Andrea Vitturi

List of Publications by Year
in descending order

225 papers	3,388 citations	136950 32 h-index	197818 49 g-index
227 all docs	227 docs citations	227 times ranked	1145 citing authors

#	Article	IF	Citations
1	Role of breakup processes in fusion enhancement of drip-line nuclei at energies below the Coulomb barrier. Physical Review C, 2000, 61, .	2.9	171
2	Pairing correlations of nucleons and multi-nucleon transfer between heavy nuclei. Reports on Progress in Physics, 2001, 64, 1247-1337.	20.1	158
3	Exclusive breakup of6Liby208Pbat Coulomb barrier energies. Physical Review C, 2003, 67, .	2.9	107
4	Signatures of the Giant Pairing Vibration in the 14C and 15C atomic nuclei. Nature Communications, 2015, 6, 6743.	12.8	86
5	Analytically solvable potentials for Â-unstable nuclei. Journal of Physics G: Nuclear and Particle Physics, 2003, 29, 1341-1349.	3.6	84
6	Effect of large neutron excess on the dipole response in the region of the giant dipole resonance. Nuclear Physics A, 1997, 624, 449-458.	1.5	76
7	Unusual near-threshold potential behavior for the weakly bound nucleus9Bein elastic scattering from209Bi. Physical Review C, 2000, 61, .	2.9	75
8	U(5)-O(6) transition in the interacting boson model and theE(5)critical point symmetry. Physical Review C, 2003, 68, .	2.9	71
9	Systematic analysis of heavy-ion reaction data in terms of an eikonal approach: Elastic and inelastic scattering. Physical Review C, 1989, 40, 2114-2123.	2.9	68
10	Nilsson and Interacting-Boson-Model Pictures of Deformed Nuclei. Physical Review Letters, 1982, 48, 1001-1004.	7.8	65
11	New analytic solutions of the collective Bohr Hamiltonian for a Â-soft, Â-soft axial rotor. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, 627-635.	3.6	65
12	Modified Glauber model for the description of elastic scattering between heavy ions. Physical Review C, 1987, 36, 1404-1407.	2.9	63
13	Relation between pairing correlations and two-particle space correlations. Physical Review C, 1984, 29, 1091-1094.	2.9	60
14	Two-neutron transfer analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none		

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19	Critical-Point Symmetries in Boson-Fermion Systems: The Case of Shape Transitions in Odd Nuclei in a Multiorbit Model. Physical Review Letters, 2007, 98, 052501.	7.8	48
20	Coulomb- and nuclear-induced break-up of halo nuclei at bombarding energies around the Coulomb barrier. Nuclear Physics A, 1996, 597, 473-486.	1.5	45
21	High-spin states in the odd-oddN=Znucleus50Mn. Physical Review C, 1998, 58, R2621-R2625.	2.9	45
22	Shape phase transition in odd nuclei in a multi-jmodel: TheUB(6)âŠ—UF(12)case. Physical Review C, 2007, 75, .	2.9	44
23	Macroscopic description of pair transfer in heavy-ion collisions with deformed nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 179, 337-341.	4.1	43
24	Excitations of pygmy dipole resonances in exotic and stable nuclei via Coulomb and nuclear fields. Physical Review C, 2011, 84, .	2.9	43
25	Microscopic structure of monopole and quadrupole bosons. Nuclear Physics A, 1983, 397, 102-114.	1.5	42
26	Phase transitions in the interacting boson fermion model: The Î³-unstable case. Physical Review C, 2005, 72, .	2.9	39
27	Dominance of nuclear processes in the dissociation of 8B. Nuclear Physics A, 1998, 639, 635-653.	1.5	38
28	Reaction dynamics for the system<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">F</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>17</mml:mn></mml:mrow></mml:mmultiscripts><mml:mrow><mml:mo>+</mml:mo></mml:mrow><mml:mi mathvariant="normal">Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>58</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>at near-barrier	2.9	38
29	First measurement of the isoscalar excitation above the neutron emission threshold of the Pygmy Dipole Resonance in 68Ni. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 112-116.	4.1	38
30	Collective transition densities in neutron-rich nuclei. Nuclear Physics A, 1997, 614, 86-94.	1.5	36
31	Isospin mixing in proton-richNâ‰ƒZnuclei. Physical Review C, 1995, 52, R1175-R1178.	2.9	34
32	The electron screening puzzle and nuclear clustering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 275-278.	4.1	34
33	Excitation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mn>1</mml:mn><mml:mo>a</mml:mo></mml:msup></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:math>states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>90</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>populated via th	2.9	33
34	Absolute cross sections of two-nucleon transfer reactions induced by heavy ions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 162, 59-65.	4.1	29
35	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mi mathvariant="normal">U</mml:mi><mml:mrow><mml:mi mathvariant="italic">BF</mml:mi></mml:mrow></mml:msup><mml:mo stretchy="false">(</mml:mo><mml:mn>5</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 87 Td (stretchy="false">	2.9	27
36	Projectile breakup in the reaction11Be+208Pb. Physical Review C, 1999, 59, 539-541.	2.9	26

