

Elena Litvinova

List of Publications by Year in descending order

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papers

659
citations

516710

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552781

26
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35
all docs

35
docs citations

35
times ranked

361
citing authors

#	ARTICLE	IF	CITATIONS
1	Mode Coupling and the Pygmy Dipole Resonance in a Relativistic Two-Phonon Model. Physical Review Letters, 2010, 105, 022502.	7.8	88
2	Nuclear structure of lowest 2^+ Th states and time-dependent fundamental constants. Physical Review C, 2009, 79, .	2.9	53
3	Quasiparticle-vibration coupling in a relativistic framework: Shell structure of 2^+ isotopes. Physical Review C, 2012, 85, .	2.9	52
4	Low-energy limit of the radiative dipole strength in nuclei. Physical Review C, 2013, 88, .	2.9	51
5	Nuclear response theory for spin-isospin excitations in a relativistic quasiparticle-phonon coupling framework. European Physical Journal A, 2016, 52, 1.	2.5	46
6	Relativistic two-phonon model for the low-energy nuclear response. Physical Review C, 2013, 88, .	2.9	41
7	Time-Reversed Particle-Vibration Loops and Nuclear Gamow-Teller Response. Physical Review Letters, 2019, 123, 202501.	7.8	35
8	Electric dipole response of neutron-rich calcium isotopes in relativistic quasiparticle time blocking approximation. Physical Review C, 2016, 94, .	2.9	33
9	Toward an accurate strongly coupled many-body theory within the equation-of-motion framework. Physical Review C, 2019, 100, .	2.9	30
10	Coupling charge-exchange vibrations to nucleons in a relativistic framework: Effect on Gamow-Teller transitions and β^- -decay half-lives. Physical Review C, 2018, 98, .	2.9	28
11	Nuclear response theory with multiphonon coupling in a covariant framework. Physical Review C, 2015, 91, .	2.9	27
12	Finite-Temperature Relativistic Nuclear Field Theory: An Application to the Dipole Response. Physical Review Letters, 2018, 121, 082501.	7.8	25
13	Pion nucleon correlations in finite nuclei in a relativistic framework: Effects on the shell structure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 138-144.	4.1	20
14	Temperature dependence of nuclear spin-isospin response and beta decay in hot astrophysical environments. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135134.	4.1	19
15	Impact of complex many-body correlations on electron capture in thermally excited nuclei around ^{78}Ni . Physical Review C, 2021, 103, .	2.9	18
16	Spin-orbit splittings of neutron states in ^{20}N from covariant density functionals and their extensions. Physical Review C, 2017, 95, .	2.9	17
17	Nuclear dipole response in the finite-temperature relativistic time-blocking approximation. Physical Review C, 2019, 100, .	2.9	15
18	Nuclear response in a finite-temperature relativistic framework. European Physical Journal A, 2019, 55, 1.	2.5	14

#	ARTICLE	IF	CITATIONS
19	Many-body correlations in nuclear superfluidity. <i>Physical Review C</i> , 2020, 102, .	2.9	11
20	Soft modes in the proton-neutron pairing channel as precursors of deuteron condensate in N=Z nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 776, 72-77.	4.1	9
21	Many-body approach to superfluid nuclei in axial geometry. <i>Physical Review C</i> , 2022, 105, .	2.9	7
22	Many-body theory for quasiparticle states in superfluid fermionic systems. <i>Physical Review C</i> , 2021, 104, .	2.9	6
23	Nuclear shell structure and response with quasiparticle-vibration coupling. <i>International Review of Nuclear Physics</i> , 2016, , 469-516.	1.0	3
24	Temperature evolution of the nuclear shell structure and the dynamical nucleon effective mass. <i>Physical Review C</i> , 2020, 102, .	2.9	3
25	Nuclear superfluidity at finite temperature. <i>Physical Review C</i> , 2021, 104, .	2.9	3
26	Quasiparticle-vibration coupling effects on nuclear transitions of astrophysical interest. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
27	Microscopic Description of Nuclear Vibrations: Relativistic QRPA and Its Extensions with Quasiparticle-Vibration Coupling. , 2013, , 125-137.		1
28	Isospin dynamics in nuclear structure. <i>EPJ Web of Conferences</i> , 2018, 182, 02075.	0.3	1
29	Beyond-mean-field calculations of allowed and first-forbidden β^+ decays of β^+ -process waiting-point nuclei. <i>EPJ Web of Conferences</i> , 2022, 260, 03002.	0.3	1
30	Electric dipole response in ^{120}Sn . <i>Journal of Physics: Conference Series</i> , 2011, 312, 092029.	0.4	0
31	Covariant Density Functional Theory for Excited States in Nuclei. <i>Journal of Physics: Conference Series</i> , 2011, 321, 012022.	0.4	0
32	Impact of pion dynamics on nuclear shell structure. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
33	Isospin transfer modes in exotic nuclei. <i>EPJ Web of Conferences</i> , 2015, 93, 01019.	0.3	0
34	Variation of fundamental constants and ^{229}Th . , 2017, , .		0
35	Nuclear response at zero and finite temperature. <i>EPJ Web of Conferences</i> , 2019, 223, 01033.	0.3	0