

# PUBLICATION LIST - PAUL MCMILLAN

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8968 total citations ◇ 1178 citations as first author

1. “Kinematics with Gaia DR2: The Force of a Dwarf”, Carrillo, I., Minchev, I., Steinmetz, M., Monari, G., et al. (including **McMillan P.**, 2019), MNRAS, in press.
2. “Distances and parallax bias in Gaia DR2”, Schönrich, R., **McMillan P.** & Eyer, L. (2019), MNRAS, 487, 3568. (Citations to date 23.)
3. “Voyage 2050 White Paper: All-Sky Visible and Near Infrared Space Astrometry”, Hobbs, D., Brown, A., Høg, E., Jordi, C., et al. (including **McMillan P.**, 2019), arXiv:1907.12535.
4. “Radial abundance gradients in the outer Galactic disk as traced by main-sequence OB stars”, Bragança, G., Daflon, S., Lanz, T., Cunha, K., et al. (including **McMillan P.**, 2019), A&A, 625, A120. (Citations to date 1.)
5. “4MOST Consortium Survey 4: Milky Way Disc and Bulge High-Resolution Survey (4MIDABLE-HR)”, Bensby, T., Bergemann, M., Rybizki, J., Lemasle, B., et al. (including **McMillan P.**, 2019), Msngr, 175, 35. (Citations to date 2.)
6. “4MOST: Project overview and information for the First Call for Proposals”, de Jong, R., Agertz, O., Berbel, A., Aird, J., et al. (including **McMillan P.**, 2019), Msngr, 175, 3. (Citations to date 18.)
7. “4MOST Consortium Survey 3: Milky Way Disc and Bulge Low-Resolution Survey (4MIDABLE-LR)”, Chiappini, C., Minchev, I., Starkenburg, E., Anders, F., et al. (including **McMillan P.**, 2019), Msngr, 175, 30. (Citations to date 4.)
8. “Gaia Data Release 2. Variable stars in the colour-absolute magnitude diagram”, Gaia Collaboration, Eyer, L., Rimoldini, L., Audard, M., et al. (including **McMillan P.**, 2019), A&A, 623, A110. (Citations to date 34.)
9. “Spiral arm crossings inferred from ridges in Gaia stellar velocity distributions”, Quillen, A., Carrillo, I., Anders, F., **McMillan P.**, et al. (2018), MNRAS, 480, 3132. (Citations to date 21.)
10. “Gaia Data Release 2. The celestial reference frame (Gaia-CRF2)”, Gaia Collaboration, Mignard, F., Klioner, S., Lindegren, L., et al. (including **McMillan P.**, 2018), A&A, 616, A14. (Citations to date 38.)
11. “Gaia Data Release 2. Observations of solar system objects”, Gaia Collaboration, Spoto, F., Tanga, P., Mignard, F., et al. (including **McMillan P.**, 2018), A&A, 616, A13. (Citations to date 21.)
12. “Gaia Data Release 2. Observational Hertzsprung-Russell diagrams”, Gaia Collaboration, Babusiaux, C., van Leeuwen, F., Barstow, M., et al. (including **McMillan P.**, 2018), A&A, 616, A10. (Citations to date 213.)
13. “Gaia Data Release 2. The astrometric solution”, Lindegren, L., Hernández, J., Bombrun, A., Klioner, S., et al. (including **McMillan P.**, 2018), A&A, 616, A2. (Citations to date 597.)
14. “Gaia Data Release 2. Kinematics of globular clusters and dwarf galaxies around the Milky Way”, Gaia Collaboration, Helmi, A., van Leeuwen, F., **McMillan P.**, et al. (2018), A&A, 616, A12. (Citations to date 179.)
15. “Gaia Data Release 2. Mapping the Milky Way disc kinematics”, Gaia Collaboration, Katz, D., Antoja, T., Romero-Gómez, M., et al. (including **McMillan P.**, 2018), A&A, 616, A11. (Citations to date 110.)

