

## **Publications of William McFadden Orr MRIA, FRS**

- 1898 'The contact relations of certain systems of circles and conics' in *Transactions of the Cambridge Philosophical Society* 16:2, 95-115.
- 1898 'On the forced precession and nutations of a rotating ellipsoidal shell containing liquid' in *Philosophical Magazine and Journal of Science* 46, 545-553.
- 1899 'Theorems relating to the product of two hypergeometric series' in *Transactions of the Cambridge Philosophical Society* 17:1, 1-15.
- 1899 'On divergent (or semiconvergent) hypergeometric series' in *Transactions of the Cambridge Philosophical Society* 17:3, 172-199.
- 1899 'On divergent hypergeometric series' in *Transactions of the Cambridge Philosophical Society* 19:3, 284-290.
- 1900 'Considerations regarding the theory of electrons' in *Philosophical Magazine and Journal of Science* 50, 269-278.
- 1903 'The impossibility of undamped vibrations in an unbound dielectric' in *Philosophical Magazine and Journal of Science* 6, 667-673.
- 1903 Proof of Lagrange's equations of motion, &c. in *Nature Magazine* 67, 415.
- 1903 'On divergent hypergeometric series' in *Transactions of the Cambridge Philosophical Society* 19:1, 152-155.
- 1904 'Note on the radiation from an alternating circular electric current' in *Philosophical Magazine and Journal of Science* 7, 336-341.
- 1904 'On Clausius' theorem for irreversible cycles and on the increase of entropy' in *Philosophical Magazine and Journal of Science* 8, 509-527.
- 1905 'On Clausius' theorem for irreversible cycles and on the increase of entropy' in *Philosophical Magazine and Journal of Science* 9, 728-730.
- 1907 'The stability or instability of the steady motions of a perfect liquid and of a viscous fluid: part 1' in *Proceedings of the Royal Irish Academy* A:27, 9-68.
- 1907 'The stability or instability of the steady motions of a perfect liquid and of a viscous fluid: part 2' in *Proceedings of the Royal Irish Academy* A:27, 69-138.
- 1908 'The mixing of gases: remarks on Mr Burbury's paper' in *Philosophical Magazine and Journal of Science* 15, 297-300.
- 1909 'Extensions of Fourier's and the Bessel-Fourier theorems: part 1' in *Proceedings of the Royal Irish Academy* A:27, 205-248.
- 1909 *Notes on thermodynamics for the use of students in the Royal College of Science for Ireland*
- 1911 'Extensions of Fourier's and the Bessel-Fourier theorems: part 2' in *Proceedings of the Royal Irish Academy* A:29, 10-32.
- 1911 'Solutions of systems of ordinary linear differential equations by contour integrals' in *Proceedings of the Royal Irish Academy* A:31, 115-130.
- 1923 'Note on Mr Lee's paper on the whirling of an overhung shaft' in *Philosophical Magazine and Journal of Science* 45, 708-714.
- 2022 'Orr-Sommerfeld Stability Equation' in Wikipedia Encyclopedia, [Orr-Sommerfeld equation - Wikipedia](#) (accessed 22 November 2022)