

Vladimir Zelevinsky

List of Publications by Year in descending order

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57
papers

1,427
citations

471509

17
h-index

315739

38
g-index

85
all docs

85
docs citations

85
times ranked

768
citing authors

#	ARTICLE	IF	CITATIONS
1	Expanding Nuclear Physics Horizons with the Gamma Factory. Annalen Der Physik, 2022, 534, .	2.4	21
2	Physics of thermalization and level density in an isolated system of strongly interacting particles. European Physical Journal: Special Topics, 2021, 230, 755-769.	2.6	0
3	Nuclear Shell Model and Level Density. Springer Proceedings in Physics, 2021, , 123-131.	0.2	1
4	Nuclear shell model and level density. International Journal of Modern Physics E, 2020, 29, 2030005.	1.0	9
5	White paper: from bound states to the continuum. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 123001.	3.6	38
6	Nuclear level density, thermalization, chaos, and collectivity. Progress in Particle and Nuclear Physics, 2019, 105, 180-213.	14.4	26
7	On Broken Symmetry. Inference, 2019, 4, .	0.0	0
8	Level density of the sd-nuclei—Statistical shell-model predictions. Atomic Data and Nuclear Data Tables, 2018, 120, 1-120.	2.4	10
9	Nuclear level density and related physics. EPJ Web of Conferences, 2018, 194, 01001.	0.3	7
10	NUCLEAR LEVEL DENSITY, QUANTUM CHAOS AND RELATED PHYSICS. Journal of Physics: Conference Series, 2018, 966, 012032.	0.4	4
11	Constant temperature model for nuclear level density. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 428-433.	4.1	11
12	Quantum phase transitions and collective enhancement of level density in odd-A and odd-odd nuclei. Nuclear Physics A, 2017, 962, 46-60.	1.5	13
13	Nuclear structure features of Gamow-Teller excitations. Physical Review C, 2017, 96, .	2.9	8
14	Nuclear Matrix Elements for Tests of Local Lorentz Invariance Violation. Physical Review Letters, 2017, 119, 192504.	7.8	5
15	The curious case of tantalum 180. AIP Conference Proceedings, 2017, , .	0.4	1
16	Nuclear Matrix Elements for Tests of Fundamental Symmetries. , 2017, , .		0
17	Four neutrons together momentarily. Nature, 2016, 532, 449-449.	27.8	9
18	Nuclear shape transitions, level density, and underlying interactions. Physical Review C, 2016, 94, .	2.9	17

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19	Nuclear level density: Shell-model approach. Physical Review C, 2016, 93, .	2.9	30
20	Environment-protected solid-state-based distributed charge qubit. Physical Review B, 2016, 94, .	3.2	8
21	Neutron Resonance Widths and the Porter-Thomas Distribution. Physical Review Letters, 2015, 115, 052501.	7.8	18
22	Nuclear Level Density, Quantum Chaos and Thermalization. , 2015, , .		0
23	Atomic Nucleus as Chaotic Quantum Many-Body System. Acta Physica Polonica A, 2015, 128, 1008-1016.	0.5	1
24	Superradiance in a two-channel quantum wire. , 2014, , .		3
25	Exploring dynamics of unstable many-body systems. AIP Conference Proceedings, 2014, , .	0.4	2
26	Continuum shell model and nuclear physics at the edge of stability. Physics of Atomic Nuclei, 2014, 77, 969-982.	0.4	25
27	Decay through a doorway state and the puzzle of T_a . Physical Review C, 2014, 90, .	2.9	12
28	Quantum signal transmission through a single-qubit chain. European Physical Journal B, 2013, 86, 1.	1.5	10
29	Pairing Beyond BCS. , 2013, , 73-88.		2
30	Dipole resonances and the nuclear Schiff moment. Physical Review C, 2012, 86, .	2.9	2
31	Super-radiant dynamics, doorways and resonances in nuclei and other open mesoscopic systems. Reports on Progress in Physics, 2011, 74, 106301.	20.1	95
32	Random interactions explore the nuclear landscape: Predominance of prolate nuclear deformations. Physical Review C, 2010, 81, .	2.9	23
33	Nuclear Schiff moment and soft vibrational modes. Physical Review C, 2008, 78, .	2.9	14
34	Pairing phase transitions in nuclear wave functions. Physical Review C, 2007, 75, .	2.9	15
35	Continuum shell model. Physical Review C, 2006, 74, .	2.9	121
36	SPARTAK T. BELYAEV – RECIPIENT OF THE FEENBERG MEDAL. International Journal of Modern Physics B, 2006, 20, 2574-2578.	2.0	1

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37	SPARTAK T. BELYAEV " RECIPIENT OF THE FEENBERG MEDAL. , 2006, , .		0
38	RANDOM INTERACTIONS AND GROUND STATE SPIN OF FINITE FERMI SYSTEMS. , 2006, , .		0
39	FROM SUPER-RADIANCE TO CONTINUUM SHELL MODEL. , 2006, , .		0
40	High-lying single-particle modes, chaos, correlational entropy, and doubling phase transition. Physical Review C, 2004, 70, .	2.9	13
41	Order Generated by Random Many-Body Dynamics. Acta Physica Hungarica A Heavy Ion Physics, 2004, 19, 221-225.	0.4	0
42	"Super-radiance" and the width of exotic baryons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 590, 45-50.	4.1	17
43	Nuclear structure, random interactions and mesoscopic physics. Physics Reports, 2004, 391, 311-352.	25.6	77
44	Invariant correlational entropy as a signature of quantum phase transitions in nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 574, 27-34.	4.1	32
45	Spin- and parity-dependent nuclear level densities and the exponential convergence method. Physical Review C, 2003, 67, .	2.9	44
46	"Super-radiant" states and narrow resonances in the ^{19}F -nucleus system. Physical Review C, 2002, 65, .	2.9	15
47	$^{45}\text{V}(p, \hat{p}^3)$ thermonuclear reaction rate relevant to ^{44}Ti production in core-collapse supernovae: General estimates and shell model analysis. Physical Review C, 2002, 66, .	2.9	6
48	Chaos, spins and symmetries in nuclear structure. European Physical Journal D, 2002, 52, C527-C552.	0.4	0
49	OF A SUPERIOR BREED. , 2002, , .		0
50	Improved treatment of ground-state correlations: Modified random phase approximation. Physical Review C, 2001, 64, .	2.9	36
51	Do hadronic charge exchange reactions measure electroweak $L=1$ strength?. Physical Review C, 2001, 65, .	2.9	6
52	Chaotic Wave Functions and Exponential Convergence of Low-Lying Energy Eigenvalues. Physical Review Letters, 1999, 82, 2064-2067.	7.8	64
53	Short-range repulsion and symmetry of two-body wave functions. American Journal of Physics, 1998, 66, 247-251.	0.7	4
54	Quasielastic knockout of alpha clusters by intermediate energy protons: Signatures of virtually excited states. Physical Review C, 1997, 55, 302-317.	2.9	9

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55	Simple mode on a highly excited background: Collective strength and damping in the continuum. Physical Review C, 1997, 56, 311-323.	2.9	58
56	QUANTUM CHAOS AND COMPLEXITY IN NUCLEI. Annual Review of Nuclear and Particle Science, 1996, 46, 237-279.	10.2	92
57	The nuclear shell model as a testing ground for many-body quantum chaos. Physics Reports, 1996, 276, 85-176.	25.6	391