

Alexander V Zhukov

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

246
citations

933447

10
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

55
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional electromagnetic breathers in carbon nanotubes with the field inhomogeneity along their axes. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	63
2	Collisions of three-dimensional bipolar optical solitons in an array of carbon nanotubes. <i>Physical Review A</i> , 2016, 94, .	2.5	22
3	Two-dimensional extremely short electromagnetic pulses in a Bragg medium with carbon nanotubes. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	17
4	Extremely short optical pulse in a system of nanotubes with adsorbed hydrogen. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 946-952.	2.1	16
5	Interaction of a two-dimensional electromagnetic breather with an electron inhomogeneity in an array of carbon nanotubes. <i>Journal of Applied Physics</i> , 2014, 115, 203109.	2.5	14
6	Interaction of a two-dimensional electromagnetic pulse with an electron inhomogeneity in an array of carbon nanotubes in the presence of field inhomogeneity. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	14
7	Three-dimensional light bullets in a Bragg medium with carbon nanotubes. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	13
8	EXTREMELY SHORT OPTICAL PULSES IN CARBON NANOTUBES IN DISPERSIVE NONMAGNETIC DIELECTRIC MEDIA. <i>International Journal of Modern Physics B</i> , 2011, 25, 3401-3408.	2.0	11
9	Influence of multi-level impurities on the dynamics of ultrashort electromagnetic pulses in carbon nanotubes. <i>Europhysics Letters</i> , 2014, 106, 37005.	2.0	11
10	Propagation of three-dimensional bipolar ultrashort electromagnetic pulses in an inhomogeneous array of carbon nanotubes. <i>Physical Review A</i> , 2018, 97, .	2.5	11
11	PROPAGATION OF LASER BEAMS IN AN ARRAY OF SEMICONDUCTOR CARBON NANOTUBES. <i>Modern Physics Letters B</i> , 2013, 27, 1350045.	1.9	10
12	Stabilization of ultrashort pulses by external pumping in an array of carbon nanotubes subject to piezoelectric effects. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	10
13	Asymptotic dynamics of three-dimensional bipolar ultrashort electromagnetic pulses in an array of semiconductor carbon nanotubes. <i>Optics Express</i> , 2019, 27, 27592.	3.4	10
14	Three-dimensional ultrashort optical Airy beams in an inhomogeneous medium with carbon nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 931-934.	2.1	7
15	Peculiarities of the propagation of multidimensional extremely short optical pulses in germanene. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 3117-3120.	2.1	6
16	External light control of three-dimensional ultrashort far-infrared pulses in an inhomogeneous array of carbon nanotubes. <i>Physical Review B</i> , 2021, 103, .	3.2	5
17	Opto-acoustic effects in an array of carbon nanotubes. <i>Journal of Applied Physics</i> , 2016, 120, 134307.	2.5	4
18	Two-dimensional electroacoustic waves in silicene. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	2.2	2

#	ARTICLE	IF	CITATIONS
19	Extremely short optical pulses and superstrings. Modern Physics Letters A, 2020, 35, 2050221.	1.2	0
20	On the instability of localized EM pulses in nonlinear electrodynamics with account of temperature effects. Modern Physics Letters B, 2021, 35, 2150176.	1.9	0