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37	Shape-phase transitions and two-particle transfer intensities. Physical Review C, 2007, 76, .	2.9	26
38	Nuclear field theory treatment of complex nuclear spectra. Nuclear Physics A, 1980, 348, 237-260.	1.5	25
39	Shape phase transition in odd-even nuclei: From spherical to deformed<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î³</mml:mi></mml:mrow></mml:math>-unstable shapes. Physical Review C, 2010, 82, .	2.9	25
40	Phase diagram for a cubic-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math>interacting boson model Hamiltonian: Signs of triaxiality. Physical Review C, 2011, 84, .	2.9	25
41	Reconstructing the nuclear profile in gauge space. Physical Review Letters, 1987, 59, 634-637.	7.8	23
42	Description of inelastic scattering between heavy ions in the Glauber model. Physical Review C, 1988, 38, 2086-2093.	2.9	23
43	Description of octupole-deformed nuclei within the interacting boson and interacting boson-fermion models. Nuclear Physics A, 1995, 586, 100-124.	1.5	22
44	Pair-transfer probability in open- and closed-shell Sn isotopes. Physical Review C, 2012, 85, .	2.9	22
45	Investigating nuclear pairing correlations via microscopic two-particle transfer reactions: The cases of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Sn</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>112</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>32</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>	2.9	21
46	Multi-messenger investigation of the Pygmy Dipole Resonance in 140Ce. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 16-20.	4.1	21
47	Test of the validity of the SD truncation for deformed systems. Nuclear Physics A, 1983, 404, 333-344.	1.5	20
48	Heavy-ion inelastic scattering in a multiphonon excitation model. Nuclear Physics A, 1987, 471, 661-672.	1.5	20
49	Low-energy extensions of the eikonal approximation to heavy-ion scattering. Physical Review C, 1997, 56, 1511-1515.	2.9	20
50	The continuous spectrum and the excitation of giant resonances in the reaction 16O + 208Pb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1979, 89, 22-25.	4.1	19
51	Role of high multipole pairs in the description of deformed nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 123, 375-378.	4.1	18
52	On the radial dependence of the pair transition density in superfluid nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 169, 5-8.	4.1	18
53	Electric and magnetic response to the continuum for A = 7 isobars in a dicluster model. European Physical Journal A, 2009, 39, 107-116.	2.5	18
54	Microscopic description of Î²-band in the collective pair approximation. Nuclear Physics A, 1983, 411, 181-194.	1.5	17

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55	Mechanism for double-charge exchange in heavy ion reactions. Physical Review C, 1986, 34, 743-745.	2.9	17
56	The potential of the loosely bound 9Be from 209Bi elastic scattering: unusual behaviour at near threshold energy. Nuclear Physics A, 2002, 701, 23-28.	1.5	17
57	Probing the17F+ppotential by elastic scattering at near-barrier energies. Physical Review C, 2012, 85, .	2.9	17
58	Exploring two-neutron halo formation in the ground state of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">F</mml:mi><mml:mprescripts /><mml:none /><mml:mn>29</mml:mn></mml:mmultiscripts></mml:math> within a three-body model. Physical Review C, 2020, 101, .	2.9	17
59	The nucleus as a condensate of monopole and quadrupole pairing vibrations. Nuclear Physics A, 1982, 375, 217-237.	1.5	16
60	Two-and four-particle surface clusterization in heavy deformed nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 149, 41-44.	4.1	16
61	Microscopic nuclear form factors for the pygmy dipole resonance. Physical Review C, 2015, 91, .	2.9	16
62	Fission of ionized alkali metal clusters. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1990, 17, 57-60.	1.0	15
63	Intrinsic frame description of interacting boson-fermion systems. Nuclear Physics A, 1992, 539, 59-74.	1.5	15
64	Electromagnetic response and breakup of light weakly bound nuclei in a dicluster model. European Physical Journal A, 2005, 26, 33-40.	2.5	15
65	Electric multipole response of the halo nucleus 6He. European Physical Journal A, 2016, 52, 1.	2.5	15
66	Probing the pairing vibrational modes of the zr isotopes in two- and four-nucleon transfer reactions. Nuclear Physics A, 1981, 372, 237-252.	1.5	14
67	Study of negative-parity bands in a collective pair approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 180, 1-3.	4.1	14
68	Multichannel approach to the Glauber model for heavy-ion collisions. Physical Review C, 1990, 42, 2079-2092.	2.9	14
69	Pairing in the continuum: The quadrupole response of the Borromean nucleus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">He</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2014, 90, .	2.9	14
70	Excitation of giant resonances in intermediate energy heavy-ion reactions. Nuclear Physics A, 1980, 345, 263-277.	1.5	13
71	Role of nuclear couplings in the inelastic excitation of weakly bound neutron-rich nuclei. Nuclear Physics A, 1996, 611, 124-138.	1.5	13
72	Intrinsic structure of two-phonon states in the interacting boson model. Nuclear Physics A, 1998, 637, 529-546.	1.5	13

