

# Lubomir M Kovachev

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9303931/publications.pdf>

Version: 2024-02-01

16  
papers

192  
citations

1162367

8  
h-index

1058022

14  
g-index

16  
all docs

16  
docs citations

16  
times ranked

68  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy transfer between two filaments and degenerate four-photon parametric processes. <i>Laser Physics</i> , 2015, 25, 035402.	0.6	11
2	Electromagnetic shock wave in nonlinear vacuum: exact solution. <i>Optics Letters</i> , 2012, 37, 4047.	1.7	13
3	Hidden features of the soliton adaptation law to external potentials: Optical and matter-wave 3D nonautonomous soliton bullets. <i>Laser Physics</i> , 2011, 21, 258-263.	0.6	42
4	New mechanism for THz oscillation of the nonlinear refractive index in air: particle-like solutions. <i>Journal of Modern Optics</i> , 2009, 56, 1797-1803.	0.6	15
5	Femtosecond pulses in air: linear and nonlinear regime. , 2009, , .		0
6	Beyond the spatio-temporal model in femtosecond optics. <i>Journal of Modern Optics</i> , 2008, 55, 2875-2891.	0.6	4
7	Diffraction of femtosecond pulses; nonparaxial regime. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 2232.	0.8	5
8	Diffraction of femtosecond pulses Nonparaxial regime: erratum. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 3097.	0.8	4
9	Collapse arrest and self-guiding of femtosecond pulses. <i>Optics Express</i> , 2007, 15, 10318.	1.7	12
10	Optical filaments and optical bullets in dispersive nonlinear media. <i>Journal of Russian Laser Research</i> , 2006, 27, 185-203.	0.3	6
11	Optical leptons. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2004, 2004, 1403-1422.	0.3	23
12	Optical vortices in dispersive nonlinear Kerr-type media. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2004, 2004, 949-967.	0.3	5
13	Vortex solutions of the nonlinear optical Maxwellâ€™Dirac equations. <i>Physica D: Nonlinear Phenomena</i> , 2004, 190, 78-92.	1.3	24
14	Interaction of coupled-vector optical vortices. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 376.	0.9	7
15	Influence of cross phase modulation and four-photon parametric mixing on the relative motion of optical pulses. <i>Optical and Quantum Electronics</i> , 1992, 24, 55-66.	1.5	7
16	Propagation of one-soliton pulses succession in monomode optical fibers. <i>Optics Communications</i> , 1989, 70, 389-392.	1.0	14