

James P Mcgilligan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5513434/publications.pdf>

Version: 2024-02-01

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papers

299
citations

933447

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1281871

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g-index

11
all docs

11
docs citations

11
times ranked

168
citing authors

#	ARTICLE	IF	CITATIONS
1	Grating chips for quantum technologies. Scientific Reports, 2017, 7, 384.	3.3	62
2	Phase-space properties of magneto-optical traps utilising micro-fabricated gratings. Optics Express, 2015, 23, 8948.	3.4	37
3	Diffraction-grating characterization for cold-atom experiments. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 1271.	2.1	36
4	Laser cooling in a chip-scale platform. Applied Physics Letters, 2020, 117, .	3.3	35
5	Cold-atom clock based on a diffractive optic. Optics Express, 2019, 27, 38359.	3.4	34
6	Design and fabrication of diffractive atom chips for laser cooling and trapping. Applied Physics B: Lasers and Optics, 2016, 122, 172.	2.2	25
7	Enhanced observation time of magneto-optical traps using micro-machined non-evaporable getter pumps. Scientific Reports, 2020, 10, 16590.	3.3	20
8	Magneto-optic trap using a reversible, solid-state alkali-metal source. Optics Letters, 2019, 44, 3002.	3.3	18
9	Dynamic Characterization of an Alkali-Ion Battery as a Source for Laser-Cooled Atoms. Physical Review Applied, 2020, 13, .	3.8	14
10	A simple imaging solution for chip-scale laser cooling. Applied Physics Letters, 2021, 119, .	3.3	14
11	Towards a compact, optically interrogated, cold-atom microwave clock. Advanced Optical Technologies, 2020, 9, 297-303.	1.7	4