Tomasz Radozycki

List of Publications by Citations

22 papers	58 citations	4 h-index	6 g-index
25 ext. papers	71 ext. citations	3.2 avg, IF	2.81 L-index

#	Paper	IF	Citations
22	Pinning and transport of cyclotron (Landau) orbits by electromagnetic vortices. *Physical Review A*, **2006**, 73,	2.6	10
21	Schwinger model Green functions with topological effects. *Physical Review D*, **1999**, 60,	4.9	7
20	Four-point Green functions in the Schwinger model. *Physical Review D*, **1999**, 59,	4.9	7
19	Summing up the perturbation series in the Schwinger Model. *European Physical Journal C*, **1999**, 6, 549-553	4.2	6
18	Trapping neutral particles endowed with a magnetic moment by an electromagnetic wave carrying orbital angular momentum: Semiclassical theory. *Physical Review A*, **2016**, 93,	2.6	4
17	Instanton modifications of the bound state singularity in the Schwinger model. *Physical Review D*, **2007**, 75,	4.9	4
16	Relative variables of the exact fermion-antifermion bound state wave function in the Schwinger model. *Physical Review D*, **2013**, 87,	4.9	3
15	Quantum effects in the evolution of vortices in the electromagnetic field. *Physical Review E*, **2004**, 69, 066616	2.4	3
14	Geometrical optics and geodesics in thin layers. *Physical Review A*, **2018**, 98,	2.6	3
13	Knotted trajectories of neutral and charged particles in Gaussian light beams. *Physical Review A*, **2020**, 102,	2.6	2
12	Limitations in the 2D description of the electromagnetic waves propagation in thin dielectric and magnetic layers. *Journal of Modern Optics*, **2018**, 65, 1404-1415	1.1	2
11	Manipulating neutral particles in Bessel beams: From rings, through fixed helices, to three-dimensional traps. *Physical Review A*, **2019**, 100,	2.6	2
10	Guiding neutral particles endowed with a magnetic moment by an electromagnetic wave carrying orbital angular momentum: Quantum mechanics. *Physical Review A*, **2018**, 98,	2.6	1
9	Relative-energy dependence of the Bethe-Salpeter amplitude in two-dimensional massless QED. *European Physical Journal C*, **2014**, 74, 1	4.2	1
8	Remarks on "Phase-space structure of the Dirac vacuum". *Physical Review D*, **1993**, 48, 5963-5964	4.9	1
7	Classical probability density distributions with uncertainty relations for ground states of simple non-relativistic quantum-mechanical systems. *Molecular Physics*, **2016**, 114, 3112-3126	1.7	1
6	Knotted nodal lines in superpositions of Bessel-Gaussian light beams. *Physical Review A*, **2021**, 103,	2.6	1

List of Publications

5	Reduction of the classical electromagnetism to a two-dimensional curved surface. *Journal of Modern Optics*, **2019**, 66, 1029-1037	1.1	0
4	A concise and universal method for deriving arbitrary paraxial and d'Alembertian cylindrical Gaussian-type light modes. *Optics and Laser Technology*, **2022**, 147, 107670	4.2	0
3	Guiding neutral polar molecules by electromagnetic vortex field. *Journal of Modern Optics*, **2020**, 67, 287-296	1.1	
2	Lorentz contraction of the equal-time Bethe-Salpeter amplitude in two-dimensional massless quantum electrodynamics. *European Physical Journal C*, **2015**, 75, 1	4.2	
1	Finite nonperturbative solutions of Dyson-Schwinger equations in QED in the infrared domain. *Physical Review D*, **1995**, 52, 2439-2445	4.9	