

# Danilo Gambacurta

## List of Publications by Year in descending order

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59  
papers

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citations

471509

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552781

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docs citations

59  
times ranked

458  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-lying dipole response in the stable $^{40}\text{Ca}$ nuclei with the second random-phase approximation. Physical Review C, 2011, 84, .	2.9	60
2	Collective nuclear excitations with Skyrme-second random-phase approximation. Physical Review C, 2010, 81, .	2.9	56
3	Subtraction method in the second random-phase approximation: First applications with a Skyrme energy functional. Physical Review C, 2015, 92, .	2.9	51
4	Multiphonon excitations and pygmy resonances in tin isotopes. Physical Review C, 2009, 79, .	2.9	45
5	Excitations of pygmy dipole resonances in exotic and stable nuclei via Coulomb and nuclear fields. Physical Review C, 2011, 84, .	2.9	43
6	Second random-phase approximation with the Gogny force: First applications. Physical Review C, 2012, 86, .	2.9	31
7	Residual interaction in second random-phase approximation with density-dependent forces: rearrangement terms. Journal of Physics C: Nuclear and Particle Physics, 2011, 38, 035103.	3.6	30
8	Proton-neutron pairing in $N = Z$ nuclei: Quartetting versus pair condensation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 348-351.	4.1	30
9	Pairing and specific heat in hot nuclei. Physical Review C, 2013, 88, .	2.9	27
10	Determination of local energy density functionals from Brueckner-Hartree-Fock calculations. Physical Review C, 2011, 84, .	2.9	23
11	Electric dipole strength and dipole polarizability in $^{48}\text{Ca}$ within a fully self-consistent second random-phase approximation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 163-168.	4.1	23
12	Quantal corrections to mean-field dynamics including pairing. Physical Review C, 2013, 87, .	2.9	22
13	Gamow-Teller Strength in $^{48}\text{Ca}$ and $^{48}\text{Ni}$	7.8	22
14	Nuclear Matrix Elements for Heavy Ion Sequential Double Charge Exchange Reactions. Universe, 2021, 7, 98.	2.5	20
15	Projected quasiparticle perturbation theory. Physical Review C, 2012, 86, .	2.9	18
16	Effects of deformation on the coexistence between neutron-proton and particle-like pairing in $N < Z$ nuclei. Physical Review C, 2015, 91, .	2.9	18
17	Combining symmetry breaking and restoration with configuration interaction: A highly accurate many-body scheme applied to the pairing Hamiltonian. Physical Review C, 2017, 95, .	2.9	17
18	Extension of the second random-phase approximation. Physical Review C, 2006, 73, .	2.9	16

#	ARTICLE	IF	CITATIONS
19	Second random phase approximation studies in metallic clusters. Physical Review B, 2009, 79, .	3.2	15
20	Thermodynamical properties of small superconductors with a fixed number of particles. Physical Review C, 2012, 85, .	2.9	15
21	Second RPA calculations with the Skyrme and Gogny interactions. European Physical Journal A, 2016, 52, 1.	2.5	14
22	Isovector and isoscalar proton-neutron pairing in $N > Z$ nuclei. Physical Review C, 2018, 98, .	2.9	13
23	Particle-hole excitations within a self-consistent random-phase approximation. Physical Review B, 2008, 77, .	3.2	12
24	Iterative variational approach to finite many-body systems. Physical Review B, 2011, 83, .	3.2	11
25	Beyond-mean-field effects on the symmetry energy and its slope from the low-lying dipole response of Ni68. Physical Review C, 2020, 101, .	2.9	11
26	Nuclear excitations as coupled one and two random-phase-approximation modes. Physical Review C, 2016, 93, .	2.9	10
27	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
28	Extended second random phase approximation applied to metallic clusters. Physical Review B, 2010, 81, .	3.2	9
29	Description of two-particle transfer in superfluid systems. Physical Review C, 2012, 86, .	2.9	9
30	Beyond-mean-field effective masses in the nuclear Fermi liquid from axial breathing modes. Physical Review C, 2018, 98, .	2.9	9
31	Systematic study of giant quadrupole resonances with the subtracted second random-phase approximation: Beyond-mean-field centroids and fragmentation. Physical Review C, 2018, 98, .	2.9	9
32	Self-consistent extension of random-phase approximation enlarged beyond particle-hole configurations. Physical Review C, 2009, 80, .	2.9	8
33	Solvable many-level pairing model in a boson formalism. Physical Review C, 2006, 73, .	2.9	7
34	Configuration interaction study of single and double dipole plasmon excitations in Na8. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 349, 345-349.	2.1	6
35	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
36	The Landau-Migdal parameters from the Brueckner theory. Physics of Atomic Nuclei, 2011, 74, 1424-1434.	0.4	5

