

## Publication List: Tsou

1. Explicit Construction of the  $N$ -Point Function in the Generalized Veneziano Model, *Phys. Lett.* **28B** (1969) 485. (1 co-author)
2. Decay Pattern of High-Spin Resonances in the Generalized Veneziano Model, *Phys. Rev.* **D4** (1971) 156. (1 co-author)
3. The Production Cross-Section of the High-Spin Resonances in Missing Mass Experiments in the Veneziano Model, *Nucl. Phys.* **B36** (1972) 472.
4. Diffractive Scattering in the Dual Model, *Nucl. Phys.* **B86** (1975) 479. (2 co-authors)
5. Regge Parameters from Duality and Unitarity, *Nucl. Phys.* **B92** (1975) 13. (3 co-authors)
6. Almost Stable Particles with Masses above 5 GeV, *Lett. Nuovo Cim.* **16**(1975)219. (2 co-authors)
7. Le Modèle de Veneziano Généralisé et les Résonances de Spin Elevé, *Doctoral thesis*, University of Geneva, 1976.
8. Building a General Framework of Hadron Collisions, in *Proc. of the VI Int. Colloquium in Multiparticle Reactions*, Oxford 1976. (7 co-authors)
9. The Renormalization of the Vacuum Trajectories in Dual Unitarization, *Phys. Lett.* **65B** (1976) 81.
10. Baryon Exchange Effects in Dual Unitarization, *Nucl. Phys.* **B118** (1977) 413.
11. The Renormalization of Trajectories with Zero Quantum Numbers in Dual Unitarization, *Phys. Rev.* **D16** (1977) 2353.
12. Dual Unitarization—a New Approach to Hadron Reactions, in *Many Degrees of Freedom in Particle Theory*, ed. H. Satz, Plenum Publishing Corporation, 1978. (1 co-author)
13. Colour Chemistry—a study of metastable multi-quark molecules, *Phys. Lett.* **76B** (1978) 634. (6 co-authors)
14. Strange Baryoniums: their spectrum, decay and production, *Nucl. Phys.* **B141**(1978)397.
15. Extended Regge Trajectories, *J. Phys.* **A11** (1978) L231. (2 co-authors)
16. In Search of the Ninth Vector Meson, *Twistor Newsletter* **7**, Oxford University Mathematical Institute, 1978.
17. Decay and Production of Strange Baryoniums, in *Proc. of the IV European Antiproton Symposium*, Strasbourg, Publ. CNRS, 1978.
18. A Short Introduction to the Mathematical Formulation of Gauge Theory, *Acta Phys. Pol.* **B10** (1979) 219.
19. More on Extended Regge Trajectories, *Twistor Newsletter* **8**, Oxford University Mathematical Institute, 1979.
20. The Twistor  $QQ\overline{Q}\overline{Q}$  Meson Spectrum, in *Recent Advances in Twistor Theory*, ed. L.P. Hughston and R.S. Ward, Pitman, San Francisco, 1979.
21. Baryoniums with  $J^{PC} = 1^{--}$ , in *Proc. of the Orsay Workshop on Baryoniums and Other Unusual Hadrons*, ed. B. Nicolescu et al., Publ. CNRS, 1979.

22. Baryoniums in  $e^+e^-$  Processes, *Nucl. Phys.* **B166** (1980) 93.
23. Some Geometric Aspects of Symmetry Breaking, in *Proc. of the Guangzhou Conf. on Theoretical Particle Physics*, Science Press, China, 1980.
24. On the Characterization of Monopoles in Non-Abelian Gauge Theories, *Phys. Lett.* **95B** (1980) 395. (1 co-author)
25. Monopole Charges in Unified Gauge Theories, *Nucl. Phys.* **B189** (1981) 364. (1 co-author)
26. Some Group and Bundle Theoretical Considerations in Unified Gauge Theories, *Nucl. Phys.* **B189** (1981) 381.
27. Extended Regge Trajectories Updated, *Twistor Newsletter* **12**, Oxford University Mathematical Institute, 1981, reprinted in *Further Advances in Twistor Theory*, ed. L. Mason and L. Hughston, Pitman 1990.
