

Dimitar I Pushkarov

List of Publications by Year in descending order

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42
papers

696
citations

840776

11
h-index

552781

26
g-index

43
all docs

43
docs citations

43
times ranked

321
citing authors

#	ARTICLE	IF	CITATIONS
1	Comment on "Effect of rotation on the elastic moduli of solid ^4He ". Physical Review B, 2019, 99, .	1.2	1
2	Vacancy distribution in a rotating solid ^4He . Europhysics Letters, 2012, 97, 56002.	2.0	3
3	Vacancy-impurity nanoclusters in solid solutions ^3He - ^4He . Journal of Physics: Conference Series, 2010, 253, 012019.	0.4	0
4	Vacancy-impurity nanoclusters in solid solutions of ^3He in ^4He . Physical Review B, 2004, 70, .	3.2	3
5	Quantum diffusion. Open Physics, 2004, 2, .	1.7	6
6	Quasiparticle kinetics and dynamics in nonstationary deformed crystals in the presence of electromagnetic fields. Physics Reports, 2001, 354, 411-467.	25.6	7
7	Stability of narrow beams in bulk Kerr-type nonlinear media. Physical Review A, 2001, 64, .	2.5	9
8	Bright Solitary-Wave Beams in Bulk Kerr-Type Nonlinear Media. , 2001, , 351-354.		0
9	Spatial Solitary-Wave Beams in Kerr-Type Planar Optical Waveguides: Nonparaxial Vector Approach. , 2001, , 95-98.		0
10	Effects of Nonlinearly Induced Inhomogeneity on Solitary Wave Formation. , 2001, , 293-316.		0
11	Influence of nonlinearly induced diffraction on spatial solitary waves. Optical and Quantum Electronics, 2000, 32, 49-62.	3.3	25
12	Wave-beam coupling in quadratic nonlinear optical waveguides: Effects of nonlinearly induced diffraction. Physical Review E, 2000, 62, 2871-2877.	2.1	14
13	Dynamic theory of deformable solids with quasiparticle excitations in the presence of electromagnetic fields. Physical Review B, 2000, 61, 4000-4011.	3.2	2
14	Comment on "Quantum diffusion of ^3He impurities in solid ^4He ". Physical Review B, 2000, 61, 15474-15475.	3.2	1
15	Beam Propagation in Kerr-type Nonlinear Waveguides. Physica Scripta, 2000, T84, 197.	2.5	4
16	Solitary wave propagation and bistability in the normal dispersion region of highly nonlinear optical fibres and waveguides. Optics Communications, 1997, 141, 322-328.	2.1	93
17	Bright and dark solitary wave propagation and bistability in the anomalous dispersion region of optical waveguides with third- and fifth-order nonlinearities. Optics Communications, 1996, 124, 354-364.	2.1	104
18	Mass transport by crowdions: A simple model appropriate to body-centred-cubic Na and K. Journal of Physics and Chemistry of Solids, 1996, 57, 139-140.	4.0	6

#	ARTICLE	IF	CITATIONS
19	Magnetohydrodynamic approach to metals. <i>Physical Review B</i> , 1992, 46, 7374-7378.	3.2	1
20	On the Theory of Solitary Excitons in One-Dimensional Systems. <i>Physica Status Solidi (B): Basic Research</i> , 1990, 159, K17.	1.5	0
21	Effect of a point defect on soliton solutions of the NLSE. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990, 149, 287-290.	2.1	10
22	Two-fluid hydrodynamic description of quasiparticle gas in crystals. <i>Physica Scripta</i> , 1990, 42, 481-484.	2.5	0
23	Soliton excitations in deformable solids. <i>Physica Scripta</i> , 1989, 39, 620-623.	2.5	6
24	On the defecton statistics in quantum crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1986, 133, 525-531.	1.5	13
25	Dynamics theory of quantum crystals with delocalised defects. <i>Journal of Physics C: Solid State Physics</i> , 1986, 19, 6873-6885.	1.5	5
26	Quantum behaviour of solitons in lattice structures. <i>Solid State Communications</i> , 1985, 54, 465-469.	1.9	2
27	I ² -V characteristics of tunnel MOS structures with silicon oxide obtained in RF oxygen plasma. <i>Solid-State Electronics</i> , 1982, 25, 781-789.	1.4	11
28	Vortex Lines in Ferromagnets. <i>Physica Status Solidi (B): Basic Research</i> , 1980, 97, K109.	1.5	2
29	Soliton solutions in some non-linear Schrödinger-like equations. <i>Reports on Mathematical Physics</i> , 1980, 17, 37-40.	0.8	33
30	Self-action of light beams in nonlinear media: soliton solutions. <i>Optical and Quantum Electronics</i> , 1979, 11, 471-478.	3.3	166
31	Solitary Bound State of Magnons and Lattice Deformation in an Anharmonic One-Dimensional Ferromagnet. <i>Physica Status Solidi (B): Basic Research</i> , 1979, 93, 735-742.	1.5	6
32	Quasi-classical description of the Heisenberg ferromagnet: Soliton solutions. <i>Physica Status Solidi (B): Basic Research</i> , 1978, 85, K89.	1.5	11
33	Solitary Excitations in One-Dimensional Ferromagnets with Biquadratic Exchange. <i>Physica Status Solidi (B): Basic Research</i> , 1978, 88, 65-71.	1.5	8
34	Solitary bound states of magnons and lattice deformation in ferromagnets with biquadratic exchange. <i>Physica Status Solidi (B): Basic Research</i> , 1978, 90, 361-368.	1.5	2
35	Electron-phonon interaction Soliton solutions. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1978, 38, 319-324.	0.6	1
36	Solitary defectons in one-dimensional quantum crystals. <i>Journal of Physics C: Solid State Physics</i> , 1978, 11, 849-849.	1.5	0

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37	Solitary defectons in one-dimensional quantum crystals. Journal of Physics C: Solid State Physics, 1977, 10, 3711-3716.	1.5	4
38	Solitary magnons in one-dimensional ferromagnetic chain. Physics Letters, Section A: General, Atomic and Solid State Physics, 1977, 61, 339-340.	2.1	79
39	On the theory of thermal conductivity in quantum crystals. Physica Status Solidi (B): Basic Research, 1977, 80, 295-300.	1.5	0
40	Solitons in One-Dimensional Ferromagnetic Systems. Physica Status Solidi (B): Basic Research, 1977, 81, 703-707.	1.5	44
41	Defecton Diffusion in the Very Quantum Region. Physica Status Solidi (B): Basic Research, 1976, 74, K97.	1.5	2
42	Delocalisation and diffusion of defects in quantum crystals at $T = 0$. Physica Status Solidi (B): Basic Research, 1975, 67, K23.	1.5	1