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Publication List

First-Author Articles in Refereed Journals

4. **Chen, T.-W.**, Nicholl, M., Smartt, S. J., Mazzali, P. A., Yates, R. M., Moriya, T. J., Inserra, C., Langer, N., Krühler, T., Pan, Y.-C., Kotak, R., Galbany, L., Schady, P., Wiseman, P., Greiner, J., Schulze, S., Man, A. W. S., Jerkstrand, A., Smith, K. W., Dennefeld, M., Baltay, C., Bolmer, J., Kankare, E., Knust, F., Maguire, K., Rabinowitz, D., Rostami, S., Sullivan, M., Young, D. R. “**The evolution of superluminous supernova LSQ14mo and its interacting host galaxy system**”, submitted to *A&A Journal*. eprint arXiv:1611.09910

3. **Chen, T.-W.**, Smartt, S. J., Yates, R. M., Nicholl, M., Krühler, T., Schady, P., Dennefeld, M., Inserra, C. “**A sub-solar metallicity is required for superluminous supernova progenitors**”, submitted to *MNRAS Journal*. eprint arXiv:1605.04925

2. **Chen, T.-W.**, Smartt, S. J., Jerkstrand, A., Nicholl, M., Bresolin, F., Kotak, R., Polshaw, J., Rest, A., Kudritzki, R., Zheng, Z., Elias-Rosa, N., Smith, K., Inserra, C., Wright, D., Kankare, E., Kangas, T., Fraser, M. “**The host galaxy and late-time evolution of the Super-Luminous Supernova PTF-12dam**”, 2015, *MNRAS*, 452, 1567C.

1. **Chen, T.-W.**, Smartt, S. J., Bresolin, F., Pastorello, A., Kudritzki, R.-P., Kotak, R., McCrum, M., Fraser, M., Valenti, S. “**The host galaxy of the super-luminous SN 2010gx and limits on explosive nickel-56 production**”, 2013, *Astrophysical Journal*, 763, L28.

Other Articles in Refereed Journals

29. Moriya, Takashi J., **Chen, Ting-Wan**, Langer, Norbert “**Properties of magnetars mimicking 56Ni-powered light curves in Type Ic superluminous supernovae**”, accepted by *ApJ Journal*, eprint arXiv:1612.06917

28. Leloudas, G., Fraser, M., Stone, N. C., van Velzen, S., Jonker, P. G., Arcavi, I., Fremling, C., Maund, J. R., Smartt, S. J., Krühler, T., Miller-Jones, J. C. A., Vreeswijk, P. M., Gal-Yam, A., Mazzali, P. A., De Cia, A., Howell, D. A., Inserra, C., Patat, F., de Ugarte Postigo, A., Yaron, O., Ashall, C., Bar, I., Campbell, H., **Chen, T.-W.**, Childress, M., Elias-Rosa, N., Harmanen, J., Hosseinzadeh, G., Johansson, J., Kangas, T., Kankare, E., Kim, S., Kuncarayakti, H., Lyman, J., Magee, M. R., Maguire, K., Malesani, D., Mattila, S., McCully, C. V., Nicholl, M., Prentice, S., Romero-Cañizales, C., Schulze, S., Smith, K. W., Sollerman, J., Sullivan, M., Tucker, B. E., Valenti, S., Wheeler, J. C., Young, D. R. “**The superluminous transient ASASSN-15lh as a tidal disruption event from a Kerr black hole**”, 2016, *NatAs*, 1E, 2L.