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17. “Improved distances and ages for stars common to TGAS and RAVE”, **McMillan P.**, Kordopatis, G., Kunder, A., Binney, J., et al. (2018), *MNRAS*, 477, 5279. (Citations to date 34.)
18. “Correlations between age, kinematics, and chemistry as seen by the RAVE survey”, Wojno, J., Kordopatis, G., Steinmetz, M., **McMillan P.**, et al. (2018), *MNRAS*, 477, 5612. (Citations to date 6.)
19. “Simple Distance Estimates for Gaia DR2 Stars with Radial Velocities”, **McMillan P.** (2018), *RNAAS*, 2, 51. (Citations to date 10.)
20. “Coma Berenices: The First Evidence for Incomplete Vertical Phase-mixing in Local Velocity Space with RAVE—Confirmed with Gaia DR2”, Monari, G., Famaey, B., Minchev, I., Antoja, T., et al. (including **McMillan P.**, 2018), *RNAAS*, 2, 32. (Citations to date 11.)
21. “Gaia DR2 Confirms that Candidate Thorne-Żytkow Object HV 2112 is in the Small Magellanic Cloud”, **McMillan P.** & Church, R. (2018), *RNAAS*, 2, 18.
22. “Is the Milky Way still breathing? RAVE-Gaia streaming motions”, Carrillo, I., Minchev, I., Kordopatis, G., Steinmetz, M., et al. (including **McMillan P.**, 2018), *MNRAS*, 475, 2679. (Citations to date 26.)
23. “Climbing the cosmic ladder with stellar twins in RAVE with Gaia”, Jofré, P., Traven, G., Hawkins, K., Gilmore, G., et al. (including **McMillan P.**, 2017), *MNRAS*, 472, 2517. (Citations to date 7.)
24. “Gaia Data Release 1. Testing parallaxes with local Cepheids and RR Lyrae stars”, Gaia Collaboration, Clementini, G., Eyler, L., Ripepi, V., et al. (including **McMillan P.**, 2017), *A&A*, 605, A79. (Citations to date 49.)
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26. “Understanding inverse metallicity gradients in galactic discs as a consequence of inside-out formation”, Schönrich, R. & **McMillan P.** (2017), *MNRAS*, 467, 1154. (Citations to date 41.)
27. “Gaia Data Release 1. Open cluster astrometry: performance, limitations, and future prospects”, Gaia Collaboration, van Leeuwen, F., Vallenari, A., Jordi, C., et al. (including **McMillan P.**, 2017), *A&A*, 601, A19. (Citations to date 60.)
28. “RAVE stars in K2. I. Improving RAVE red giants spectroscopy using asteroseismology from K2 Campaign 1”, Valentini, M., Chiappini, C., Davies, G., Elsworth, Y., et al. (including **McMillan P.**, 2017), *A&A*, 600, A66. (Citations to date 24.)
29. “On the metallicity dependence of the [Y/Mg]-age relation for solar-type stars”, Feltzing, S., Howes, L., **McMillan P.** & Stonkutė, E. (2017), *MNRAS*, 465, L109. (Citations to date 21.)
30. “The mass distribution and gravitational potential of the Milky Way”, **McMillan P.** (2017), *MNRAS*, 465, 76. (Citations to date 176.)
31. “The Radial Velocity Experiment (RAVE): Fifth Data Release”, Kunder, A., Kordopatis, G., Steinmetz, M., Zwitter, T., et al. (including **McMillan P.**, 2017), *AJ*, 153, 75. (Citations to date 242.)
32. “The Gaia mission”, Gaia Collaboration, Prusti, T., de Bruijne, J., Brown, A., et al. (including **McMillan P.**, 2016), *A&A*, 595, A1. (Citations to date 1574.)

33. “Gaia Data Release 1. Astrometry: one billion positions, two million proper motions and parallaxes”, Lindegren, L., Lammers, U., Bastian, U., Hernández, J., et al. (including **McMillan P.**, 2016), *A&A*, 595, A4. (Citations to date 507.)
34. “Gaia Data Release 1. Summary of the astrometric, photometric, and survey properties”, Gaia Collaboration, Brown, A., Vallenari, A., Prusti, T., et al. (including **McMillan P.**, 2016), *A&A*, 595, A2. (Citations to date 1149.)
35. “Gaia Data Release 1. Pre-processing and source list creation”, Fabricius, C., Bastian, U., Portell, J., Castañeda, J., et al. (including **McMillan P.**, 2016), *A&A*, 595, A3. (Citations to date 57.)
36. “Chemical separation of disc components using RAVE”, Wojno, J., Kordopatis, G., Steinmetz, M., **McMillan P.**, et al. (2016), *MNRAS*, 461, 4246. (Citations to date 21.)
37. “GaiaNIR: Combining optical and Near-Infra-Red (NIR) capabilities with Time-Delay-Integration (TDI) sensors for a future Gaia-like mission”, Hobbs, D., Høg, E., Mora, A., Crowley, C., et al. (including **McMillan P.**, 2016), arXiv:1609.07325. (Citations to date 13.)
38. “Torus mapper: a code for dynamical models of galaxies”, Binney, J. & **McMillan P.** (2016), *MNRAS*, 456, 1982. (Citations to date 25.)
39. “Identification of globular cluster stars in RAVE data - I. Application to stellar parameter calibration”, Anguiano, B., Zucker, D., Scholz, R., Grebel, E., et al. (including **McMillan P.**, 2015), *MNRAS*, 451, 1229. (Citations to date 16.)
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41. “The rich are different: evidence from the RAVE survey for stellar radial migration”, Kordopatis, G., Binney, J., Gilmore, G., Wyse, R., et al. (including **McMillan P.**, 2015), *MNRAS*, 447, 3526. (Citations to date 47.)
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43. “New distances to RAVE stars”, Binney, J., Burnett, B., Kordopatis, G., **McMillan P.**, et al. (2014), *MNRAS*, 437, 351. (Citations to date 85.)
44. “In the thick of it: metal-poor disc stars in RAVE”, Kordopatis, G., Gilmore, G., Wyse, R., Steinmetz, M., et al. (including **McMillan P.**, 2013), *MNRAS*, 436, 3231. (Citations to date 45.)
45. “The Radial Velocity Experiment (RAVE): Fourth Data Release”, Kordopatis, G., Gilmore, G., Steinmetz, M., Boeche, C., et al. (including **McMillan P.**, 2013), *AJ*, 146, 134. (Citations to date 236.)
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