

Short-Author Publications

- [1] **E. Seo**, X. Shan, J. Janquart, O. Hannuksela, M. Hendry, and B. Hu. “Residual test to search for microlensing signatures in strongly lensed gravitational wave signals”. In: *The Astrophysical Journal* 988.2 (2025), p. 159.
- [2] J. C. Chan, **E. Seo**, A. K. Li, H. Fong, and J. M. Ezquiaga. “Detectability of lensed gravitational waves in matched-filtering searches”. In: *Physical Review D* 111.8 (2025), p. 084019.
- [3] **E. Seo**, T. G. Li, and M. A. Hendry. “Inferring properties of dark galactic halos using strongly lensed gravitational waves”. In: *The Astrophysical Journal* 966.1 (2024), p. 107.
- [4] K. Kim, **E. Seo***, and C. Kim. “Gravitational lensing aided luminosity distance estimation for compact binary coalescences”. In: *Physical Review D* 109.4 (2024), p. 043017.
- [5] S. M. Yeung, M. H. Cheung, **E. Seo**, J. A. Gais, O. A. Hannuksela, and T. G. Li. “Detectability of microlensed gravitational waves”. In: *Monthly Notices of the Royal Astronomical Society* 526.2 (2023), pp. 2230–2240.
- [6] **E. Seo**, O. A. Hannuksela, and T. G. Li. “Improving detection of gravitational-wave microlensing using repeated signals induced by strong lensing”. In: *The Astrophysical Journal* 932.1 (2022), p. 50.
- [7] J. Gais, K. K. Ng, **E. Seo**, K. W. Wong, and T. G. Li. “Inferring the intermediate-mass black hole number density from gravitational-wave lensing statistics”. In: *The Astrophysical Journal Letters* 932.1 (2022), p. L4.
- [8] J. Janquart, **E. Seo**, O. A. Hannuksela, T. G. Li, and C. Van Den Broeck. “On the identification of individual gravitational-wave image types of a lensed system using higher-order modes”. In: *The Astrophysical Journal Letters* 923.1 (2021), p. L1.

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LIGO-Virgo-KAGRA Collaboration Publications with direct contributions

- [9] M. Wright, J. Janquart, P. Cremonese, J. C. Chan, A. K. Li, O. A. Hannuksela, R. K. Lo, J. M. Ezquiaga, D. Williams, M. Williams, et al. “LensingFlow: An Automated Workflow for Gravitational Wave Lensing Analyses”. In: *arXiv preprint arXiv:2507.20256* (2025).
- [10] J. Janquart, M. Wright, S. Goyal, J. C. Chan, A. Ganguly, Á. Garrón, D. Keitel, A. K. Li, A. Liu, R. K. Lo, et al. “Follow-up analyses to the O3 LIGO–Virgo–KAGRA lensing searches”. In: *Monthly Notices of the Royal Astronomical Society* 526.3 (2023), pp. 3832–3860.
- [11] R. Abbott, H. Abe, F. Acernese, K. Ackley, S. Adhicary, N. Adhikari, R. X. Adhikari, V. Adkins, V. Adya, C. Affeldt, et al. “Search for gravitational-lensing signatures in the full third observing run of the LIGO-Virgo network”. In: *arXiv preprint arXiv:2304.08393* (2023).
- [12] R. Abbott, T. D. Abbott, S. Abraham, F. Acernese, K. Ackley, A. Adams, C. Adams, R. X. Adhikari, V. Adya, C. Affeldt, et al. “Search for lensing signatures in the gravitational-wave observations from the first half of LIGO–Virgo’s third observing run”. In: *The Astrophysical Journal* 923.1 (2021), p. 14.

Contributed Review Articles

- [13] G. P. Smith, T. Baker, S. Birrer, C. E. Collins, J. M. Ezquiaga, S. Goyal, O. A. Hannuksela, P. Hémanta, M. A. Hendry, J. Janquart, et al. “Multi-messenger gravitational lensing”. In: *Philosophical Transactions A* 383.2295 (2025), p. 20240134.