

## Refereed Journal Articles

Monte Carlo radiative transfer for the nebular phase of Type Ia supernovae

**L. Shingles**, S. A. Sim, M. Kromer, K. Maguire, M. Bulla, C. Collins, C. P. Ballance, A. S. Michel, C. A. Ramsbottom, F. K. Röpké, I. R. Seitenzahl, N. B. Tyndall, 2018, MNRAS (submitted)

[Using late-time optical and near-infrared spectra to constrain Type Ia supernova explosion properties](#)

K. Maguire, S. A. Sim, **L. Shingles**, J. Spyromilio, A. Jerkstrand, M. Sullivan, T.-W. Chen, R. Cartier, G. Dimitriadis, C. Frohmaier, L. Galbany, C. P. Gutiérrez, G. Hosseinzadeh, D. A. Howell, C. Inserra, R. Rudy, J. Sollerman, 2018, MNRAS

[A kilonova as the electromagnetic counterpart to a gravitational-wave source](#)

S. J. Smartt, T.-W. Chen, A. Jerkstrand, M. Coughlin, E. Kankare, S. A. Sim, M. Fraser, C. Inserra, K. Maguire, K. C. Chambers, M. E. Huber, T. Krühler, G. Leloudas, M. Magee, **L. J. Shingles**, and 107 additional authors, 2017, Nature

[Multi-messenger Observations of a Binary Neutron Star Merger](#)

Joint-authored by several collaborations including ePESSTO (including **L. J. Shingles**), 2017, The Astrophysical Journal Letters

[A chemical signature from fast-rotating low-metallicity massive stars: ROA 276 in omega Centauri](#)

David Yong, John E. Norris, Gary S. Da Costa, Laura M. Stanford, Amanda I. Karakas, **Luke J. Shingles**, Raphael Hirschi, Marco Pignatari, 2017, ApJ, 837, 176

[Evolution and nucleosynthesis of helium-rich asymptotic giant branch models](#)

**Luke J. Shingles**, Carolyn L. Doherty, Amanda I. Karakas, Richard J. Stancliffe, John C. Lattanzio, Maria Lugaro, 2015, MNRAS, 452, 2804

[Iron and s-element abundance variations in NGC 5286: comparison with anomalous' globular clusters and Milky Way satellites](#)

A. F. Marino, A. P. Milone, A. I. Karakas, L. Casagrande, D. Yong, **L. Shingles**, G. Da Costa, J. Norris, P. B. Stetson, K. Lind, M. Asplund, R. Collet, H. Jerjen, L. Sbordone, A. Aparicio, & S. Cassisi, 2015, MNRAS, 450, 815

[The s-process enrichment of the globular clusters M4 and M22](#)

**Luke J. Shingles**, Amanda I. Karakas, Raphael Hirschi, Cherie K. Fishlock, David Yong, Gary S. Da Costa, & Anna F. Marino, 2014, ApJ, 795, 34

[Iron and neutron-capture element abundance variations in the globular cluster M2 \(NGC 7089\)](#)

David Yong, Ian U. Roederer, Frank Grundahl, Gary S. Da Costa, Amanda I. Karakas, John E. Norris, Wako Aoki, Cherie K. Fishlock, A. F. Marino, A. P. Milone, & **Luke J. Shingles**, 2014, MNRAS, 441, 3396

[Augmented reality in astrophysics](#)

Frédéric Vogt & **Luke J. Shingles**, 2013, Ap&SS, 347, 47

[Is the sulphur anomaly in planetary nebulae caused by the s-process?](#)

**Luke J. Shingles** & Amanda I. Karakas, 2013, MNRAS, 431, 2861