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73	Analysis of (6Li, d) and (d, 6Li) reactions in the nickel and tin regions. Nuclear Physics A, 1980, 340, 183-204.	1.5	12
74	Elastic transfer between similar nuclei. Nuclear Physics A, 1986, 458, 157-164.	1.5	12
75	Heavy-ion optical and polarization potentials at intermediate energies in a Glauber model. Nuclear Physics A, 1992, 536, 168-178.	1.5	12
76	Two-neutron halo nuclei in one dimension: dineutron correlation and breakup reaction. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 015105.	3.6	12
77	Nature of low-lying electric dipole resonance excitations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ge</mml:mi><mml:mprescripts /><mml:none /><mml:mn>74</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2016, 94, .	2.9	12
78	The 29F nucleus as a lighthouse on the coast of the island of inversion. Communications Physics, 2020, 3, .	5.3	12
79	Spatial correlation of pairing modes in nuclei at finite temperature. Physical Review C, 1989, 40, 1791-1797.	2.9	11
80	O17+Ni58scattering and reaction dynamics around the Coulomb barrier. Physical Review C, 2016, 94, .	2.9	11
81	Study of the 90Zr(p,Î±)87Y reaction at 22 MeV. European Physical Journal A, 1998, 1, 365-378.	2.5	10
82	Target-mass dependence of the break-up of halo nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 65-69.	4.1	10
83	Electromagnetic selection rules in the triangularÎ±-cluster model of¹²C. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 085104.	3.6	10
84	Homologous states and the structure of nuclei in the lead region. Physical Review C, 1997, 55, 2395-2406.	2.9	9
85	Enhanced excitation of giant pairing vibrations in heavy-ion reactions induced by weakly bound projectiles. European Physical Journal A, 2002, 14, 37-42.	2.5	9
86	Role of the continuum in reactions with weakly bound systems: A comparative study between the time evolution of a break-up wave function and its coupled-channel approximation. Physical Review C, 2009, 79, .	2.9	9
87	Excitation of pygmy dipole resonance in neutron-rich nuclei via Coulomb and nuclear fields. Pramana - Journal of Physics, 2010, 75, 73-80.	1.8	9
88	Transition densities and form factors in the triangular <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -cluster model of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mn>12</mml:mn></mml:mmultiscripts></mml:math> with application to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathv	2.9	9
89	A method for the analytic continuation of theS-matrix for cut-off potentials. Il Nuovo Cimento A, 1973, 14, 827-849.	0.2	8
90	Particle-pairing vibration coupling description of strongly anharmonic odd-A spectra. Nuclear Physics A, 1982, 376, 45-60.	1.5	8