28. Maxwell's Equations from Topology, *Twistor Newsletter* **13**, Oxford University Mathematical Institute, 1981.
29. Study of Monopoles using Loop Space, in *Monopoles in Quantum Field Theory*, ed. N. Craigie et al., World Scientific Press, 1982.
30. Equations of Motion for Non-Abelian Monopoles, in *Monopoles in Quantum Field Theory*, ed. N. Craigie et al., World Scientific Press, 1982. (1 co-author)
31. Deriving the Sourceless Maxwell Equations the Hard Way, *Twistor Newsletter* **14**, Oxford University Mathematical Institute, 1982.
32. Why are physicists excited about the  $W$  (and the  $Z$  if they see it)? *Bull. IMA* **19** (1983) 165.
33. Extended Regge Trajectories and Baryoniums, *Twistor Newsletter* **17**, Oxford University Mathematical Institute, 1984, reprinted in *Further Advances in Twistor Theory*, ed. L. Mason and L. Hughston, Pitman 1990.
34. Colouring Donaldson's Moduli Space, *Twistor Newsletter* **18**, Oxford University Mathematical Institute, 1984.
35. Monopoles and Strings in Broken Symmetry, in *Proc. of the VII Warsaw Symposium on Elementary Particle Physics*, Kazimierz, Poland, ed. Z. Ajduk, 1984. (1 co-author)
36. Particles as Kaluza-Klein Monopoles? in *Proc. of the VII Warsaw Symposium on Elementary Particle Physics*, Kazimierz, Poland, ed. Z. Ajduk, 1984. (1 co-author)
37. Those Invisible Quarks, *Bull. IMA* **21** (1985) 178.
38. Charged Matter from a Kaluza-Klein-like Theory, in *Quantum Concepts in Space and Time*, ed. R. Penrose and C.J. Isham, Clarendon Press, Oxford, 1986.
39. On Loop Space Formulation of Gauge Theories, *Ann. Phys. (N.Y.)* **166** (1986) 396. (2 co-authors)
40. Action Principle and Equations of Motion for Non-Abelian Monopoles, *Ann. Phys. (N.Y.)* **167** (1986) 454. (2 co-authors)
41. Gauge Theories in Loop Space, *Acta Phys. Pol.* **B17** (1986) 259. (1 co-author)
42. Constrained Lagrangian Theory for Monopoles, *Acta Phys. Pol.* **B17** (1986) 277. (1 co-author)

43. String Theory Considered as a Local Gauge Theory of an Extended Object, *Phys. Rev.* **D35** (1987) 2474. (1 co-author)
44. Some Aspects of Monopoles in Gauge Theory, *Prog. in Phys.* **8** (1988) 1. (in Chinese, 1 co-author)
45. A possible role of vertex operators in Singer's picture of 4-dimensional conformal field theory, *Twistor Newsletter* **26**, Oxford University Mathematical Institute, 1988, reprinted in *Further Advances in Twistor Theory*, ed. L. Mason and L. Hughston, Pitman 1990.
46. The String Story, *Bull. IMA* **25** (1989) 7.
47. Yang-Mills formulation of interacting strings, *Phys. Rev.* **D39** (1989) 555. (1 co-author)
48. Fundamentally New Physics at the Tevatron Collider, *Int. J. Mod. Phys.* **A4** (1989) 5003. (2 co-authors)
49. String Theory as a Generalized Yang-Mills Theory, in *New Theories in Physics*, ed. Z. Ajduk, World Scientific, Singapore, 1989. (1 co-author)
50. The Non-commutative Geometry of String Field Theory, in *New Theories in Physics*, ed. Z. Ajduk, World Scientific, Singapore, 1989. (1 co-author)
51.  $N$ -String Amplitude as a Trace of Half-string Matrices, *Phys. Rev.* **D40** (1989) 2620. (3 co-authors)
52. A Yang-Mills Structure for String Field Theory, in *Mathematics-Particle Physics Interface*, ed. D.G. Quillen, G.B. Segal and Tsou S.T., Oxford University Press, 1990.
