

List of Publications

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3. *Effects of finite excitation energy of environment on fast quantum tunneling*,
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5. *Reply to “Comment on ‘Shape and superdeformed structure in Hg isotopes in relativistic mean field model’ and ‘Structure of neutron-deficient Pt, Hg and Pb isotopes”* ,
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6. *Thermal fission rate around superfluid-normal phase transition*,
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7. *Validity of the linear coupling approximation in heavy-ion fusion reactions at sub-barrier energies* ,
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8. *Adiabatic quantum tunneling in heavy-ion sub-barrier fusion*,
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11. *Excitation of nuclear anharmonic vibrations in heavy-ion fusion reactions*,
K. Hagino, S. Kuyucak, and N. Takigawa, Phys. Rev. C57 (1998) 1349 – 1360.

12. *Effects of finite width of excited states on heavy-ion sub-barrier fusion reactions*,
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13. *Bremsstrahlung in α decay*,
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14. *Fusion versus breakup: observation of large fusion suppression for $^9\text{Be} + ^{208}\text{Pb}$* ,
M. Dasgupta, D.J. Hinde, R.D. Butt, R.M. Anjos, A.C. Berriman, N. Carlin, P.R.S. Gomes, C.R. Morton, J.O. Newton, A. Szanto de Toledo, and K. Hagino, Phys. Rev. Lett. 82 (1999) 1395 – 1398.
15. *Anharmonicity of the dipole resonance of metal clusters*,
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16. *Coupled-channels analysis of the fusion barrier distribution for the $^{16}\text{O} + ^{208}\text{Pb}$ reaction*,
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17. *Anharmonic collective excitation in a solvable model*,
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18. *A program for coupled-channels calculations with all order couplings for heavy-ion fusion reactions*,
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20. *RPA approach to rotational symmetry restoration in a three-level Lipkin model*,
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31. *Isotopic dependence and transfer channel coupling effects in the fusion of $^{16}\text{O} + ^{112,116}\text{Sn}$ and $^{32}\text{S} + ^{112,116,120}\text{Sn}$ at energies around the barrier*,
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37. *Fusion suppression and sub-barrier breakup of weakly bound nuclei*,
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41. *Electromagnetic moments and electric dipole transitions in carbon isotopes*,
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