

# Martin Hafermann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4206477/publications.pdf>

Version: 2024-02-01

10  
papers

175  
citations

1478505

6  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

160  
citing authors

#	ARTICLE	IF	CITATIONS
1	A photonic integrated circuitâ€‘based erbium-doped amplifier. <i>Science</i> , 2022, 376, 1309-1313.	12.6	95
2	Revealing the origin of the beneficial effect of cesium in highly efficient Cu(In,Ga)Se <sub>2</sub> solar cells. <i>Nano Energy</i> , 2020, 71, 104622.	16.0	25
3	Flat Optical and Plasmonic Devices Using Areaâ€‘Selective Ionâ€‘Beam Doping of Silicon. <i>Advanced Optical Materials</i> , 2018, 6, 1701027.	7.3	12
4	Metasurfaces Enabled by Locally Tailoring Disorder in Phase-Change Materials. <i>ACS Photonics</i> , 2018, 5, 5103-5109.	6.6	12
5	Tuning carrier density and phase transitions in oxide semiconductors using focused ion beams. <i>Nanophotonics</i> , 2022, 11, 3923-3932.	6.0	10
6	In-Operando Nanoscale X-ray Analysis Revealing the Local Electrical Properties of Rubidium-Enriched Grain Boundaries in Cu(In,Ga)Se <sub>2</sub> Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57117-57123.	8.0	7
7	Grayscale Nanopatterning of Phase-Change Materials for Subwavelength-Scaled, Inherently Planar, Nonvolatile, and Reconfigurable Optical Devices. <i>ACS Applied Nano Materials</i> , 2020, 3, 4486-4493.	5.0	7
8	Hot electrons in a nanowire hard X-ray detector. <i>Nature Communications</i> , 2020, 11, 4729.	12.8	4
9	Fast recovery of ion-irradiation-induced defects in Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films at room temperature. <i>Optical Materials Express</i> , 2021, 11, 3535.	3.0	2
10	Embedded Optics: Flat Optical and Plasmonic Devices Using Areaâ€‘Selective Ionâ€‘Beam Doping of Silicon (Advanced Optical Materials 5/2018). <i>Advanced Optical Materials</i> , 2018, 6, 1870019.	7.3	1