

# Oleg V Zhirov

## List of Publications by Year in descending order

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37  
papers

690  
citations

686830

13  
h-index

552369

26  
g-index

37  
all docs

37  
docs citations

37  
times ranked

459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoelectricity Modeling with Cold Dipole Atoms in Aubry Phase of Optical Lattice. Applied Sciences (Switzerland), 2020, 10, 2090.	1.3	1
2	Thermoelectricity of cold ions in optical lattices. European Physical Journal D, 2019, 73, 1.	0.6	8
3	Elastic enhancement factor: From mesoscopic systems to macroscopic analogous devices. Physical Review E, 2015, 91, 052917.	0.8	4
4	Anderson transition for Google matrix eigenstates. Annalen Der Physik, 2015, 527, 713-722.	0.9	0
5	Elastic Enhancement Factor: Mesoscopic Systems versus Macroscopic 2D Electromagnetic Analogue Devices. Acta Physica Polonica A, 2015, 128, 990-993.	0.2	4
6	Towards a synchronization theory of microwave-induced zero-resistance states. Physical Review B, 2013, 88, .	1.1	45
7	Thermoelectricity of Wigner crystal in a periodic potential. Europhysics Letters, 2013, 103, 68008.	0.7	8
8	Wigner crystal in snaked nanochannels: Outlook. Physica B: Condensed Matter, 2012, 407, 1909-1911.	1.3	1
9	Wigner crystal in snaked nanochannels. European Physical Journal B, 2011, 82, 63-67.	0.6	5
10	Quantum vacuum of strongly nonlinear lattices. Physical Review E, 2011, 83, 016202.	0.8	4
11	Classical versus quantum dynamical chaos: Sensitivity to external perturbations, stability and reversibility. , 2011, , .		1
12	Two-dimensional ranking of Wikipedia articles. European Physical Journal B, 2010, 77, 523-531.	0.6	68
13	Towards Google matrix of brain. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3206-3209.	0.9	13
14	Google matrix, dynamical attractors, and Ulam networks. Physical Review E, 2010, 81, 036213.	0.8	24
15	Quantum synchronization and entanglement of two qubits coupled to a driven dissipative resonator. Physical Review B, 2009, 80, .	1.1	63
16	Quantum dynamics against a noisy background. Europhysics Letters, 2009, 88, 60002.	0.7	2
17	Quantum Chaos: Degree of Reversibility of Quantum Dynamics of Classically Chaotic Systems. , 2009, , .		0
18	Complexity of quantum states and reversibility of quantum motion. Physical Review E, 2008, 78, 046212.	0.8	18

#	ARTICLE	IF	CITATIONS
19	How well a chaotic quantum system can retain memory of its initial state?. Europhysics Letters, 2008, 84, 30001.	0.7	3
20	Synchronization and Bistability of a Qubit Coupled to a Driven Dissipative Oscillator. Physical Review Letters, 2008, 100, 014101.	2.9	71
21	Frenkel-Kontorova model with cold trapped ions. European Physical Journal D, 2007, 41, 325-330.	0.6	68
22	Quantum synchronization. European Physical Journal D, 2006, 38, 375-379.	0.6	39
23	Dissipative decoherence in the Grover algorithm. European Physical Journal D, 2006, 38, 405-408.	0.6	13
24	Phase diagram for the Grover algorithm with static imperfections. European Physical Journal D, 2004, 31, 131-135.	0.6	9
25	Quantum phase transition in the Frenkel-Kontorova chain: From pinned instanton glass to sliding phonon gas. Physical Review E, 2003, 67, 056209.	0.8	14
26	Fractal spin glass properties of low energy configurations in the Frenkel-Kontorova chain. Physical Review E, 2002, 65, 026220.	0.8	12
27	Phantoms of regularity in the sea of quantum chaos. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 9, 554-559.	1.3	3
28	Big entropy fluctuations in statistical equilibrium: The macroscopic kinetics. Journal of Experimental and Theoretical Physics, 2001, 93, 188-196.	0.2	1
29	How Many "Arrows of Time" Do We Really Need to Comprehend Statistical Laws?. Physical Review Letters, 2000, 85, 896-896.	2.9	3
30	Quantum resonances and regularity islands in quantum maps. Physical Review E, 2000, 61, 5057-5072.	0.8	10
31	Quantum Resonances of the Kicked Rotor and the $SU(q)$ Group. Physical Review Letters, 2000, 84, 3566-3569.	2.9	24
32	Existence of a long time scale in quantum chaos. Physical Review E, 1997, 55, 7757-7758.	0.8	4
33	Numerical simulation of fermi systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 222, 110-114.	1.5	5
34	Study of coulomb-type interaction of b-quarks. Nuclear Physics B, 1987, 292, 714-724.	0.9	6
35	Is the explosion of a quark-gluon plasma found?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 171, 99-102.	1.5	22
36	Testing Monte Carlo methods for path integrals in some quantum mechanical problems. Nuclear Physics B, 1984, 242, 393-406.	0.9	43

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37	Vacuum pressure effects in low-particle hadronic spectra. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1980, 89, 253-255.	1.5	71