

# Debayan Mitra

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3425251/publications.pdf>

Version: 2024-02-01

12  
papers

750  
citations

933447

10  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

744  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bad metallic transport in a cold atom Fermi-Hubbard system. Science, 2019, 363, 379-382.	12.6	167
2	Spin-imbalance in a 2D Fermi-Hubbard system. Science, 2017, 357, 1385-1388.	12.6	118
3	Direct laser cooling of a symmetric top molecule. Science, 2020, 369, 1366-1369.	12.6	114
4	Quantum gas microscopy of an attractive Fermi-Hubbard system. Nature Physics, 2018, 14, 173-177.	16.7	79
5	Magneto-optical trapping and sub-Doppler cooling of a polyatomic molecule. Nature, 2022, 606, 70-74.	27.8	72
6	1D Magneto-Optical Trap of Polyatomic Molecules. Physical Review Letters, 2020, 124, 133201.	7.8	69
7	Phase Separation and Pair Condensation in a Spin-Imbalanced 2D Fermi Gas. Physical Review Letters, 2016, 117, 093601.	7.8	36
8	Assessment and mitigation of aerosol airborne SARS-CoV-2 transmission in laboratory and office environments. Journal of Occupational and Environmental Hygiene, 2020, 17, 447-456.	1.0	34
9	Establishing a nearly closed cycling transition in a polyatomic molecule. Physical Review A, 2021, 103, .	2.5	28
10	Quantum control of molecules for fundamental physics. Physical Review A, 2022, 105, .	2.5	21
11	Direct laser cooling of calcium monohydride molecules. New Journal of Physics, 2022, 24, 083006.	2.9	8
12	Fast and high-yield loading of a $D_2$ magneto-optical trap of potassium from a cryogenic buffer-gas beam. Physical Review A, 2021, 104, .	2.5	2