

Vassilis Lembessis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

514
citations

8
h-index

21
g-index

21
ext. papers

630
ext. citations

2.5
avg, IF

3.77
L-index

#	Paper	IF	Citations
15	Optical Ferris wheels as a platform for collisional quantum gates. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021 , 38, 233	1.7	4
14	Atoms in axially shifted tightly focused counter-propagating beams: the role of the Gouy and curvature phases. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, 2570	1.7	1
13	Interference of axially-shifted Laguerre-Gaussian beams and their interaction with atoms. <i>Journal of Optics (United Kingdom)</i> , 2019 , 21, 104002	1.7	4
12	Atoms in complex twisted light. <i>Journal of Optics (United Kingdom)</i> , 2019 , 21, 013001	1.7	57
11	Artificial gauge magnetic and electric fields for free two-level atoms interacting with optical Ferris wheel light fields. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017 , 34, 1122	1.7	4
10	Mechanical effects on atoms interacting with highly twisted Laguerre-Gaussian light. <i>Physical Review A</i> , 2016 , 94,	2.6	7
9	The role of Gouy phase on the mechanical effects of Laguerre-Gaussian light interacting with atoms 2016 ,		1
8	Electron vortex beams subject to static magnetic fields. <i>Physical Review A</i> , 2015 , 91,	2.6	15
7	Graphene-like optical light field and its interaction with two-level atoms. <i>Physical Review A</i> , 2015 , 92,	2.6	4
6	Atom vortex beams. <i>Physical Review A</i> , 2014 , 89,	2.6	33
5	Enhanced quadrupole effects for atoms in optical vortices. <i>Physical Review Letters</i> , 2013 , 110, 083002	7.4	40
4	Azimuthal Sisyphus effect for atoms in a toroidal all-optical trap. <i>Physical Review A</i> , 2011 , 84,	2.6	12
3	Optical ferris wheel for ultracold atoms. <i>Optics Express</i> , 2007 , 15, 8619-25	3.3	229
2	Atom dynamics in multiple Laguerre-Gaussian beams. <i>Physical Review A</i> , 1996 , 54, 4259-4270	2.6	69
1	Spin-orbit coupling in free-space Laguerre-Gaussian light beams. <i>Physical Review A</i> , 1996 , 53, R2937-R2939		33