

## Collected Works

1. Coefficients of Viscosity and Thermal Conduction in Dense Gases and Liquids,  
L. M. Yang, Nature, 161, (1948) 523.
2. Kinetic theory of Diffusion in Gases and Liquids. (1).Diffusion and the Brown Motion. L. M. Yang, Proc. Roy. Soc., A198 (1949) 94.
3. Kinetic Theory of Diffusion in Gases and Liquids.  
(2).General Kinetic Theory of Liquid Mixtures,  
L. M. Yang, Proc. Roy. Soc., 1949, A198: 471.
4. Nuclear Shell Structure and Nuclear Density,  
Max Born, and L. M. Yang, Nature(London), 166 (1950) 399,
5. Nuclear Shell Structure and Nuclear Density,  
L. M. Yang, Proc. Phys. Soc. A, 64 (1951) 632,
6. A Note on the Quantum Rule of the Harmonic Oscillator.  
L. M. Yang, Phys. Rev. 84, (1951) 788.
7. A Theorem on the traces of Gamma-Matrices,  
L. M. Yang, Phil. Mag. 42, (1951) 1333.
8. Equivalence of S-Matrix in Different Representations.  
L. M. Yang, Phys. Rev. 84 (1951) 1258.
9. Orbital Angular Momentum distribution in nuclei and nuclear density, L. M. Yang, Acta Physica Sinica 9 (1953) 314.
10. 原子核 核子轨道角动量分布与核子密度, 杨立铭, 物理学报, 9 (53) 302
11. 原子核内轨道角动量分布与核密度的进一步探讨, 物理学报, 11 (55) 439。
12. 关于原子核多体问题的普遍理论, 杨立铭, 科学记录, 1, (57) 363
13. A Note on the General Theory of the Nuclear Many-Body Problem,  $\Delta$   
Science Record, 6. (1957) 363.
14. 关于原子核 的多次散射理论, 杨立铭, 北京大学学报, 3 (58) 277
15. 原子核的转动惯量和 g 因子, 谌言, 张庆营, 杨立铭, 物理学报, 15, (59) 565
16. 大变形核中对力对内部激发的影响, 杨立铭, 曾谨言, 物理学报, 20 (64) 846.
17. A Treatment of Pairing Force in Nuclei, Yang L.M. Scientia Sinica,

- 13 (1964) 563.
18. 原子核多体问题的玻色子—费米子描述, 杨泽森, 钟毓澍, 齐辉, 杨立铭, 高能物理与核物理, 2 (78) 158.
19. 巨共振在中子—核散射中的作用, 杨立铭, 钟毓澍, 周治宁, 高能物理与核物理, 5, (81) 255.
20. Dyson's Finite Boson Expansion and the Interacting Boson Model. △  
T.S. Yang and L.M.Yang, «Interacting Bose-Fermi Systems in Nuclei», Edited by F. Iachello (1981) 229.
21. A Transformation for Treating Pairing Correlation and Microscopic △  
Foundation of the Interacting Boson Model, Yang L.M., Comm. in Theor. Phys., 1 (1982) 557.
22. Microscopic Investigation of the Interacting Boson Model, L.M.Yang, Progress in Particle and Nuclear Physics, 9 (1983) 147.
23. Microscopic Investigation of IBM and IBFM, L.M. Yang, D.H. LU and Z.N. Zhou, Nucl. Phys., A421 (1984) 229c.
24. Self-consistent Structure of Bosons in Nuclei, Li-Ming Yang, Zhi-ning Zhou and Da-hai Lu, Proc. of International Symp. on Particle and Nuclear Phys., (Beijing) (1985) 442. △
25. Microscopic Treatment of Shape Coexistence of e-e Nuclei and Related Extension of IBM, L.M.Yang, T.Song and X.H.Wang, PLB195 (86) 6. △
26. Microscopic Extension of IBM beyond Valence Shells, T. Song, X.H. Wang and L.M. Yang, Commun. in Theor.Phys. 9 (1988) 437.
27. Self-consistent Structure of the S Pair and the D Pair in Nuclei, L.M. Yang, Z.N. Zhou and D.H. Lu, Phys. Rev. C, 40 (1989) 2885.
28. Microscopic Investigation and Shape Coexistence in even-even Nuclei, T. Song and L.M. Yang, Phys. Rev. C, 40 (1989) 1782.
29. A Note on the Pair Excitation Across Major Shell in Deformed Nuclei, D.H. Lu and L.M.Yang, Commu.Theor. Phys., 11 (1989) 235.
30. A note on the effective interaction in nuclei, Lu Dahai and Yang Liming, Chinese Journal of Nuclear Physics, 4 (1989) 1.
31. An Extended NJL Model with Confinement and Quark Structure of Hadrons, Yang L.M. Proc of Japan-China Joint Symp. on Frontier △ Topics in Nuclear Physics, (Tokyo) 1992.

