

1. **Test of pseudospin symmetry in deformed nuclei**
Ginocchio JN, Leviatan A, Meng J, et al.
PHYSICAL REVIEW C 69 (3): Art. No. 034303 MAR 2004
2. **New effective interactions in relativistic mean field theory with nonlinear terms and density-dependent meson-nucleon coupling**
Long WH, Meng J, Van Giai N, et al.
PHYSICAL REVIEW C 69 (3): Art. No. 034319 MAR 2004
3. **Density dependencies of interaction strengths and their influences on nuclear matter and neutron stars in relativistic mean field theory**
Ban SF, Li J, Zhang SQ, et al.
PHYSICAL REVIEW C 69 (4): Art. No. 045805 APR 2004
4. **Analytic continuation of single-particle resonance energy and wave function in relativistic mean field theory**
Zhang SS, Meng J, Zhou SG, et al.
PHYSICAL REVIEW C 70 (3): Art. No. 034308 SEP 2004
5. **Proton and neutron skins of light nuclei within the relativistic mean field theory**
Geng LS, Toki H, Ozawa A, et al
NUCL PHYS A 730 (1-2): 80-94 JAN 12 2004
6. **A systematic study of neutron magic nuclei with N=8, 20, 28, 50, 82 and 126 in the relativistic mean-field theory**
Geng LS, Toki H, Meng J
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS 30 (12):
1915-1928 DEC 2004
7. **A systematic study of Zr and Sn isotopes in the relativistic mean field theory**
Geng LS, Toki H, Meng J
MODERN PHYSICS LETTERS A 19 (29): 2171-2190 SEP 21 2004
8. **Proton-rich nuclei at and beyond the proton drip line in the relativistic mean field theory**
Geng LS, Toki H, Meng J

9. **Relativistic description of exotic nuclei and nuclear matter at extreme conditions**
Meng J, Ban SF, Li J, et al.
PHYSICS OF ATOMIC NUCLEI 67 (9): 1619-1626 SEP 2004
10. **Analytic continuation in the coupling constant method for the Dirac equation**
Zhang SS, Guo JY, Zhang SQ, et al.
CHINESE PHYSICS LETTERS 21 (4): 632-635 APR 2004
11. **Rotational band structures of non-axial octupole deformed shapes**
Gao ZC, Chen YS, Meng J
CHINESE PHYSICS LETTERS 21 (5): 806-809 MAY 2004
12. **Production cross section of superheavy nuclei in cold fusion reactions based on the relativistic mean field theory**
Zhang W, Meng J, Zhang SQ
HIGH ENERG PHYS NUC 28 (1): 61-68 JAN 2004
13. **Chiral doublet bands in nuclei with asymmetric particle-hole configuration**
Zhang SQ, Peng J, Meng J
HIGH ENERG PHYS NUC 28 (2): 161-166 FEB 2004
14. **Description of the nuclear matter and neutron star in relativistic mean field theory with density-dependent interactions**
Li J, Ban SF, Jia HY, et al.
HIGH ENERG PHYS NUC 28 (2): 140-147 FEB 2004
15. **New effective interactions, new symmetry and new states in atomic nuclei**
Meng J, Ban SF, Li J, et al.
HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION 28 (12): 1291-1296 DEC 2004
16. **Nuclear symmetry energy for A=48 isobars in relativistic mean field theory**
Ban SF, Meng J, Ramon AW
HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION 28:

66-68 Suppl. S DEC 2004

17. **Triaxial deformation in candidate nuclei of the chiral doublet bands**

Peng J, Meng J, Zhang SQ

HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION 28:

81-83 Suppl. S DEC 2004

18. **SLAP for pairing in the relativistic mean field theory**

Meng J, Zhang SH, Guo JY

HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION 28:

84-86 Suppl. S DEC 2004

19. **Direct URCA process in neutron stars**

Shen G, Meng J, Hillhouse GC

HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION 28:

99-101 Suppl. S DEC 2004