#	ARTICLE	IF	CITATIONS
37	Isovector and isoscalar pairing in odd-odd $N = Z$ nuclei within a quartet approach. Progress of Theoretical and Experimental Physics, 2017, 2017, .	6.6	5
38	Quenching of Gamow-Teller strengths and two-particle-two-hole configurations. Physical Review C, 2022, 105, .	2.9	5
39	Collective excitations in metallic clusters within the second random phase approximation. Journal of Physics: Conference Series, 2009, 168, 012012.	0.4	4
40	Nuclear pairing correlations within and beyond HFB-BCS models. Journal of Physics: Conference Series, 2015, 580, 012054.	0.4	4
41	Soft breathing modes in neutron-rich nuclei with the subtracted second random-phase approximation. Physical Review C, 2019, 100, .	2.9	4
42	On the nature of the Dipole Pygmy Resonance. , 2011, , .		1
43	Proton-neutron pairing and binding energies of nuclei close to the $N \approx Z$ line. Physical Review C, 2022, 105, .		
44	Pairing correlations in finite nuclear systems. Physics of Atomic Nuclei, 2004, 67, 1776-1780.	0.4	0
45	Bosonic Treatment of Pairing Correlations in a Solvable Many-Level Model. AIP Conference Proceedings, 2005, , .	0.4	0
46	Pygmy resonances in Sn isotopes within a microscopic multiphonon approach. Journal of Physics: Conference Series, 2009, 168, 012014.	0.4	0
47	COLLECTIVE MODES WITHIN SKYRME-SECOND RPA. Modern Physics Letters A, 2010, 25, 1919-1922.	1.2	0
48	Skyrme second random-phase approximation description of low-lying dipole states in $^{48}\text{Ca}$ isotope. Journal of Physics: Conference Series, 2011, 336, 012011.	0.4	0
49	Second RPA with Skyrme Interaction. Journal of Physics: Conference Series, 2011, 267, 012052.	0.4	0
50	Collective excitations in Random Phase Approximation and beyond. Journal of Physics: Conference Series, 2011, 267, 012047.	0.4	0
51	Low-lying dipole response in the stable $^{40,48}\text{Ca}$ nuclei within the second random-phase approximation. , 2012, , .		0
52	Pairing and thermodynamics properties of finite-systems with fixed number of particles. EPJ Web of Conferences, 2012, 38, 04004.	0.3	0
53	Pairing and specific heat in $^{161,162}\text{Dy}$ and $^{171,172}\text{Yb}$ isotopes. Journal of Physics: Conference Series, 2014, 533, 012012.	0.4	0
54	Proton-neutron pairing and alpha-type condensation in nuclei. AIP Conference Proceedings, 2015, , .	0.4	0

#	ARTICLE	IF	CITATIONS
55	Interplay between proton-neutron pairing and deformation in self-conjugated medium mass nuclei. EPJ Web of Conferences, 2016, 117, 04005.	0.3	0
56	Beyond-mean-field corrections within the second random-phase approximation. Journal of Physics: Conference Series, 2016, 724, 012018.	0.4	0
57	Subtraction method in the Second Random Phase Approximation. Journal of Physics: Conference Series, 2018, 966, 012050.	0.4	0
58	Microscopic description of the GDR and PDR modes: An application to the 48Ca case. AIP Conference Proceedings, 2019, , .	0.4	0
59	Recent applications of the subtracted SRPA approximation. EPJ Web of Conferences, 2019, 223, 01020.	0.3	0