Publications Ph. Podsiadlowski: Refereed Papers (since 2003)

1. "Cataclysmic Variables with Evolved Secondaries and the Progenitors of AM CVn Stars."
   Podsiadlowski, Ph., Han, Z., & Rappaport, S. 2003, MNRAS, 340, 1214

2. "On the Formation and Evolution of Black-Hole Binaries."
   Podsiadlowski, Ph., Rappaport, S., & Han, Z. 2003, MRNAS, 341, 385

3. "The origin of subdwarf B stars – II."
   Han, Z., Podsiadlowski, Ph., Maxted, P. F. L., & Marsh, T. R. 2003, MNRAS, 341, 669

4. "The Galactic Population of Low- and Intermediate-Mass X-ray Binaries."
   Pfahl, E., Rappaport, S., & Podsiadlowski, Ph. 2003, ApJ, 597, 1036

5. "On the Evolution and Appearance of a Surviving Companion after a Type Ia Supernova Explosion."
   Podsiadlowski, Ph. 2003, MNRAS, submitted (astro-ph/0303660)

6. "The Progenitors of sdB Binaries: Confronting Theory with Observations."
   Podsiadlowski, Ph., & Han, Z. 2004, Ap&SS, 291, 291

7. "The single degenerate channel for the progenitors of type Ia supernovae."
   Han, Z., & Podsiadlowski, Ph. 2004, MNRAS, 350, 1301

8. "The Effects of Binary Evolution on the Dynamics of Core Collapse and Neutron-Star Kicks."
   Podsiadlowski, Ph., Langer, N., Poelarends, A. J. T., Rappaport, S., Heger, A., & Pfahl, E. 2004, ApJ, 612, 1044 (astro-ph/0309588)

9. "The launch of a disc wind and a jet in a microquasar."
   Miller-Jones, J. C. A., Blundell, K. M., Duffy, P., Podsiadlowski, Ph., Mioduszewski, A., Rupen, M. P., Trushkin S. 2003, submitted

10. "The massive binary companion star to the progenitor of supernova 1993J."
    Maund, J. R., Smartt, S. J., Kudritzki, R. P., Podsiadlowski, Ph., & Gilmore, G. F. 2004, Nat, 2004, 427, 129

11. "The Rates of Hypernovae and Gamma-Ray Bursts: Implications for Their Progenitors."
    Podsiadlowski, Ph., Mazzali, P. A., Nomoto, K., Lazzati, D., & Cappellaro, E., 2004, ApJ, 607, L17

12. "Stellar-mass black-hole binaries as ultraluminous X-ray sources."
    Rappaport, S., Podsiadlowski, Ph., & Pfahl, E. 2005, MNRAS, 356, 401

13. "A two-streams formalism for the convective Urca process."
    Lesaffre, P., Podsiadlowski, Ph., & Tout, C. A. 2005, MNRAS, 356, 131

14. "Relativistic Binary Pulsars with Black-Hole Companions."
    Pfahl, E., Podsiadlowski, Ph., & Rappaport, S. 2005, ApJ, 628, 343

15. "High-velocity Features: a Ubiquitous Property of Type Ia SNe."
    Mazzali, P. A., et al. 2005, ApJ, 623, 37 (astro-ph/0502531)

16. "The Double Pulsar J0737–3039: Testing the Neutron Star Equation of State."
    Podsiadlowski, Ph., Dewi, J. D. M., Lesaffre, P., Miller, J. C., Newton, W., & Stone, J. R. 2005, MNRAS, 361, 1243

17. "The spin period – eccentricity relation of double neutron stars: evidence for weak supernova kicks?."
Dewi, J. D. M., Podsiadlowski, Ph., & Pols, O. R. 2005, MNRAS, 363, L71

18. "An Infrared Imaging Survey of the Faint Chandra Sources near the Galactic Centre."
Bandyopadhyay, R. M., Miller-Jones, J. C. A., Blundell, K. M., Bauer, F. E., Podsiadlowski, Ph., Gosling, A. J., Wang, Q. D., Pfahl, E., & Rappaport, S. 2005, MNRAS, 364, 1195 (astro-ph/0509346)

19. "The convective Urca process."
Lesaffre, P., Podsiadlowski, Ph., & Tout, C. A. 2005, NuPhA, 758, 463

20. "Anisotropic mass ejection in binary mergers."
Morris, T., & Podsiadlowski, Ph. 2006, MNRAS, 365, 2 (astro-ph/0502288)

21. "Models of Ultraluminous X-Ray Sources with Intermediate-Mass Black Holes."
Madhusudhan, N., Justham, S., Nelson, L., Paxton, B., Pfahl, E., Podsiadlowski, Ph., & Rappaport, S. 2006, ApJ, 640, 918 (astro-ph/0511393)

22. "Magnetic Braking of Ap/Bp Stars: Application to Compact Black-Hole X-Ray Binaries"
Justham, S., Rappaport, S., & Podsiadlowski, Ph. 2006, MNRAS, 366, 1415 (astro-ph/0511760)

