

# Vassilis Lembessis

## List of Publications by Citations

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