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91	Macroscopic Approach to Pair Transition Density in Well-Deformed Nuclei. Europhysics Letters, 1987, 3, 289-292.	2.0	8
92	Collective description of two-nucleon transfer reactions in heavy-ion collisions. Nuclear Physics A, 1991, 524, 95-120.	1.5	8
93	Coulomb and nuclear excitation in intermediate-energy heavy-ion collisions. Physical Review C, 1994, 49, 1635-1651.	2.9	8
94	Structure of the 89Zr via the high-resolution 91Zr(p,t)89Zr reaction and shell-model calculations. Nuclear Physics A, 2002, 697, 611-629.	1.5	8
95	Treatment of continuum in weakly bound systems in structure and reactions. Nuclear Physics A, 2010, 834, 428c-431c.	1.5	8
96	Scattering of 17F nuclei from a 58Ni target at energies around the Coulomb barrier. Nuclear Physics A, 2010, 834, 488c-490c.	1.5	8
97	Enhanced subbarrier fusion for proton halo nuclei. Physical Review C, 2014, 89, .	2.9	8
98	Review of Shape Phase Transition Studies for Bose-Fermi Systems: The Effect of the Odd-Particle on the Bosonic Core. Symmetry, 2021, 13, 215.	2.2	8
99	Inclusive inelastic scattering with light projectiles and the giant resonances background. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1979, 87, 15-17.	4.1	7
100	Description of the even samarium isotopes in the collective pair approximation. Physical Review C, 1984, 29, 1916-1918.	2.9	7
101	Collision of almost identical nuclei: fusion cross sections and barrier distributions. Nuclear Physics A, 1995, 591, 341-348.	1.5	7
102	Excitation of isovector modes in very neutron-rich nuclei via heavy-ion isoscalar probes. Nuclear Physics A, 1997, 627, 349-360.	1.5	7
103	Excitation of 6 Li above the breakup threshold in the 6 Li + 208 Pb system around the Coulomb barrier. European Physical Journal A, 2003, 18, 583-587.	2.5	7
104	One-particle spectroscopic intensities as a signature of shape phase transition: The Î³-unstable case. Physical Review C, 2006, 74, .	2.9	7
105	Isovector pairing in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>s</mml:mi><mml:mi>d</mml:mi></mml:mrow></mml:ma -shell nuclei via <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mm	2.9	7
106	The Giant Pairing Vibration in heavy nuclei. European Physical Journal A, 2019, 55, 1.	2.5	7
107	The alpha-transfer reactions and the pairing vibrational model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1978, 79, 351-355.	4.1	6
108	Microscopic analysis of the12C(6Li,d)16O reaction. Zeitschrift FÃ¼r Physik A, 1981, 301, 209-213.	1.4	6

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109	Comparison of truncated shell model calculations in the laboratory and intrinsic systems. Physical Review C, 1985, 32, 634-636.	2.9	6
110	Semiclassical description of multipair transfer processes in heavy ion collisions with superfluid systems. Nuclear Physics A, 1987, 474, 240-252.	1.5	6
111	Semiclassical analysis of two-particle elastic transfer. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 191, 237-239.	4.1	6
112	Test for static octupole deformations in the actinide region through subbarrier fusion processes. Journal of Physics G: Nuclear and Particle Physics, 1989, 15, L191-L194.	3.6	6
113	Prompt emission of dipole radiation in nuclear reactions with radioactive beams. European Physical Journal A, 2001, 12, 279-284.	2.5	6
114	Coupling of dipole mode to -unstable quadrupole oscillations. Nuclear Physics A, 2001, 679, 359-372.	1.5	6
115	Population of mixed-symmetry states via<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi></mml:mrow></mml:math>transfer reactions. Physical Review C, 2008, 78, .	2.9	6
116	Giant and Pygmy Dipole Resonances in neutron-rich nuclei: their excitation via Coulomb and nuclear fields. Journal of Physics: Conference Series, 2011, 267, 012006.	0.4	6
117	Pairing interaction and reaction mechanism for one- and two-particle transfer reactions: A simple model in one dimension. AIP Conference Proceedings, 2015, , .	0.4	6
118	Two particle transfer reactions: the search for the Giant Pairing Vibration. Journal of Physics: Conference Series, 2015, 580, 012018.	0.4	6
119	Two-Neutron Correlations in a Borromean $$varvec{^{20}mathrm{C}+n+n}$$ System: Sensitivity of Unbound Subsystems. Few-Body Systems, 2019, 60, 1.	1.5	6
120	Role of continuum in nuclear direct reactions with one-neutron halo nuclei: A one-dimensional model. Physical Review C, 2021, 103, .	2.9	6
121	Test of the microscopic foundation of the interacting boson model for deformed nuclei. Progress in Particle and Nuclear Physics, 1983, 9, 87-99.	14.4	5
122	On the boson mapping of fermion collective pairs. Nuclear Physics A, 1984, 430, 158-174.	1.5	5
123	Probing the Nuclear Response with One- and Two-Nucleon Pick-Up Reactions. Physica Scripta, 1986, 34, 678-681.	2.5	5
124	Quadrupole moments and E2 transitions in the O(6) limit of the IBM. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 212, 1-5.	4.1	5
125	Tunneling phenomena in the presence of kinematically forbidden channels. Physical Review A, 1991, 44, 4743-4746.	2.5	5
126	Algebraic description of multistep processes in very-heavy ion reactions. Nuclear Physics A, 1992, 540, 261-274.	1.5	5

