

Publication List (2004 – April 2018)

1. “Another Formula for the Charged Lepton Masses”,
Yoshio Koide , Phys. Lett. B, **777** 131-133 (2018)
2. “Structure of Right-Handed Neutrino Mass Matrix”,
Yoshio Koide , Phys. Rev. D, **96**, 095005 (2017)
3. “Flavon VEV Scales in $U(3)\times U(3)'$ Model”,
Yoshio Koide, Hiroyuki Nishiura, Int.J. Mod. Phys. A **32**, 1750085-1-25 (2017)
4. “Sumino’s Cancellation Mechanism in an Anomaly-Free Model”,
Yoshio Koide, Mod. Phys. Lett. A **32**, 1750062-10 (2017)
5. “Muon-Electron Conversion in a Family Gauge Boson Model”,
Yoshio Koide, Masato Yamanaka, Phys. Lett. B **762**, 41-46 (2016)
6. “Quark and Lepton Mass Matrices Described by Charged Lepton Masses”,
Yoshio Koide, Hiroyuki Nishiura, Mod. Phys. Lett. A, **31**, 1650125-1-13 (2016)
7. “Quark and Lepton Mass Matrix Model with Only Six Family-Independent Parameters”,
Yoshio Koide, Hiroyuki Nishiura, Phys.Rev.D 92, 111301(R) 1-6 (2015)
8. “Quark and lepton mass matrix model with only six family-independent parameters”,
Yoshio Koide, Hiroyuki Nishiura, Phys. Rev. D, **92**, 111301(R)1-6 (2015).
9. “Family gauge boson production at the LHC”,
Yoshio Koide, Masato Yamanaka and Hiroshi Yokoya, Phys. Lett. B, **750**, 384-389 (2015).
10. “Family gauge boson mass estimated from $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ ”,
Yoshio Koide, Phys. Rev. D, **92**, 036009-1 - 036009-5 (2015).
11. “Can family gauge bosons be visible by terrestrial experiments?”,
Yoshio Koide, JPS Conf. Proc. , 010009-010013 (2015).
12. “Origin of hierarchical structures of quark and lepton mass matrices”,
Yoshio Koide, Hiroyuki Nishiura, Phys. Rev. D, **91**, 116002-1-10 (2015).
13. “Phenomenology of harmless family gauge bosons to K^0 - \bar{K}^0 mixing”,
Yoshio Koide, Int.J.Mod.Phys. A **30** 1550017-1550029 (2015).
14. “Hint of family gauge bosons with an inverted mass hierarchy from the observed tau decays”,
Yoshio Koide, Nucl.Phys. B (Proc.Suppl.) 253-255, 218-219 (2014).

15. “Spectroscopy of family gauge bosons”,
Yoshio Koide, Phys. Lett. B, **736**, 499 - 505 (2014).
16. “Universal bilinear form of quark and lepton mass matrices”,
Yoshio Koide, Hiroyuki Nishiura, Phys. Rev. D, **90**, 016009-1-10 (2014).
17. “Leptonic CP violating phase in the Yukawaon model”,
Yoshio Koide, and Hiroyuki Nishiura, Phys. Rev. D, **90**, 117903-1-5 (2014).
18. “Effective valence quark model and a possible dip in $dBr(B \rightarrow K\ell\bar{\ell})/dq^2$ ”,
Hiroyuki Ishida and Yoshio Koide, Int. J. Mod. Phys. **A 29**, 1450040 (2014),
19. “Yukawaon model with anomaly free set of quarks and leptons in a $U(3)$ family symmetry”,
Yoshio Koide, Hiroyuki Nishiura, Phys. Rev. D, **88**, 116004-1-116004-11 (2013).
20. “Neutrino mass matrix model with a bilinear form”,
Yoshio Koide and Hiroyuki Nishiura, J. High Ener. Phys. **04**, 166-1 - 166-13 (2013).
21. “Can mass of the lightest family gauge boson be of the order of TeV?”,
Yoshio Koide, Phys. Rev. D **87**, 016016-1-016016-7 (2013).
22. “Large θ_{13} and unified description of quark and lepton mixing matrices”,
Yoshio Koide and Hiroyuki Nishiura, Eur. Phys. J. C **73**, 2277-1-2277-7 (2013).
23. “Can mass of the lightest family gauge boson be of the order of TeV?”,
Yoshio Koide, Phys. Rev. **D 87**, 016016 (2013),
24. “Large θ_{13} and unified description of quark and lepton mixing matrices”,
Yoshio Koide and Hiroyuki Nishiura, Europ. Phys. J., **C 73**, 2277 (2013),
25. “ Family gauge bosons with an inverted mass hierarchy”,
Yoshio Koide and Toshifumi Yamashita, Phys. Lett., **B 711**, 384 - 398 (2012),
26. “Yukawaon model with $U(3) \times S_3$ family symmetries”,
Yoshio Koide and Hiroyuki Nishiura, Phys. Lett. **B 712**, 396 - 400 (2012),
27. “Neutrino mass matrix with no adjustable parameters”,
Yoshio Koide and Hiroyuki Nishiura, Euro. Phys. J. **C 72**, 1933-1 - 1933-10 (2012) .
28. “ $SU(5)$ -compatible yukawaon model”,
Yoshio Koide, Int. J. Mod. Phys. **A**, **27**, 085004 - 08515 (2012).
29. “Yukawaon model with $U(3) \times O(3)$ family symmetries”,
Yoshio Koide, J. Phys. **G: Nucl. Part. Phys.** 38, 085004-1-085004-12 (2011).
30. “Unified description of quark and lepton mixing matrices based on a Yukawaon model”,
Hiroyuki Nishiura and Yoshio Koide, Phys. Rev. **D 83**, 035010-1-035010-8 (2011).

