

1. Avdeenkov, A.V. & Kamerdzhev, S.P. 2009, "Pygmy dipole resonance in nuclei", *Physics of Atomic Nuclei*, vol. 72, no. 8, pp. 1332-1339.
2. Ben Geloun, J., Gangopadhyay, S. & Scholtz, F.G. 2009, "Harmonic oscillator in a background magnetic field in noncommutative quantum phase-space", *Epl*, vol. 86, no. 5, pp. 51001.
3. Ben Geloun, J. & Scholtz, F.G. 2009, "Coherent states in noncommutative quantum mechanics", *Journal of Mathematical Physics*, vol. 50, no. 4, pp. 043505.
4. Ben Geloun, J. & Scholtz, F.G. 2009, "Supersymmetry breaking in noncommutative quantum mechanics", *Journal of Physics A-Mathematical and Theoretical*, vol. 42, no. 16, pp. 165206.
5. Ben Geloun, J., Govaerts, J. & Scholtz, F.G. 2009, "The N=1 supersymmetric Landau problem and its supersymmetric Landau level projections: the N=1 supersymmetric Moyal-Voros superplane", *Journal of Physics A-Mathematical and Theoretical*, vol. 42, no. 49, pp. 495203.
6. Ben Geloun, J. & Hounkonnou, M.N. 2009, "New classes of nonlinear vector coherent states of generalized spin-orbit Hamiltonians", *Journal of Physics A-Mathematical and Theoretical*, vol. 42, no. 29, pp. 295202.
7. Ben Geloun, J. & Klauder, J.R. 2009, "Ladder operators and coherent states for continuous spectra", *Journal of Physics A-Mathematical and Theoretical*, vol. 42, no. 37, pp. 375209.
8. Casetti, L., Kastner, M. & Nerattini, R. 2009, "Kinetic energy and microcanonical nonanalyticities in finite and infinite systems", *Journal of Statistical Mechanics-Theory and Experiment*, , pp. P07036.
9. Cho, H.T., Cornell, A.S., Doukas, J. & Naylor, W. 2009, "Asymptotic iteration method for spheroidal harmonics of higher-dimensional Kerr-(A)dS black holes", *Physical Review D*, vol. 80, no. 6, pp. 064022.
10. Collins, S. 2009, "Restricted Schur polynomials and finite N counting", *Physical Review D*, vol. 79, no. 2, pp. 026002.
11. Dey, T.K., Mukherji, S., Mukhopadhyay, S. & Sarkar, S. 2009, "A NOTE ON MATRIX MODEL WITH IR CUTOFF AND AdS/CFT", *International Journal of Modern Physics a*, vol. 24, no. 28-29, pp. 5235-5260.
12. Doukas, J., Cho, H.T., Cornell, A.S. & Naylor, W. 2009, "Graviton emission from simply rotating Kerr-de Sitter black holes: Transverse traceless tensor graviton modes", *Physical Review D*, vol. 80, no. 4, pp. 045021.

13. Gangopadhyay, S. 2009, "Anomalies, horizons and Hawking radiation", *Epl*, vol. 85, no. 1, pp. 10004.
14. Gangopadhyay, S. & Scholtz, F.G. 2009, "Path-Integral Action of a Particle in the Noncommutative Plane", *Physical Review Letters*, vol. 102, no. 24, pp. 241602.
15. Kastner, M. 2009, "Microcanonical entropy of the spherical model with nearest-neighbour interactions", *Journal of Statistical Mechanics-Theory and Experiment*, , pp. P12007.
16. Kastner, M. & Pleimling, M. 2009, "Microcanonical Phase Diagrams of Short-Range Ferromagnets", *Physical Review Letters*, vol. 102, no. 24, pp. 240604.
17. Koch, R.d.M., Dey, T.K., Ives, N. & Stephanou, M. 2009, "Correlators of operators with a large R-charge", *Journal of High Energy Physics*, , no. 8, pp. 083.
18. Koch, R.d.M., Ives, N. & Stephanou, M. 2009, "Correlators in nontrivial backgrounds", *Physical Review D*, vol. 79, no. 2, pp. 026004.
19. Moodley, M. & Petruccione, F. 2009, "Stochastic wave-function unraveling of the generalized Lindblad master equation", *Physical Review a*, vol. 79, no. 4, pp. 042103.
20. Pellegrini, C. & Petruccione, F. 2009, "Diffusion approximation of stochastic master equations with jumps", *Journal of Mathematical Physics*, vol. 50, no. 12, pp. 122101.
21. Pellegrini, C. & Petruccione, F. 2009, "Non-Markovian quantum repeated interactions and measurements", *Journal of Physics A-Mathematical and Theoretical*, vol. 42, no. 42, pp. 425304.
22. Pellegrini, C. 2009, "Poisson and Diffusion Approximation of Stochastic Master Equations with Control", *Annales Henri Poincare*, vol. 10, no. 5, pp. 995-1025.
23. Polyakov, D. 2009, "GROUND RING OF alpha-SYMMETRIES AND SEQUENCE OF RNS STRING THEORIES", *International Journal of Modern Physics a*, vol. 24, no. 31, pp. 5897-5924.
24. Polyakov, D. 2009, "New Brst Charges in Rns Superstring Theory and Deformed Pure Spinors", *International Journal of Modern Physics a*, vol. 24, no. 32, pp. 6177-6195.
25. Santos, A., Fantoni, R. & Giacometti, A. 2009, "Thermodynamic consistency of energy and virial routes: An exact proof within the linearized Debye-Huckel theory", *Journal of Chemical Physics*, vol. 131, no. 18, pp. 181105.

26. Scherer, D.D., Mueller, C.A. & Kastner, M. 2009, "Finite-temperature fidelity-metric approach to the Lipkin-Meshkov-Glick model", *Journal of Physics A-Mathematical and Theoretical*, vol. 42, no. 46, pp. 465304.
27. Sergi, A., Sinayskiy, I. & Petruccione, F. 2009, "Numerical and analytical approach to the quantum dynamics of two coupled spins in bosonic baths", *Physical Review a*, vol. 80, no. 1, pp. 012108.
28. Sinayskiy, I., Ferraro, E., Napoli, A., Messina, A. & Petruccione, F. 2009, "Non-Markovian dynamics of an interacting qubit pair coupled to two independent bosonic baths", *Journal of Physics A-Mathematical and Theoretical*, vol. 42, no. 48, pp. 485301.
29. Snyman, I. 2009, "Gapped state of a carbon monolayer in periodic magnetic and electric fields", *Physical Review B*, vol. 80, no. 5, pp. 054303.
30. Snyman, I. & Nazarov, Y.V. 2009, "Bistability in voltage-biased normal-metal/insulator/superconductor/insulator/normal-metal structures", *Physical Review B*, vol. 79, no. 1, pp. 014510.
31. Thom, J.D. & Scholtz, F.G. 2009, "Bound state energies and phase shifts of a non-commutative well", *Journal of Physics A-Mathematical and Theoretical*, vol. 42, no. 44, pp. 445301.
32. Wouters, J., Fannes, M., Akhalwaya, I. & Petruccione, F. 2009, "Classical capacity of a qubit depolarizing channel with memory", *Physical Review a*, vol. 79, no. 4, pp. 042303.
33. Zloshchastiev, K.G. 2009, "Logarithmic nonlinearity in theories of quantum gravity: Origin of time and observational consequences", *Astrophysics and Cosmology After Gamow*, vol. 1206, pp. 112-121.