

# Noah Mendelson

## List of Publications by Year in descending order

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18  
papers

952  
citations

567281

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839539

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docs citations

18  
times ranked

864  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying carbon as the source of visible single-photon emission from hexagonal boron nitride. <i>Nature Materials</i> , 2021, 20, 321-328.	27.5	210
2	Engineering and Tuning of Quantum Emitters in Few-Layer Hexagonal Boron Nitride. <i>ACS Nano</i> , 2019, 13, 3132-3140.	14.6	101
3	Room-temperature optically detected magnetic resonance of single defects in hexagonal boron nitride. <i>Nature Communications</i> , 2022, 13, 618.	12.8	97
4	Strain-Induced Modification of the Optical Characteristics of Quantum Emitters in Hexagonal Boron Nitride. <i>Advanced Materials</i> , 2020, 32, e1908316.	21.0	72
5	Coupling Hexagonal Boron Nitride Quantum Emitters to Photonic Crystal Cavities. <i>ACS Nano</i> , 2020, 14, 7085-7091.	14.6	64
6	Direct measurement of quantum efficiency of single-photon emitters in hexagonal boron nitride. <i>Optica</i> , 2019, 6, 1084.	9.3	52
7	Integrated on Chip Platform with Quantum Emitters in Layered Materials. <i>Advanced Optical Materials</i> , 2019, 7, 1901132.	7.3	49
8	Very Large and Reversible Stark-Shift Tuning of Single Emitters in Layered Hexagonal Boron Nitride. <i>Physical Review Applied</i> , 2019, 11, .	3.8	48
9	Scalable and Deterministic Fabrication of Quantum Emitter Arrays from Hexagonal Boron Nitride. <i>Nano Letters</i> , 2021, 21, 3626-3632.	9.1	42
10	Selective Defect Formation in Hexagonal Boron Nitride. <i>Advanced Optical Materials</i> , 2019, 7, 1900397.	7.3	39
11	Purification of single-photon emission from hBN using post-processing treatments. <i>Nanophotonics</i> , 2019, 8, 2049-2055.	6.0	35
12	Coupling Spin Defects in a Layered Material to Nanoscale Plasmonic Cavities. <i>Advanced Materials</i> , 2022, 34, e2106046.	21.0	34
13	Low-Temperature Electron-Phonon Interaction of Quantum Emitters in Hexagonal Boron Nitride. <i>ACS Photonics</i> , 2020, 7, 1410-1417.	6.6	30
14	Tunable Fiber-Cavity Enhanced Photon Emission from Defect Centers in hBN. <i>Advanced Optical Materials</i> , 2021, 9, 2002218.	7.3	27
15	Spin defects in hexagonal boron nitride for strain sensing on nanopillar arrays. <i>Nanoscale</i> , 2022, 14, 5239-5244.	5.6	17
16	Grain Dependent Growth of Bright Quantum Emitters in Hexagonal Boron Nitride. <i>Advanced Optical Materials</i> , 2021, 9, .	7.3	13
17	Direct Growth of Hexagonal Boron Nitride on Photonic Chips for High-Throughput Characterization. <i>ACS Photonics</i> , 2021, 8, 2033-2040.	6.6	13
18	Rational Control on Quantum Emitter Formation in Carbon-Doped Monolayer Hexagonal Boron Nitride. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 3189-3198.	8.0	9