53. Towards a 'Pointless' Generalisation of Yang-Mills Theory, *Ann. Phys.* **198** (1990) 180. (1 co-author)
54. Extended Regge trajectories: 12 years after, *Twistor Newsletter*, **30**, Oxford University Mathematical Institute, 1990. (1 co-author)
55. Half-String Oscillator Approach to String Field Theory, *Nucl. Phys.* **B351** (1991) 441. (3 co-authors)
56. New Expressions for String Loop Amplitudes Leading to an Ultra-simple Conception of String Dynamics, *Phys. Rev.* **D44** (1991) 1786. (3 co-authors)
57. Update on one extended Regge trajectory (paper given at the Penrose Birthday Seminar), *Twistor Newsletter*, **33**, Oxford University Mathematical Institute, 1991.
58. Remarks on the Exotic  $U$ -meson, *Zeitschr. für Physik* **C54** (1992) 607–610. (1 co-author)
59. A Topological Variation Principle in Quantum Field Theory, in *Proceedings of Dynamic Systems and Applications*, Vol. 1, ed. G.S. Ladde and M. Sambandham, Dynamics Publishers Inc., Atlanta, 1994.
60. Equations of Motion of Dirac-like topological charges in Yang–Mills Fields, *Phys. Rev.* **D51** (1995) 7040–7051. (2 co-authors)
61. Monopoles as Fibre Bundles and Strings as Infinite Rank Tensors, in *Five Decades As A Mathematician and Educator: on the 80th Birthday of Professor YC Wong*, ed. KY Chan and MC Liu, World Scientific, Singapore, 1995. (1 co-author)
62. Twistors in Field Theory, in *Advanced Electromagnetism: Foundations, Theory, Applications*, ed. T.W. Barrett and D.M. Grimes, World Scientific Publishing Co., Singapore, 1995. (1 co-author)

63. A Dual Set of Equations in Quantum Field Theory, in *Proc. Fifth International Colloquium on Differential Equations (Plovdiv)*, ed. D. Bainov and A. Dishliev, Science Culture Technology Publishing, Singapore, 1995.
64. A Non-abelian Yang–Mills Analogue of Electromagnetic Duality, *Phys. Rev.* **D52** (1995) 6134–56, jointly with Chan Hong-Mo and Jacqueline Faridani.
65. Generalized dual symmetry for the non-Abelian Yang–Mills fields, hep-th/9512173, *Phys. Rev.* **D53** (1996) 7293–7305, jointly with Chan Hong-Mo and Jacqueline Faridani.
66. The Question of Renormalization in some Popular Models of Quantum Field Theory, in *Proceedings of the Workshop on Renormalization*, Paris 1996, ed. Sylvie Paycha et al., Publications Femmes et Math, Paris 1997.
67. Rudiments of Dual Feynman Rules for Yang–Mills Monopoles in Loop Space, hep-th/9603188, *Phys. Rev.* **D55** (1997) 5051–5026, jointly with Chan Hong-Mo, Jacqueline Faridani and Jakov Pfaudler.
68. An Electric–magnetic Duality for Nonabelian Yang–Mills Fields, in *Proceedings of the 28th International Conference on High Energy Physics*, Warsaw 1996, ed. Z. Ajduk and A.K. Wroblewski, World Scientific Publishing Company, 1997, jointly with Chan Hong-Mo.
69. Physical Consequences of Nonabelian Duality in the Standard Model, hep-th/9701120, *Phys. Rev.* **D57** (1998) 2507–2522, jointly with Chan Hong-Mo.
70. ’t Hooft’s Order-Disorder Parameters and the Dual Potential, hep-th/9702117, *Phys. Rev.* **D56** (1997) 3646–3649, jointly with Chan Hong-Mo.
71. Geometric Interpretation of the 2-index Potential as Twisted de Rham Cohomology, hep-th/9703033, jointly with Ioannis Zois.
