

Oleg I Utesov

List of Publications by Year in descending order

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30
papers

243
citations

1040056

9
h-index

996975

15
g-index

30
all docs

30
docs citations

30
times ranked

223
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamically stable skyrmion lattice in a tetragonal frustrated antiferromagnet with dipolar interaction. <i>Physical Review B</i> , 2021, 103, .	3.2	51
2	Raman Spectra of Crystalline Nanoparticles: Replacement for the Phonon Confinement Model. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19219-19229.	3.1	24
3	Mean-field description of skyrmion lattice in hexagonal frustrated antiferromagnets. <i>Physical Review B</i> , 2022, 105, .	3.2	22
4	Effective interactions in a quantum Bose-Bose mixture. <i>Physical Review A</i> , 2018, 97, .	2.5	18
5	Cascades of phase transitions in spiral magnets caused by dipolar forces. <i>Physical Review B</i> , 2017, 95, .	3.2	13
6	Spiral magnets with Dzyaloshinskii-Moriya interaction containing defect bonds. <i>Physical Review B</i> , 2015, 92, .	3.2	12
7	Localized and propagating excitations in gapped phases of spin systems with bond disorder. <i>Physical Review B</i> , 2014, 90, .	3.2	10
8	Raman Spectra of Nonpolar Crystalline Nanoparticles: Elasticity Theory-like Approach for Optical Phonons. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22738-22749.	3.1	10
9	Substrate-induced reduction of graphene thermal conductivity. <i>Physical Review B</i> , 2017, 95, .	3.2	9
10	Signature of anisotropic exchange interaction revealed by vector-field control of the helical order in a FeGe thin plate. <i>Physical Review Research</i> , 2021, 3, .	3.6	9
11	Spiral plane flops in frustrated helimagnets in external magnetic field. <i>Physical Review B</i> , 2018, 98, .	3.2	7
12	Formation of spiral ordering by magnetic field in frustrated anisotropic antiferromagnets. <i>Physical Review B</i> , 2019, 100, .	3.2	7
13	Metastable solitonic states in the strained itinerant helimagnet FeGe. <i>Physical Review B</i> , 2020, 102, .	3.2	7
14	Lifetimes of confined optical phonons and the shape of a Raman peak in disordered nanoparticles. II. Numerical treatment. <i>Physical Review B</i> , 2020, 102, .	3.2	7
15	Control of multiferroic order by magnetic field in frustrated helimagnet MnI ₂ . Theory. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 475, 98-102.	2.3	5
16	Lifetimes of confined optical phonons and the shape of a Raman peak in disordered nanoparticles. I. Analytical treatment. <i>Physical Review B</i> , 2020, 102, .	3.2	5
17	Theory of field-induced quantum phase transition in spin dimer system Ba ₃ Cr ₂ O ₈ . <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 358-359, 177-182.	2.3	4
18	Cubic B20 helimagnets with quenched disorder in magnetic field. <i>Physical Review B</i> , 2019, 99, .	3.2	4

#	ARTICLE	IF	CITATIONS
19	Phase competition in frustrated anisotropic antiferromagnet in strong magnetic field. Journal of Magnetism and Magnetic Materials, 2021, 527, 167732.	2.3	4
20	Electric-field control of spin transitions in molecular compounds. Physical Review B, 2019, 100, .	3.2	3
21	Effects of Bond Disorder and Surface Amorphization on Optical Phonon Lifetimes and Raman Peak Shape in Crystalline Nanoparticles. Journal of Physical Chemistry C, 2021, 125, 18444-18455.	3.1	3
22	Pure spin currents generation under quantum wells photoionization. JETP Letters, 2010, 92, 33-35.	1.4	2
23	Magnon spectrum and electron spin resonance in antiferromagnet with large single-ion easy plane anisotropy. Journal of Magnetism and Magnetic Materials, 2021, 518, 167390.	2.3	2
24	Self-consistent T-matrix approach to gap renormalization in quantum magnets with bond disorder. Journal of Magnetism and Magnetic Materials, 2021, 524, 167616.	2.3	2
25	Critical Fluctuations Beyond the Quantum Phase Transition in Dzyaloshinskiiâ€Moriya Helimagnets Mn _{1-x} Fe _x Si. Journal of Experimental and Theoretical Physics, 2021, 132, 588-595.	0.9	2
26	Bench tests for microscopic theory of Raman scattering in powders of disordered nonpolar crystals: Nanodiamonds and beyond. Journal of Raman Spectroscopy, 2021, 52, 1847.	2.5	1
27	How strong is localization in the integer quantum Hall effect: Relevant quantum corrections to conductivity in non-zero magnetic field. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1062-1065.	2.7	0
28	Self-consistent T-matrix approach to Bose-glass in one dimension. Journal of Magnetism and Magnetic Materials, 2016, 397, 11-19.	2.3	0
29	Self-localization of magnons and a magnetoroton in a binary Bose-Einstein condensate. Physical Review A, 2020, 101, .	2.5	0
30	Magnetodipolar interaction and quasiparticles delocalization in disordered quantum magnets. Journal of Magnetism and Magnetic Materials, 2022, 560, 169640.	2.3	0