32. Vector coupling and Vector Mesons in Extended NJL Model, Yang L.M., Commn. in Theor. Phys., 21 (1994) 31.
33. Vector Coupling and Rho Meson in a Nonlocal Nambu-Jona-Lasinio Model, W.Z. DENG, J.W. ZHANG and L.M. YANG, Commun. Theor. Phys., 21 (1994) 311.
34. Nambu-Jona-Lasinio Model Beyond the Mean-Field Approximation, H. GUO, W.Z. DENG, H.X. YE and L.M. YANG, Commun. Theor. Phys., 27 (1997) 61.
35. Correlated Nucleon Pair Model and Microscopic Basis of Interaction Boson Model, YANG Liming and LU Dahai, Commun. Theor. Phys., 30 (1998) 55.
36. Fractional Parentage Coefficients for Composite Pairs, LU Dahai and YANG Liming, Commun. Theor. Phys., 30 (1998) 225.
37. Microscopic Treatment for the Degree of Freedom Beyond the S-D Model Space, LU Da-hai, YANG Li-ming, CHIN. PHYS. LETT., 16 (1999) 93.
38. The Structure of S Pair in Collective States (I), LU Dahai and YANG Liming, Commun. Theor. Phys., 31 (1999) 255.
39. The Structure of S Pair in Collective States (II), LU Dahai and YANG Liming, Commun. Theor. Phys., 31 (1999) 261.
40. An Understanding of the Meaning Behind Boson-Description in the Collective Motion of Nuclei, LU Dahai and YANG Liming, DENG Wei-Zhen, CHEN Xiao-Lin, ZHANG Jian-Wei, CHIN. PHYS. LETT., 17 (2000) 562.
41. Shape Coexistence in Odd-Mass Nuclei near Z=50, CHEN XiaoLin and YANG LiMing, Commun. Theor. Phys., 33 (2000) 93.
42. Independent Descriptions of the Collective Degrees of Freedom of Nuclei (I), LU DaHai and YANG liMing, Commun. Theor. Phys., 33 (2000) 227.
43. Independent Descriptions of the Collective Degrees of Freedom of Nuclei (II), LU DaHai and YANG liMing, Commun. Theor. Phys., 33 (2000) 232.
44. Charge Exchange Component of n-p Interactions, CHEN XiaoLin, LU DaHai and YANG LiMing, Commun. Theor. Phys., 33 (2000) 411.
45. Hamiltonian Approach to Meson Structure in Extended Nambu-Jona-Lasinio Model, DENG WeiZhen and YANG LiMing, Commun.

Theor. Phys. 34 (2000) 107.

46. Pair Excitations in Even–Even Nuclei. CHEN XiaoLin, LU DaHai and YANG LiMing, Commun. Theor. Phys., 34 (2000) 267.

47. Hadron Structure and Vac. Structure in a Hamiltonian Approach, L.M. Yang, Proc. of CCAST Workshop, 110 (1999) 61.