23. "A single-degenerate model for the progenitor of the Type Ia supernova 2002ic."
Han, Z., & Podsiadlowski Ph. 2006, MNRAS, 368, 1095 (astro-ph/0602229)

24. "The ^{58}Ni/^{56}Ni ratio as a second parameter for Type Ia Supernova properties."
Mazzali, P. A., & Podsiadlowski, Ph. 2006, MNRAS, 369, 19 (astro-ph/0604032)

25. "Double-Core Evolution and the Formation of Neutron Stars with Compact Companions."
Dewi, J. D. M., & Podsiadlowski, Ph. 2006, MNRAS, 368, 1742 (astro-ph/0602510)

26. "The C-flash and the ignition conditions of Type Ia supernovae."
Lesaffre, P., Han, Z., Tout, C. A., Podsiadlowski, Ph., & Martin R. 2006, MNRAS, 368, 187 (astro-ph/0601443)

27. "The UV Upturn of Elliptical Galaxies." Han, Z., Podsiadlowski, Ph., & Lynas-Gray, A. E. 2006, BaltA, 15, 17

28. "Constraints on SN Ia progenitor time delays from high-z SNe and the Star-Formation History."
Förster, F., Wolf, Ch., Podsiadlowski, Ph., & Han, Z. 2006, MNRAS, 368, 1893 (astro-ph/0601454)

29. "The metallicity dependence of the long-duration gamma-ray burst rate from host galaxy luminosities."
Wolf, Ch., & Podsiadlowski, Ph. 2007, MNRAS, 375, 1049

30. "The Origin and Evolution of Symbiotic Binaries."
Podsiadlowski, Ph. Mohamed, S. 2007, BaltA, 16, 26

31. "The triple-ring nebula around SN 1987A: fingerprint of a binary merger."
Morris, T., Podsiadlowski, Ph., 2007, Science, 315, 1103

32. "Cosmological Implications of the Second Parameter of Type Ia Supernovae." Podsiadlowski, Ph., Mazzali,, P. A., Lesaffre, P., Wolf, C. Förster, F. 2006 (astro-ph/0608324)

33. "A binary model for the UV upturn of elliptical galaxies."
Han, Z., Podsiadlowski, Ph., & Lynas-Gray, A. E. L. G. 2007, MNRAS, 380, 1098 (arXiv:0704.0863)

34. "A New Population of High Redshift Short-Duration Gamma-Ray Bursts."
Berger, E., et al. 2007, ApJ, 664, 1000 (astro-ph/0608324)

35. "Remnant evolution after a carbon-oxygen white dwarf merger."
Yoon, S.-C., Podsiadlowski, Ph., & Rosswog, S. 2007, MNRAS, 390, 933 (arXiv:0704.02797)

36. "Detection of Circumstellar Material in a Normal Type Ia Supernova."
Patat, F., et al. 2007, Science, 317, 924

37. "Upper limit for circumstellar gas around the type Ia SN 2000cx."
Patat, F., et al., 2007, A&A, 474, 931

38. "Constraints on Type Ib/c Supernovae and Gamma-Ray Burst Progenitors."
Fryer, C. L., et al., 2007, PASP, 119, 1211

39. "Models for the Observable System Parameters of Ultraluminous X-ray Sources."
Madhusudhan, N., Rappaport, S., Podsiadlowski, Ph., & Nelson L., 2007, ApJ, submitted (arXiv:0710.3854)

40. "On the surviving companions of Type Ia supernovae."
Stephen, J, Wolf, C., Podsiadlowski, Ph., & Han, Z., 2007, submitted

41. "Gamma-ray bursts from tidally spun-up Wolf-Rayet stars?"
Detmers, R. G., Langer, N., Podsiadlowski, Ph., & Izzard, R. G. 2008, submitted

42. "Supernova Shock Breakout from a Red Supergiant."
Schawinski, K., et al., 2008, submitted

43. "Subaru high-resolution spectroscopy of Star G in the Tycho supernova remnant."
Kerzendorf, W. E., Schmidt, B. P., Asplund, M., Nomoto, K., Podsiadlowski, Ph., Frebel, A., & Fesen, R. A., 2008, ApJ, submitted

44. "The Dark Side Exposed – Hidden Neutron Stars and Black Holes in Hot Subdwarf Binaries."
Geier, S., Edelmann, H., Heber, U., Napiwotzki, R., & Podsiadlowski, Ph., 2008, submitted

45. "On the origin of the single and binary helium-rich sdO stars."
Justham, S., Podsiadlowski, Ph., & Han, Z., 2008, MNRAS, submitted

46. "Explosive Common-Envelope Ejection: Implications for Gamma-Ray Bursts and Low-Mass Black-Hole Binaries."
Podsiadlowski, Ph., Ivanova, N., Justham, S., Rappaport, S., 2008, MNRAS, submitted

47. "Implications for Gamma-Ray Bursts and X-Ray Binaries of the Metallicity Dependence of Case C Mass Transfer."
Justham, S., & Podsiadlowski, Ph., 2008, MNRAS, submitted