlations in ABCA graphene. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	59
8	Three-Junction SQUID-on-Tip with Tunable In-Plane and Out-of-Plane Magnetic Field Sensitivity. Nano Letters, 2014, 14, 6481-6487.	9.1	40
9	Nano-photocurrent Mapping of Local Electronic Structure in Twisted Bilayer Graphene. Nano Letters, 2020, 20, 2958-2964.	9.1	34
10	Hyperbolic enhancement of photocurrent patterns in minimally twisted bilayer graphene. Nature Communications, 2021, 12, 1641.	12.8	34
11	Resonant electron-lattice cooling in graphene. Physical Review B, 2018, 97, .	3.2	21
12	Electrically Tunable Multiterminal SQUID-on-Tip. Nano Letters, 2016, 16, 6910-6915.	9.1	18
13	Nonlinear nanoelectrodynamics of a Weyl metal. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
14	Dual-Gated Graphene Devices for Near-Field Nano-imaging. Nano Letters, 2021, 21, 1688-1693.	9.1	13
15	Polaritonic Vortices with a Half-Integer Charge. Nano Letters, 2021, 21, 9256-9261.	9.1	13
16	NUMERIC SPECTRAL RADIATION HYDRODYNAMIC CALCULATIONS OF SUPERNOVA SHOCK BREAKOUTS. Astrophysical Journal, 2014, 796, 145.	4.5	10
17	Extracting the Strain Matrix and Twist Angle from the Moiré Superlattice in van der Waals Heterostructures. ACS Nano, 2022, 16, 1471-1476.	14.6	10