

# Victor I Tselyaev

## List of Publications by Year in descending order

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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	Relativistic quasiparticle time blocking approximation: Dipole response of open-shell nuclei. Physical Review C, 2008, 78, .	2.9	122
2	Quasiparticle time blocking approximation within the framework of generalized Green function formalism. Physical Review C, 2007, 75, .	2.9	101
3	Particle-vibration coupling within covariant density functional theory. Physical Review C, 2007, 75, .	2.9	93
4	Mode Coupling and the Pygmy Dipole Resonance in a Relativistic Two-Phonon Model. Physical Review Letters, 2010, 105, 022502.	7.8	88
5	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
6	Subtraction method and stability condition in extended random-phase approximation theories. Physical Review C, 2013, 88, .	2.9	66
7	Relativistic quasiparticle time blocking approximation. II. Pygmy dipole resonance in neutron-rich nuclei. Physical Review C, 2009, 79, .	2.9	59
8	Microscopic description of the giant electric-dipole resonance in magic nuclei. Nuclear Physics A, 1993, 555, 90-108.	1.5	43
9	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
10	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
11	Relativistic two-phonon model for the low-energy nuclear response. Physical Review C, 2013, 88, .	2.9	41
12	Description of the giant monopole resonance in the even- $A$ nuclei. $A \sim 112 \hat{a}^{2/3}$	2.9	38
13	Continuum quasiparticle random-phase approximation description of isovector E1 giant resonances. Physical Review C, 1998, 58, 172-178.	2.9	36
14	QuasilocaI density functional theory and its application within the extended Thomas-Fermi approximation. Physical Review C, 2003, 67, .	2.9	35
15	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
16	Self-Consistent Calculations of the Electric Giant Dipole Resonances in Light and Heavy Nuclei. Physical Review Letters, 2012, 109, 092502.	7.8	32
17	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
18	Self-consistency in the phonon space of the particle-phonon coupling model. Physical Review C, 2018, 97, .	2.9	24

#	ARTICLE	IF	CITATIONS
19	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
20	Low-energy excitations in $^{208}\text{Pb}$ and the spin channel of the Skyrme energy-density functional. Physical Review C, 2019, 99, .	2.9	19
21	Extended theory of finite Fermi systems: Application to the collective and noncollective E1 strength in $^{208}\text{Pb}$ . Physical Review C, 2007, 75, .	2.9	18
22	Pygmy dipole resonance in stable Ca isotopes. Nuclear Physics A, 2007, 788, 159-164.	1.5	13
23	Density matrix functional theory that includes pairing correlations. Physical Review C, 2006, 74, .	2.9	12
24	Landau-Migdal vs. Skyrme. Nuclear Physics A, 2014, 928, 17-29.	1.5	12
25	The phonon-coupling model for Skyrme forces. Physics of Atomic Nuclei, 2016, 79, 868-884.	0.4	12
26	Nuclear incompressibility in the quasiloca density functional theory. Physical Review C, 2004, 69, .	2.9	11
27	Excitation spectra of exotic nuclei in a self-consistent phonon-coupling model. Physical Review C, 2018, 98, .	2.9	11
28	resonance in $^{208}\text{Pb}$ within the self-consistent phonon-coupling model. Physical Review C, 2020, 102, .	2.9	10
29	Optimizing phonon space in the phonon-coupling model. Physical Review C, 2017, 96, .	2.9	9
30	Calculations of E1 resonances in $^{40}\text{Ca}$ , $^{48}\text{Ca}$ and $^{208}\text{Pb}$ including $1p1h$ phonon configurations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 267, 12-16.	4.1	8
31	Self-consistent calculations within the Green's function method including particle-phonon coupling and the single-particle continuum. European Physical Journal A, 2008, 37, 381-386.	2.5	8
32	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
33	Fine Structure and Collectivity of the Levels of the Pygmy Dipole Resonance in $^{208}\text{Pb}$ in a Self-Consistent Model. JETP Letters, 2018, 107, 659-664.	1.4	7
34	Dynamics of Exotic Nuclear Systems: Covariant QRPA and Extensions. Nuclear Physics A, 2007, 788, 194-201.	1.5	6
35	Random phase approximation for odd nuclei and its application to the description of the electric dipole modes in $^{17}\text{O}$ . Physical Review C, 2001, 63, .	2.9	5
36	Temperature generalization of the quasiparticle random-phase approximation with allowance for a continuum. Physics of Atomic Nuclei, 2003, 66, 558-564.	0.4	5

#	ARTICLE	IF	CITATIONS
37	Radiative strength function and the pygmy dipole resonance in $^{208}\text{Pb}$ and $^{70}\text{Ni}$ . JETP Letters, 2016, 104, 374-379.	1.4	4
38	Generalized Skyrme random-phase approximation for nuclear resonances: Different trends for electric and magnetic modes. Physical Review C, 2020, 102, .	2.9	4
39	Excitations of the unstable nuclei $^{48}\text{Ni}$ and $^{49}\text{Ni}$ . Physical Review C, 2002, 66, .	2.9	2
40	QUASILocal DENSITY FUNCTIONAL THEORY FOR NUCLEI INCLUDING PAIRING CORRELATIONS. International Journal of Modern Physics E, 2007, 16, 249-262.	1.0	2
41	Spurious states and stability condition in extended RPA theories. , 2014, , .		2
42	QuasilocaL density functional theory in nuclei and its extension to include pairing correlations. Physics of Atomic Nuclei, 2006, 69, 1207-1214.	0.4	1
43	Majorana spinors and extended Lorentz symmetry in four-dimensional theory. Classical and Quantum Gravity, 2008, 25, 105021.	4.0	1
44	Covariant density functional theory with two-phonon coupling in nuclei. , 2012, , .		1
45	Microscopic Description of Nuclear Vibrations: Relativistic QRPA and Its Extensions with Quasiparticle-Vibration Coupling. , 2013, , 125-137.		1
46	Microscopic calculations of the characteristics of radiative nuclear reactions for double-magic nuclei. EPJ Web of Conferences, 2016, 107, 05005.	0.3	1
47	Self-consistent description of high-spin states in doubly magic $^{208}\text{Pb}$ . Physical Review C, 2022, 105, .	2.9	1
48	Covariant response theory beyond RPA and its application. Physics of Atomic Nuclei, 2007, 70, 1380-1385.	0.4	0