

STRENGTH

Publications

Journals

- M. Sambataro and N. Sandulescu, "Isovector pairing in a formalism of quartets for $N=Z$ nuclei", *Phys. Rev. C* **88**, 061303(R) (2013).
- M. Sambataro, N. Sandulescu, and C. W. Johnson, "Isoscalar and isovector pairing in a formalism of quartets", *Phys. Lett. B* **740**, 137 (2015).
- M. Papa, "Many-body correlations in semiclassical molecular dynamics and Skyrme interaction", *Phys. Rev. C* **87**, 014001 (2013).
- E. G. Lanza, A. Vitturi, E. Litvinova, and D. Savran, "Dipole excitations via isoscalar probes: The splitting of the pygmy dipole resonance in ^{124}Sn ", *Phys. Rev. C* **89**, 041601(R) (2014).
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- M. Di Toro, V. Baran, M. Colonna, *et al.*, "Probing the nuclear symmetry energy with heavy-ion collisions", *J. Phys. G: Nucl. Part. Phys.* **37**, 083101 (2010).
- V. Baran, B. Frecus, and M. Colonna, "Pygmy dipole resonance: Collective features and symmetry energy effects", *Phys. Rev. C* **85**, 051601 (2012).
- C. Rizzo, M. Colonna, V. Baran, and M. Di Toro, "Exotic break-up modes in heavy ion reactions at low energies", *Phys. Rev. C* **90**, 054618 (2014).
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- M. Brenna, G. Colò, and P.F. Bortignon, "Microscopic theory of the gamma decay of nuclear giant resonances", *Phys. Rev. C* **85**, 014305 (2012).

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- G. Potel, F. Barranco, F. Marini, E. Vigezzi, and R. A. Broglia, "Calculation of the Transition from Pairing Vibrational to Pairing Rotational Regimes between Magic Nuclei ^{100}Sn and ^{132}Sn via Two-Nucleon Transfer Reactions", *Phys. Rev. Lett.* **107**, 092501 (2011).
- L. Coraggio, A. Covello, A. Gargano, and N. Itaco "Realistic shell-model calculations for isotopic chains north-east of ^{48}Ca in the (N,Z) plane" *Phys. Rev. C* **89**, 024319 (2014).
- L. Coraggio, A. Covello, A. Gargano, and N. Itaco, "Evolution of single-particle states beyond ^{132}Sn ", *Phys. Rev. C* **87**, 034309 (2013) - Editors' Suggestion.
- L. Coraggio, J. W. Holt, N. Itaco, R. Machleidt, and F. Sammarruca, "Reduced regulator dependence of neutron-matter predictions with perturbative chiral interactions", *Phys. Rev. C* **87**, 014322 ((2013).
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