31. “Tests of a family gauge symmetry model at 10^3 TeV scale”,
Yoshio Koide, Yukinari Sumino and Masato Yamanaka, Phys. Lett. **B 695**, 274-284 (2011).
32. “How can CP violation in the neutrino sector be large in a $2 \leftrightarrow 3$ symmetric model?”,
Yoshio Koide and Hiroyuki Nishiura, Int. J. Mod. Phys. **A**, 25, 3661-3673 (2010).
33. “Charged lepton mass spectrum and a scalar potential model”,
Yoshio Koide, Phys. Rev. D **81**, 097901-1 - 097901-4 (2010).
34. “Can massless and light yukawaons be harmless?”,
Yoshio Koide, Int. J. Mod. Phys. **A** 25, 1725-1738, (2010).
35. “Yukawaon approach to the Sumino relation for charged lepton masses”,
Yoshio Koide, Phys. Lett. **B 687**, 219-224 (2010).
36. “Charged lepton mass relations in a supersymmetric Yukawaon model”,
Yoshio Koide, Phys. Rev. **D 79**, 033009-1 - 033009-5 (2009).
37. “Phenomenological meaning of a neutrino mass matrix related to up-quark masses”,
Yoshio Koide, Phys. Rev. **D 78**, 093006-1 -093006-8 (2008).
38. “An empirical neutrino mass matrix related to up-quark masses”,
Yoshio Koide, J. Phys. **G 35**, 125005-1 - 125004-11 (2008).
39. “Testable deviations from exact tribimaximal mixing”,
Yoshio Koide, and Hiroyuki Nishiura, Phys. Lett. **B 669**, 24-27, (2008).
40. “Neutrino mass hierarchies in a mass matrix form versus its inverse form”,
Yoshio Koide, Phys. Rev. **D 78**, 037302-01 - 037302-03 (2008).
41. “ $O(3)$ flavor symmetry and an empirical neutrino mass matrix”,
Yoshio Koide, Phys. Lett. **B 665**, 227-230 (2008).
42. “How to Evade a No-Go Theorem in Flavor Symmetries”,
Yoshio Koide, AIP Conference Proceedings, 1015, 80-86, (2008), Invited talk at GUT07.
43. “ F -term induced flavor mass spectrum”,
Naoyuki Haba and Yoshio Koide, J. High Ener. Phys. **06**, 023-1 - 023-12 (2008) .
44. “ $U(3)$ -flavor nonet scalar as an origin of the flavor mass spectra”,
Yoshio Koide, Phys. Lett. **B 662**, 43-48 (2008).
45. “Neutrino mixing based on mass matrices with a $2 \leftrightarrow 3$ symmetry”,
Yoshio Koide and Eiichi Takasugi, Phys. Rev. **D 77**, 016006-01- 016006-07 (2008).

46. “New origin of a bilinear mass matrix form”,
Naoyuki Haba and Yoshio Koide, Phys. Lett. **B**, 659, 260-274 (2008).
47. “ A_4 symmetry and lepton masses and mixings”,
Yoshio Koide, Euro. Phys. J. **C** **52**, 617-623 (2007).
48. “ S_4 flavor symmetry embedded into SU(3) and lepton masses and mixing”,
Yoshio Koide, J. High Ener. Phys. **08**, 086-99 (2007).
49. . “Charged Lepton Mass Formula – Development and Prospect –”,
Yoshio Koide, Int. J. Mod. Phys. **E** **16**, 1417-1426 (2007), , an invited talk at NMM2007.
50. “Tribimaximal neutrino mixing and a relation between neutrino- and charged lepton-mass spectra”,
Yoshio Koide, J. Phys. **G**, 34, 1653-1664(2007).
51. “ S_3 symmetry and neutrino masses and mixings”,
Yoshio Koide, Euro. Phys. J. **C** **50**, 809 - 816 (2007).
52. “Shape of the unitary triangle and phase conventions of the CKM matrix”,
Yoshio Koide, Phys. Rev. **D** **73**, 073002-1 - 073002-7 (2006).
53. “Seesaw mass matrix model of quarks and leptons with flavor-triplet Higgs scalars”,
Yoshio Koide, Euro. Phys. J. **C** **48**, 223 -228 (2006).
54. “Maximal CP violation hypothesis and phase convention of the CKM matrix”,
Yoshio Koide, Phys. Lett. **B** **607**, 123 - 130 (2005).
55. “What happens if an unbroken flavor symmetry exists?”,
Yoshio Koide, Phys. Rev. **D** **71**, 016010-1 - 016010-06 (2005).
56. “Neutrino masses induced by R -parity violation in a SUSY SU(5) model with additional $\bar{5}'_L + 5'_L$ ”,
Yoshio Koide, Phys. Lett. **B** **595**, 469 - 475 (2004),.
57. “Universal texture of quark and lepton mass matrices with an extended flavor $2 \leftrightarrow 3$ symmetry”,
Yoshio Koide, Phys. Rev. **D** **69**, 093001-1 - 093001-09 (2004).
58. “Neutrino masses without seesaw mechanism in a SUSY SU(5) Model with Additional $5' + 5'$ Model ”,
Yoshio Koide, ICHEP 2004, 328-331, (2004), an invited talk at 32nd International Conference on High Energy Physics, 2004, Beijing, Republic China.