

Ljupco Hadzievski

List of Publications by Year in descending order

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73
papers

1,027
citations

394421

19
h-index

454955

30
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74
all docs

74
docs citations

74
times ranked

770
citing authors

#	ARTICLE	IF	CITATIONS
1	Power Controlled Soliton Stability and Steering in Lattices with Saturable Nonlinearity. Physical Review Letters, 2004, 93, 033901.	7.8	108
2	One-dimensional bright discrete solitons in media with saturable nonlinearity. Physical Review E, 2004, 69, 066618.	2.1	60
3	Bright solitons in the one-dimensional discrete Gross-Pitaevskii equation with dipole-dipole interactions. Physical Review A, 2008, 78, .	2.5	58
4	Two-dimensional discrete solitons in dipolar Bose-Einstein condensates. Physical Review A, 2010, 81, .	2.5	42
5	Stability of one-dimensional electromagnetic solitons in relativistic laser plasmas. Physics of Plasmas, 2002, 9, 2569-2574.	1.9	38
6	A novel mobile transtelephonic system with synthesized 12-lead ECG. IEEE Transactions on Information Technology in Biomedicine, 2004, 8, 428-438.	3.2	38
7	Soliton stability and collapse in the discrete nonpolynomial Schrödinger equation with dipole-dipole interactions. Physical Review A, 2009, 79, .	2.5	36
8	Solitons in the discrete nonpolynomial Schrödinger equation. Physical Review A, 2008, 78, .	2.5	35
9	Dynamics of electromagnetic solitons in a relativistic plasma. Physics of Plasmas, 2006, 13, 052309.	1.9	33
10	Non-invasive respiratory monitoring using long-period fiber grating sensors. Biomedical Optics Express, 2014, 5, 1136.	2.9	31
11	Stable Periodic Density Waves in Dipolar Bose-Einstein Condensates Trapped in Optical Lattices. Physical Review Letters, 2012, 108, 140402.	7.8	29
12	Transition to miscibility in linearly coupled binary dipolar Bose-Einstein condensates. Physical Review A, 2010, 82, .	2.5	28
13	Stable optical vortices in nonlinear multicore fibers. Light: Science and Applications, 2015, 4, e314-e314.	16.6	28
14	Composite localized modes in discretized spin-orbit-coupled Bose-Einstein condensates. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 065301.	1.5	28
15	Dark solitons in dynamical lattices with the cubic-quintic nonlinearity. Physical Review E, 2007, 76, 046605.	2.1	24
16	Bifurcation analysis of the localized modes dynamics in lattices with saturable nonlinearity. Physica D: Nonlinear Phenomena, 2006, 216, 95-102.	2.8	22
17	Tamm oscillations in semi-infinite nonlinear waveguide arrays. Optics Letters, 2007, 32, 823.	3.3	22
18	Staggered and moving localized modes in dynamical lattices with the cubic-quintic nonlinearity. Physical Review E, 2008, 77, 036604.	2.1	22

#	ARTICLE	IF	CITATIONS
19	Deep Learning Approach for Highly Specific Atrial Fibrillation and Flutter Detection based on RR Intervals. , 2019, 2019, 1780-1783.		20
20	Collapse instability of solitons in the nonpolynomial Schrödinger equation with dipole-dipole interactions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 145302.	1.5	19
21	High-speed kinks in a generalized discrete ψ -Schrödinger equation with dipole-dipole interactions. Physical Review E, 2008, 77, 056603.	2.1	17
22	Circular Polarization Selective Metamaterial Absorber in Terahertz Frequency Range. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-6.	2.9	16
23	Comparison of QTinno, a fully automated electrocardiographic analysis program, to semiautomated electrocardiographic analysis methods in a drug safety study in healthy subjects. Journal of Electrocardiology, 2009, 42, 358-366.	0.9	15
24	Discrete solitons in an array of quantum dots. Physical Review B, 2013, 88, .	3.2	15
25	Modulational instability in one-dimensional saturable waveguide arrays: Comparison with Kerr nonlinearity. Optics Communications, 2006, 267, 229-235.	2.1	13
26	Wireless remote monitoring of reconstructed 12-lead ECGs after ablation for atrial fibrillation using a hand-held device. Journal of Electrocardiology, 2012, 45, 129-135.	0.9	13
27	Extreme events in two-dimensional disordered nonlinear lattices. Physica D: Nonlinear Phenomena, 2013, 252, 59-64.	2.8	13
28	Cardiac-induced localized thoracic motion detected by a fiber optic sensing scheme. Journal of Biomedical Optics, 2014, 19, 117006.	2.6	13
29	Tunneling times in metamaterials with saturable nonlinearity. Physical Review A, 2009, 80, .	2.5	12
30	Discrete localized modes supported by an inhomogeneous defocusing nonlinearity. Physical Review E, 2013, 88, 032905.	2.1	11
31	Predicting defibrillation success in out-of-hospital cardiac arrested patients: Moving beyond feature design. Artificial Intelligence in Medicine, 2020, 110, 101963.	6.5	11
32	Optical vortices in waveguides with discrete and continuous rotational symmetry. Journal of the European Optical Society-Rapid Publications, 2021, 17, .	1.9	11
33	Langmuir soliton stability and collapse in a weak magnetic field. Physical Review A, 1990, 42, 3561-3570.	2.5	10
34	Modulation instability in two-dimensional nonlinear Schrödinger lattice models with dispersion and long-range interactions. Physical Review B, 2003, 68, .	3.2	10
35	DNA-RNA transcription as an impact of viscosity. Chaos, 2010, 20, 043141.	2.5	10
36	High- and low-frequency phonon modes in dipolar quantum gases trapped in deep lattices. Physical Review A, 2013, 87, .	2.5	10