72. Possible Explanation for  $E > 10^{20}$  eV Air Showers with Flavour-Changing Neutral Currents, hep-ph/9705463, jointly with José Bordes, Chan Hong-Mo, Jacqueline Faridani and Jakov Pfaudler.
73. Possible Test for the Suggestion that Air Showers with  $E > 10^{20}$  eV are due to Strongly Interacting Neutrinos, astro-ph/9707031, *Astroparticle Phys.* **8** (1998) 135–140, jointly with José Bordes, Chan Hong-Mo, Jacqueline Faridani and Jakov Pfaudler.
74. Post-GZK Air Showers, FCNC, Strongly Interacting Neutrinos and Duality, hep-ph/9711438, RAL-TR-067, in the *Proceedings of the International Workshop on Physics Beyond the Standard Model: from Theory to Experiment*, (ed. I Antoniadis, LE Ibañez and JWF Valle) Valencia, October 1998, World Scientific (Singapore) 1998, jointly with José Bordes, Chan Hong-Mo, Jacqueline Faridani and Jakov Pfaudler.
75. CKM Matrix and Fermion Masses in the Dualized Standard Model, hep-ph/9712276, RAL-TR-068, *Phys. Rev.* **D58** (1998) 013004, jointly with José Bordes, Chan Hong-Mo, Jacqueline Faridani and Jakov Pfaudler.
76. Standard Model with Duality: Theoretical Basis, hep-th/9712171, RAL-TR-069, invited lecture at the Cracow Summer School on Theoretical Physics, May–June 1997, Zakopane, *Acta Phys. Pol.* **B28** (1997) 3027–3040, jointly with Chan Hong-Mo.
77. Standard Model with Duality: Physical Consequences, hep-ph/9712436, RAL-TR-070, invited lecture at the Cracow Summer School on Theoretical Physics, May–June 1997, Zakopane, *Acta Phys. Pol.* **B28** (1997) 3041–3056, jointly with Chan Hong-Mo.
78. Neutrino Oscillations in the Dualized Standard Model, hep-ph/9802420, RAL-TR-98-021, *Phys. Rev.* **D58** (1998) 053003, jointly with José Bordes, Chan Hong-Mo and Jakov Pfaudler.

79. Features of Quark and Lepton Mixing from Differential Geometry of Curves on Surfaces, hep-ph/9802436, RAL-TR-98-022, *Phys. Rev.* **D58** (1998) 053006, jointly with José Bordes, Chan Hong-Mo and Jakov Pfaudler.
80. Symmetry and symmetry breaking in particle physics, invited talk, hep-th/9803159, in *Proceedings of the 8th Annual General Meeting, European Women in Mathematics*, December 1997 Trieste, Hindawi Publishing Corporation 1999 (<http://math.hindawi.com/ewm-97>).
81. Flavour-Changing Neutral Currents in the Dualized Standard Model, hep-ph/9807277, FTUV-98-51, IFIC/98-52, *Phys. Rev.* **D60** (1999) 013005, jointly with José Bordes, Chan Hong-Mo, Jacqueline Faridani and Jakov Pfaudler.
82. The Dualized Standard Model and its Applications, hep-ph/9809272, RAL-TR-1998-071, in *Proc. 29th Intern. Conf. on High Energy Physics*, ed. A Astbury, D Axen and J Robinson, Vancouver, July 1998, jointly with Chan Hong-Mo and José Bordes.
83. A Dynamical Mechanism for Quark Mixing and Neutrino Oscillations, hep-ph/9901440, RAL-TR-1999-013, *European Phys. J.* **C10** (1999) 63–70, DOI 10.1007/s100529900092, jointly with José Bordes and Chan Hong-Mo.
84. Nonabelian Generalization of Electric–Magnetic Duality—A Brief Review, hep-th/9904102, RAL-TR-1999-014, invited review paper, *International J. Mod. Phys.* **A14** (1999) 2139–2172, jointly with Chan Hong-Mo.
85. The Dualized Standard Model and its Applications—an Interim Report, hep-ph/9904406, RAL-TR-1999-015, invited review paper, *International J. Mod. Phys.* **A14** (1999) 2173–2203, jointly with Chan Hong-Mo.
