

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, 2019, MNRAS (submitted)

A year-long plateau in the late-time near-infrared light curves of Type Ia supernovae

Or Graur, Kate Maguire, Russell Ryan, Matt Nicholl, Arturo Avelino, Adam G. Riess, **Luke Shingles**, Ivo R. Seitenzahl, and Robert Fisher, 2019, Nature Astronomy (accepted)

[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