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37	Stability of one-dimensional array solitons. <i>Physical Review E</i> , 2002, 65, 026604.	2.1	9
38	Dynamics of dark breathers in lattices with saturable nonlinearity. <i>Optics Express</i> , 2007, 15, 5687.	3.4	8
39	Terahertz chiral metamaterial based on twisted closed ring resonators. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 045106.	2.8	8
40	Surface solitons in trilete lattices. <i>Physica D: Nonlinear Phenomena</i> , 2011, 240, 1489-1496.	2.8	7
41	Properties of different types of dry electrodes for wearable smart monitoring devices. <i>Biomedizinische Technik</i> , 2020, 65, 405-415.	0.8	7
42	On transverse instability of large-amplitude Langmuir solitons. <i>Physics of Fluids B</i> , 1991, 3, 2452-2454.	1.7	6
43	Rayleigh-Taylor instability of magnetized density transition layer. <i>Physics of Plasmas</i> , 2000, 7, 89-93.	1.9	6
44	Localized modes in mini-gaps opened by periodically modulated intersite coupling in two-dimensional nonlinear lattices. <i>Chaos</i> , 2014, 24, 023124.	2.5	5
45	Soliton nanoantennas in two-dimensional arrays of quantum dots. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 225301.	1.8	5
46	The spectral signatures of a Langmuir soliton instability. <i>Physics of Fluids B</i> , 1993, 5, 2076-2079.	1.7	4
47	Properties of the moving Holstein large polaron in one-dimensional molecular crystals. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 275404.	1.8	4
48	Wireless remote monitoring of atrial fibrillation using reconstructed 12-lead ECGs. , 2010, 2010, 1113-8.		4
49	Goos-Hänchen shift and time delay in dispersive nonlinear media. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 1357-1361.	2.1	4
50	Refractive properties of metamaterial composed of InGaAs layers with alternating doping densities. <i>Journal of Electromagnetic Waves and Applications</i> , 2012, 26, 2323-2331.	1.6	4
51	A new method for respiratory-volume monitoring based on long-period fibre gratings. , 2013, 2013, 2660-3.		4
52	Non-linear effects in the forces acting on fast charged particles passing over two-dimensional electron gas. <i>Materials Chemistry and Physics</i> , 2009, 118, 293-297.	4.0	3
53	Spontaneous symmetry breaking of gap solitons in defect-loaded uniform one-dimensional photonic lattices. <i>Physical Review A</i> , 2013, 88, .	2.5	3
54	Wireless monitoring of reconstructed 12-lead ECG in atrial fibrillation patients enables differential diagnosis of recurrent arrhythmias. , 2011, 2011, 4741-4.		2

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55	Comparison of tunneling times in isotropic and anisotropic media. Applied Physics A: Materials Science and Processing, 2012, 109, 997-1006.	2.3	2
56	Modulation Instability of Two-Dimensional Dipolar Bose-Einstein Condensate in a Deep Optical Lattice. Acta Physica Polonica A, 2009, 116, 519-521.	0.5	2
57	Visual 3Dx: Algorithms for quantitative 3-dimensional analysis of ECG signals. , 2009, 2009, 6751-4.		1
58	Reflection of an electromagnetic pulse from a relativistically moving plasma. Journal of Plasma Physics, 2009, 75, 111-115.	2.1	1
59	Algorithm for quantitative 3 dimensional analysis of ECG signals improves myocardial diagnosis over cardiologists in diabetic patients. , 2011, 2011, 965-8.		1
60	Control of a Bose-Einstein condensate on a chip by external optical and magnetic potentials. Annals of Physics, 2012, 327, 2152-2165.	2.8	1
61	Control and ultra-short pulse generation in stimulated Raman backscattering. Journal of Physics: Conference Series, 2016, 688, 012112.	0.4	1
62	Deep learning-based classification of high intensity light patterns in photorefractive crystals. Journal of Optics (United Kingdom), 2020, 22, 035504.	2.2	1
63	ECG waveform dataset for predicting defibrillation outcome in out-of-hospital cardiac arrested patients. Data in Brief, 2021, 34, 106635.	1.0	1
64	Influence of the Goos-Hänchen Shift on Tunneling Times in Dispersive Nonlinear Media. Acta Physica Polonica A, 2009, 116, 638-641.	0.5	1
65	Interactions of fast ions with graphene. Hemijska Industrija, 2009, 63, 151-157.	0.7	1
66	Interaction of electromagnetic solitons in relativistic plasmas. Journal of Plasma Physics, 2006, 72, 1309.	2.1	0
67	On Moving Discrete Modes in Nonlinear Lattices. , 2008, , .		0
68	Photonica 2011: 3rd International School and Conference on Photonics. Physica Scripta, 2012, T149, 010101.	2.5	0
69	Topological Charge Switch in Active Multi-Core Fibers. Annalen Der Physik, 2021, 533, 2100108.	2.4	0
70	Steering properties of bright discrete staggered solitons in photovoltaic photorefractive media. , 2005, , .		0
71	Dynamics of discrete photorefractive solitons. , 2005, , .		0
72	Steering properties of the bright discrete staggered solitons in photovoltaic photorefractive media. , 2005, , .		0

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73	Long-period grating fiber-optic sensors of bending for applications in pulmonology. Tehnika, 2014, 69, 453-458.	0.2	0