86. Some Uses of Moduli Spaces in Particle and Field Theory, hep-th/0001020, in *Proc. of EWM Workshop on Moduli Spaces*, Oxford 1998, ed. Frances Kirwan, Sylvie Paycha and Tsou Sheung Tsun.
87. Geometry of the non-Abelian 2-index potential and twisted de Rham cohomology, hep-th/9908108, *Repts. on Math. Phys.*, **45** (2000) 229–237, jointly with Ioannis Zois.
88. Coherent Muon–electron conversion in the Dualized Standard Model, FTUV-99-61, IFIC/99-64, hep-ph/9909321, *Phys. Rev.* **D61** (2000) 077702, jointly with José Bordes, Chan Hong-Mo, and Ricardo Gallego.
89. Concepts in gauge theory leading to electric–magnetic duality, invited lecture course in Colombia Summer School, Villa de Leyva, July 1999, to appear in the Proceedings, ed. H Ocampo, S Paycha and A Reyes, World Scientific, Singapore, 2000, hep-th/0006178.
90. Implications of a rotating mass matrix, hep-ph/0006338, *Phys. Rev.* **D63** (2001) 016006, jointly with José Bordes and Chan Hong-Mo.
91. Photo-transmutation of leptons, hep-ph/0007004, *Phys. Rev.* **D63** (2001) 016009, jointly with José Bordes, Chan Hong-Mo and Jacqueline Faridani.
92. Lepton transmutations from a rotating mass matrix, hep-ph/0008313, in the proceedings of ICHEP2000, Osaka, July 2000, ed. CS Lim and Taku Yamanaka, World Scientific, 2001.
93. A solution to the generation puzzle from Yang–Mills duality, invited lecture, Proceedings of 8th Asia-Pacific Physics Conf. APPC 2000, Taipei, August 2000, ed. Yeong-Der Yao et al., hep-ph/0008312, jointly with Chan Hong-Mo.
94. Fermion transmutation—a renormalization effect in gauge theory, invited lecture, Proceedings of 8th Asia-Pacific Physics Conf. APPC 2000, Taipei, August 2000, ed. Yeong-Der Yao et al., hep-ph/0008324, jointly with Chan Hong-Mo.

95. Discussion on the Ideal University, in the *Proceedings of the 9th General Meeting of EWM, Hannover 1999*, Hindawi Publishing Corporation, 2000.
96. Yang-Mills duality as origin of generations, quark mixing and neutrino oscillations, invited lecture at the 3rd Joint Meeting of Chinese Physicists Worldwide, Hong Kong, August 2000, hep-th/0010261, to be published in the proceedings.
97. Neutrinoless Double Beta Decay in the Dualized Standard Model, hep-ph/0012242, *Phys. Rev. D* **63** (2001) 117701, jointly with José Bordes, Chan Hong-Mo, and Ricardo Gallego.
98. Suggestions for Identifying the Primary of Post-GZK Air Showers, astro-ph/0012384, jointly with José Bordes and Chan Hong-Mo.
99. Fermion Mixing and Mass Hierarchy as Consequences of Mass Matrix Rotation, hep-ph/0104036, jointly with José Bordes and Chan Hong-Mo.
100. Electric-Magnetic Duality and the Dualized Standard Model, hep-th/0110256, series of three invited lectures at the 10th Oporto Meeting on Geometry, Topology and Physics, 20–24 September, 2001, Oporto, Portugal, Int. J. Modern Physics, 18 (Suppl.) 1-40, ed. ST Tsou and R Picken, 2003.
101. Kinematical Lepton Transmutation in  $e^+e^-$  Collision and Vector Boson Decay, hep-ph/0111175, jointly with José Bordes and Chan Hong-Mo.
102. Lepton Transmutation in the Dualized Standard Model, hep-ph/0111369, *Phys. Rev. D* **65** (2002) 093006, jointly with José Bordes and Chan Hong-Mo.
103. Circumstantial Evidence for Rotating Mass Matrix from Fermion Mass and Mixing Data, hep-ph/0203124, jointly with José Bordes and Chan Hong-Mo, Eur. Phys. J. C 27 (2003) 189-200.