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127	Range of validity of the eikonal approximation within the coupled-channel description of heavy-ion scattering processes. Zeitschrift FÃ¼r Physik A, 1995, 352, 303-313.	0.9	5
128	Ion-ion potential for neutron-rich radioactive beams. Nuclear Physics A, 1995, 587, 390-400.	1.5	5
129	Cranking approach to the interacting boson model: the behaviour of the intrinsic state with angular momentum. Nuclear Physics A, 1996, 604, 53-68.	1.5	5
130	On the excitation of double giant resonances in heavy ion reactions. Nuclear Physics A, 2003, 724, 85-98.	1.5	5
131	Heavy-ion reactions with weakly-bound systems: a simple model. Nuclear Physics A, 2007, 787, 476-483.	1.5	5
132	Coherent state approach to the interacting boson model: Test of its validity in the transitional region. Physical Review C, 2009, 80, .	2.9	5
133	ODD NUCLEI AND SHAPE PHASE TRANSITIONS: THE ROLE OF THE UNPAIRED FERMION. International Journal of Modern Physics E, 2011, 20, 207-212.	1.0	5
134	Quantum phase transitions in odd-A nuclei: The effect of the odd particle from spherical to oblate shapes. Journal of Physics: Conference Series, 2015, 580, 012047.	0.4	5
135	Electromagnetic Selection Rules for $$varvec{^{12}}$$ 12 C in a 3 $$varvec{alpha }$$ Î± Cluster Model. Few-Body Systems, 2017, 58, 1.	1.5	5
136	Odd deformed nuclei with $gamma$ Î³ -instability. European Physical Journal Plus, 2019, 134, 1.	2.6	5
137	Energy power expansion of the green function and PadÃ© approximation for cut-off potentials. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1972, 4, 105-109.	0.4	4
138	An integral equation method for the analytic continuation of theS-matrix. Il Nuovo Cimento A, 1973, 16, 462-472.	0.2	4
139	Microscopic form factors for inelastic excitation of isovector modes in heavy-ion reactions. Nuclear Physics A, 1982, 378, 100-110.	1.5	4
140	Value of the absolute cross section for the reaction 40Ca(16O, 12C)44Ti. Nuclear Physics A, 1983, 404, 167-178.	1.5	4
141	Excitation of collective modes in neutron-rich nuclei. Journal of Physics G: Nuclear and Particle Physics, 1998, 24, 1439-1444.	3.6	4
142	6Li breakup from 208Pb target at Coulomb barrier energies: doorway to reaction mechanism induced by loosely bound/halo nuclei. Nuclear Physics A, 2004, 746, 497-500.	1.5	4
143	Lifetime measurements in the transitional nucleus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>138</mml:mn></mml:msup></mml:math>Gd. Physical Review C, 2011, 84, .	2.9	4
144	Two-Particle Transfer and Pairing Correlations: Interplay of Reaction Mechanism and Structure Properties. Progress of Theoretical Physics Supplement, 2012, 196, 72-86.	0.1	4

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145	Continuum discretised BCS approach for weakly bound nuclei. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 085103.	3.6	4
146	A general framework for nuclear-resonance theories in terms of the bloch formalism. Il Nuovo Cimento A, 1974, 21, 723-742.	0.2	3
147	Direct versus sequential four-particle transfer in heavy ion collisions with superfluid nuclei: Sn+Sn reaction. Physical Review C, 1988, 37, 1774-1777.	2.9	3
148	One-particle transfer operator in the interacting boson-fermion model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 222, 317-323.	4.1	3
149	Multipair transfer processes in heavy-ion collisions at intermediate energies. Physical Review C, 1991, 44, 2670-2675.	2.9	3
150	Excitation patterns of Î³-unstable nuclei. Nuclear Physics A, 1992, 536, 179-200.	1.5	3
151	Surface interaction between atomic clusters. Physical Review B, 1993, 48, 2699-2703.	3.2	3
152	Excitation of the GDR and the compressional isoscalar dipole state by scattering. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 11-16.	3.6	3
153	Charge exchange reactions in the Glauber approximation. Physical Review C, 1999, 59, 2297-2300.	2.9	3
154	Excitation of collective modes in neutron-rich and in weakly-bound nuclei. Nuclear Physics A, 2003, 722, C85-C91.	1.5	3
155	Relativistic Coulomb excitation of the giant dipole resonance in nuclei: A straightforward approach. Physical Review C, 2004, 70, .	2.9	3
156	Treatment of Continuum in Weakly Bound Systems in Structure and Reactions. , 2009, , .		3
157	Quantum shape phase transitions from spherical to deformed for Bose-Fermi systems: the effect of the odd particle around the critical point. EPJ Web of Conferences, 2014, 66, 02014.	0.3	3
158	Nuclear fusion as a probe for octupole deformation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ra</mml:mi><mml:mprescripts /><mml:none /><mml:mn>224</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2015, 92, .	2.9	3
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