Victor I Tselyaev

List of Publications by Year
in descending order

48 papers	1,226 citations	394421 19 h-index	361022 35 g-index
50 all docs	50 docs citations	50 times ranked	403 citing authors

#	Article	IF	Citations
1	Self-consistent description of high-spin states in doubly magic ^{208}Pb. Physical Review C, 2022, 105, .	2.9	1
2	Generalized Skyrme random-phase approximation for nuclear resonances: Different trends for electric and magnetic modes. Physical Review C, 2020, 102, .	2.9	4
3	Low-energy $M1$ resonance in ^{208}Pb within the self-consistent	2.9	10
4	$M1$ excitations in ^{208}Pb and the spin channel of the Skyrme energy-density functional. Physical Review C, 2019, 99, .	2.9	19
5	Self-consistency in the phonon space of the particle-phonon coupling model. Physical Review C, 2018, 97, .	2.9	24
6	Excitation spectra of exotic nuclei in a self-consistent phonon-coupling model. Physical Review C, 2018, 98, .	2.9	11
7	Fine Structure and Collectivity of the Levels of the Pygmy Dipole Resonance in 208Pb in a Self-Consistent Model. JETP Letters, 2018, 107, 659-664.	1.4	7
8	Optimizing phonon space in the phonon-coupling model. Physical Review C, 2017, 96, .	2.9	9
9	Microscopic calculations of the characteristics of radiative nuclear reactions for double-magic nuclei. EPJ Web of Conferences, 2016, 107, 05005.	0.3	1
10	Application of an extended random-phase approximation to giant resonances in light-, medium-, and heavy-mass nuclei. Physical Review C, 2016, 94, .	2.9	34
11	Radiative strength function and the pygmy dipole resonance in 208Pb and 70Ni. JETP Letters, 2016, 104, 374-379.	1.4	4
12	The phonon-coupling model for Skyrme forces. Physics of Atomic Nuclei, 2016, 79, 868-884.	0.4	12
13	Isoscalar and isovector giant resonances in a self-consistent phonon coupling approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 292-297.	4.1	27
14	Spurious states and stability condition in extended RPA theories. , 2014, , .		2
15	Landau–Migdal vs. Skyrme. Nuclear Physics A, 2014, 928, 17-29.	1.5	12
16	Relativistic two-phonon model for the low-energy nuclear response. Physical Review C, 2013, 88, .	2.9	41
17	Subtraction method and stability condition in extended random-phase approximation theories. Physical Review C, 2013, 88, .	2.9	66
18	Microscopic Description of Nuclear Vibrations: Relativistic QRPA and Its Extensions with Quasiparticle-Vibration Coupling. , 2013, , 125-137.		1

#	Article	IF	Citations
19	Covariant density functional theory with two-phonon coupling in nuclei. , 2012, , .		1
20	Self-Consistent Calculations of the Electric Giant Dipole Resonances in Light and Heavy Nuclei. Physical Review Letters, 2012, 109, 092502.	7.8	32
21	Mode Coupling and the Pygmy Dipole Resonance in a Relativistic Two-Phonon Model. Physical Review Letters, 2010, 105, 022502.	7.8	88
22	Description of the giant monopole resonance in the even-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Sn</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>112</mml:mn><mml:mo>â€"</mml:mo><mml:mn>124</mml:mn></mml:mrow></mml:mmultiscripts></mml:	2.9	38
23	Relativistic quasiparticle time blocking approximation. II. Pygmy dipole resonance in neutron-rich nuclei. Physical Review C, 2009, 79, .	2.9	59
24	Low-lying dipole response in the relativistic quasiparticle time blocking approximation and its influence on neutron capture cross sections. Nuclear Physics A, 2009, 823, 26-37.	1.5	87
25	Self-consistent calculations within the Greenâ€™s function method including particle-phonon coupling and the single-particle continuum. European Physical Journal A, 2008, 37, 381-386.	2.5	8
26	Relativistic quasiparticle time blocking approximation: Dipole response of open-shell nuclei. Physical Review C, 2008, 78, .	2.9	122
27	Majorana spinors and extended Lorentz symmetry in four-dimensional theory. Classical and Quantum Gravity, 2008, 25, 105021.	4.0	1
28	QUASILOCAL DENSITY FUNCTIONAL THEORY FOR NUCLEI INCLUDING PAIRING CORRELATIONS. International Journal of Modern Physics E, 2007, 16, 249-262.	1.0	2
29	Particle-vibration coupling within covariant density functional theory. Physical Review C, 2007, 75, .	2.9	93
30	Quasiparticle time blocking approximation in coordinate space as a model for the damping of the giant dipole resonance. Physical Review C, 2007, 75, .	2.9	42
31	Extended theory of finite Fermi systems: Application to the collective and noncollectiveE1strength inPb208. Physical Review C, 2007, 75, .	2.9	18
32	Quasiparticle time blocking approximation within the framework of generalized Green function formalism. Physical Review C, 2007, 75, .	2.9	101
33	Microscopic description of the low lying and high lying electric dipole strength in stable Ca isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 647, 104-110.	4.1	21
34	Covariant response theory beyond RPA and its application. Physics of Atomic Nuclei, 2007, 70, 1380-1385.	0.4	0
35	Pygmy dipole resonance in stable Ca isotopes. Nuclear Physics A, 2007, 788, 159-164.	1.5	13
36	Dynamics of Exotic Nuclear Systems: Covariant QRPA and Extensions. Nuclear Physics A, 2007, 788, 194-201.	1.5	6

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37	Quasilocal density functional theory in nuclei and its extension to include pairing correlations. Physics of Atomic Nuclei, 2006, 69, 1207-1214.	0.4	1
38	Density matrix functional theory that includes pairing correlations. Physical Review C, 2006, 74, .	2.9	12
39	Nuclear incompressibility in the quasilocal density functional theory. Physical Review C, 2004, 69, .	2.9	11
40	A generalized Numerov method for linear second-order differential equations involving a first derivative term. Journal of Computational and Applied Mathematics, 2004, 170, 103-120.	2.0	7
41	Temperature generalization of the quasiparticle random-phase approximation with allowance for a continuum. Physics of Atomic Nuclei, 2003, 66, 558-564.	0.4	5
42	Quasilocal density functional theory and its application within the extended Thomas-Fermi approximation. Physical Review C, 2003, 67, .	2.9	35
43	Excitations of the unstable nuclei48Niand49Ni. Physical Review C, 2002, 66, .	2.9	2
44	Random phase approximation for odd nuclei and its application to the description of the electric dipole modes in17O. Physical Review C, 2001, 63, .	2.9	5
45	Continuum quasiparticle random-phase approximation description of isovectorE1giant resonances. Physical Review C, 1998, 58, 172-178.	2.9	36
46	The method of time-ordered graph decoupling and its application to the description of giant resonances in magic nuclei. Physics of Particles and Nuclei, 1997, 28, 134.	0.7	42
47	Microscopic description of the giant electric-dipole resonance in magic nuclei. Nuclear Physics A, 1993, 555, 90-108.	1.5	43
48	Calculations of E1 resonances in 40Ca,48Ca and 208Pb including 1p1h âŠ— phonon configurations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 267, 12-16.	4.1	8