104. Fermion Generations and Mixing from Dualized Standard Model, hep-ph/0303010, jointly with Chan Hong-Mo, Acta Physica Polonica B, Vol 33 (2002), No. 12, 4041-4100.
105. Fermion mass and mixing patterns from a rotating mass matrix, hep-ph/0301242, in the Proceedings of the International Symposium on Frontiers of Science—In celebration of the 80th birthday of CN Yang, ed. Nieh Hwa Tong et al., World Scientific 2003.
106. Updates to the Dualized Standard Model on Fermion Masses and Mixings, jointly with José Bordes and Chan Hong-Mo, hep-ph/0302199, Eur. Phys. J. C30 (2003) 51-54.
107. Mass and mixing of fermions from a rotating mass matrix, hep-ph/0304013, Mod. Phys. Lett. A18 (2003) 807-815, jointly with Jonathan S Palmer.
108. Electric-magnetic duality, Encyclopedia of Mathematical Physics, eds. J.-P. Francoise, G.L. Naber and Tsou S.T. Oxford: Elsevier, 2006 (ISBN 978-0-1251-2666-3), volume 2 page p 201-208.
109. Topology (an introductory article), Encyclopedia of Mathematical Physics, eds. J.-P. Francoise, G.L. Naber and Tsou S.T. Oxford: Elsevier, 2006 (ISBN 978-0-1251-2666-3), volume 1 page p 131-139.
110. Higgs Fields as Vielbeins in Internal Symmetry Space, arXiv:hep-ph/0611363, jointly with Chan Hong-Mo.
111. A Model Behind the Standard Model, arXiv:hep-ph/0611364, Eur. Phys. J. C52, 635-663 (2007), jointly with Chan Hong-Mo.

112. New angle on the strong CP and chiral symmetry problems from a rotating mass matrix, arXiv:0707.3358, Intern. J. of Modern Physics A24 (2009) 101-112, jointly with Jose Bordes and Chan Hong-Mo.
113. Possible Anomalies in Higgs Decay: Charm Suppression and Flavour-Violation, arXiv:0908.1750, Eur. Phys. J. C65; 537-542, 2010, jointly with Jose Bordes and Chan Hong-Mo.
114. A Solution of the Strong CP Problem Transforming the theta-angle to the KM CP-violating Phase, arXiv: 1002.3542, Int. J. Mod. Phys. A25 (2010) 5897-5911. jointly with Jose Bordes and Chan Hong-Mo.
115. The rotating mass matrix, the strong CP problem and Higgs decay, Eur. Phys. J. C70; 1009, 2010, DOI 10.1140/epjc/s100052-010-1506-0, arXiv:1005.2676, jointly with Michael J Baker.
116. Mass Hierarchy, Mixing, CP-Violation and Higgs Decay — or Why Rotation is Good for Us, Int. J. Mod. Phys. A26 (2011) 2087-2124, arXiv:1103.5615, jointly with Michael J Baker, Jose Bordes and Chan Hong-Mo.
117. On the Corner Elements of the CKM and PMNS Matrices, EPL 102 (2013) 41001, arXiv:1110.5951, jointly with Michael J Baker, Jose Bordes and Chan Hong-Mo.
118. Exploring Framed Gauge Theory as a Basis for Physical Models, IJMP A27 (2012) 1230002 (29 pages), arXiv:1111.3832, jointly with Chan Hong-Mo.
119. Developing the Framed Standard Model, IJMP A27 (2012) 1250087 (45 pages), arXiv:1111.5591, jointly with Michael J Baker, Jose Bordes and Chan Hong-Mo.
120. A Comprehensive Mechanism Reproducing the Mass and Mixing Parameters of Quarks and Leptons, IJMP A28 (2013) 1350070 (29 pages), arXiv: 1206.0199, jointly with Michael J Baker, Jose Bordes and Chan Hong-Mo.
121. Monopoles in superloop space, EPL 107 (2014) 20008 (5 pages), arXiv:1407.3119, jointly with Mir Faizal.
122. Polyakov Loops for the ABJ Theory, Int. J. Theo. Phys (2015) 54: 896, arXiv: 1402.6802, jointly with Mir Faizal.
123. A First Test of the Framed Standard Model against Experiment, IJMPA 30 (2015) 1550051; arXiv:1410.8022, jointly with Jose Bordes and Chan Hong-Mo.
124. Polyakov Loops for the ABJ Theory, IJTP (2015) 54, 896-909, arXiv:1402.6802, jointly with Mir Faizal.
125. Supersymmetric Duality in Superloop Space, EJPC (to appear), arXiv:1412.7594, jointly with Mir Faizal.
126. Supersymmetric Duality in Deformed Superloop Space, Found. Phys. (2015) DOI 10.1007/s10701-015-9915-4, arXiv:1506.03372, jointly with Mir Faizal.
127. The Framed Standard Model (I) - A Physics Case for Framing the Yang-Mills Theory?, IJMPA (2015) 30, 1530059 (11 pages); DOI 10.1142/S0217751X15300598, ; invited talk (by Chan Hong-Mo) at the Conference on 60 Years of Yang-Mills Gauge Field Theories, 25-28 May 2015, Singapore, to be published in the Proceedings, ed. Lars Brink and Kok Khoo Phua; arXiv:1505.05472. jointly with Chan Hong-Mo.
128. The Framed Standard Model (II) - A first Test against Experiments, IJMPA (2015) 30, 1530080, DOI 10.1142/S0217751X15300604; invited talk (by Tsou Sheung Tsun) at the Conference on 60 Years of Yang-Mills Gauge Field Theories, 25-28 May 2015, Singapore, to be published in the Proceedings, ed. Lars Brink and Kok Khoo Phua; arXiv:1508.04273. jointly with Chan Hong-Mo.

129. Topological Defects in a Deformed Gauge Theory, Nuclear Physics B 942 (2017) 588-602, DOI: 10.1016/j.nuclphysb.2017.09.011, arXiv: 1711.07498, jointly with Mir Faizal.
130. The  $Z$  boson in the framed standard model. IJMP (2018) 33, 1850190, DOI: 10.1142/S0217751X18501907; arXiv:1806.08271, jointly with Jose Bordes and Chan Hong-Mo.
131. A closer study of the framed standard model yielding testable new physics plus a hidden sector with dark matter candidates, IJMP (2018) 33, 1850195, DOI: 10.1142/S0217751X18501956; arXiv:1806.08268, jointly with Jose Bordes and Chan Hong-Mo.
132. Generation patterns, modified  $\gamma - Z$  mixing, and hidden sector with dark matter candidates as framed standard model results, IJMP A33 (2018) 1830034, DOI: 10.1142/S0217751X1830034X; arXiv:1812.05373, jointly with Jose Bordes and Chan Hong-Mo.

## Books

1. (ed.) *The Interface of Mathematics and Particle Physics—an Oxford Conference*, Oxford University Press, 1990, jointly with D.G. Quillen and G.B. Segal.
2. *Some Elementary Gauge Theory Concepts*, World Scientific Publ. Company, 1993, jointly with Chan Hong-Mo.
3. (ed.) *The Geometric Universe*, Oxford University Press, Oxford 1998, jointly with S. Huggett, L.J. Mason, K.P. Tod and N.M.J. Woodhouse.
4. (ed.) *Proceedings of the EWM Workshop on Moduli Spaces*, Oxford, July 1998, Oxford 1999, Hindawi 2003, jointly with Frances Kirwan and Sylvie Paycha.
5. (ed.) *Proceedings of the Tenth Oporto Meeting on Geometry, Topology and Physics*, International Journal of Modern Physics, Volume 18 (Suppl.), October 2003, jointly with Roger Picken.
6. (ed.) *Encyclopedia of Mathematical Physics*, eds. J.-P. Francoise, G.L. Naber and Tsou S.T. Oxford: Elsevier, 2006 (ISBN 978-0-1251-2666-3), 5 volumes.