27. Nicholl, M., Berger, E., Margutti, R., Chornock, R., Blanchard, P. K., Jerkstrand, A., Smartt, S. J., Arcavi, I., Challis, P., Chambers, K. C., **Chen, T.-W.**, Cowperthwaite, P. S., Gal-Yam, A., Hosseinzadeh, G., Howell, D. A., Inserra, C., Kankare, E., Magnier, E. A., Maguire, K., Mazzali, P. A., McCully, C., Milisavljevic, D., Smith, K. W., Taubenberger, S., Valenti, S., Wainscoat, R. J., Yaron, O., Young, D. R. “**Superluminous Supernova SN 2015bn in the Nebular Phase: Evidence for the Engine-powered Explosion of a Stripped Massive Star**”, 2016, *ApJ*, 828L, 18N

26. Jerkstrand, A., Smartt, S. J., Inserra, C., Nicholl, M., **Chen, T.-W.**, Krühler, T., Sollerman, J., Taubenberger, S., Gal-Yam, A., Kankare, E., Maguire, K., Fraser, M., Valenti, S., Sullivan, M., Cartier, R., Young, D. R. “**Long-duration superluminous supernovae at late times**”, submitted to *ApJ* Journal, 2016arXiv160802994J.
25. Inserra, C., Fraser, M., Smartt, S. J., Benetti, S., **Chen, T.-W.**, Childress, M., Gal-Yam, A., Howell, D. A., Kangas, T., Pignata, G., Polshaw, J., Sullivan, M., Smith, K. W., Valenti, S., Young, D. R., Parker, S., Seccull, T., McCrum, M. “**On Type II_n/Ia-CSM supernovae as exemplified by SN 2012ca**”, 2016, *MNRAS*, 459, 2721I.
24. Smartt, S. J., Chambers, K. C., Smith, K. W., Huber, M. E., Young, D. R., **Chen, T.-W.**, Inserra, C., Wright, D. E., Coughlin, M., Denneau, L., Flewelling, H., Heinze, A., Jerkstrand, A., Magnier, E. A., Maguire, K., Mueller, B., Rest, A., Sherstyuk, A., Stalder, B., Schultz, A. S. B., Stubbs, C. W., Tonry, J., Waters, C., Wainscoat, R. J., Della Valle, M., Dennefeld, M., Dimitriadis, G., Firth, R. E., Fraser, M., Frohmaier, C., Gal-Yam, A., Harmanen, J., Kankare, E., Kotak, R., Kromer, M., Mandel, I., Sollerman, J., Gibson, B., Primak, N., Willman, M. “**A Search for an Optical Counterpart to the Gravitational-wave Event GW151226**”, 2016, *ApJ*, 827L, 40S
23. Yuan, Fang, Jerkstrand, A., Valenti, S., Sollerman, J., Seitzzahl, I. R., Pastorello, A., Schulze, S., **Chen, T.-W.**, Childress, M. J., Fraser, M., Fremling, C., Kotak, R., Ruiter, A. J., Schmidt, B. P., Smartt, S. J., Taddia, F., Terreran, G., Tucker, B. E., Barbarino, C., Benetti, S., Elias-Rosa, N., Gal-Yam, A., Howell, D. A., Inserra, C., Kankare, E., Lee, M. Y., Li, K. L., Maguire, K., Margheim, S., Mehner, A., Ochner, P., Sullivan, M., Tomasella, L., Young, D. R. “**450 d of Type II SN 2013ej in optical and near-infrared**”, 2016, *MNRAS*, 461, 2003Y.
22. Lawrence, A., Bruce, A. G., MacLeod, C., Gezari, S., Elvis, M., Ward, M., Smartt, S. J., Smith, K. W., Wright, D., Fraser, M., Marshall, P., Kaiser, N., Burgett, W., Magnier, E., Tonry, J., Chambers, K., Wainscoat, R., Waters, C., Price, P., Metcalfe, N., Valenti, S., Kotak, R., Mead, A., Inserra, C., **Chen, T. W.**, Soderberg, A. “**Slow-blue nuclear hypervariables in PanSTARRS-1**”, 2016, *MNRAS*, 463, 296L.
21. Polshaw, J., Kotak, R., Dessart, L., Fraser, M., Gal-Yam, A., Inserra, C., Sim, S. A., Smartt, S. J., Sollerman, J., Baltay, C., Rabinowitz, D., Benetti, S., Botticella, M. T., Campbell, H., **Chen, T.-W.**, Galbany, L., McKinnon, R., Nicholl, M., Smith, K. W., Sullivan, M., TakÅaqs, K., Valenti, S., Young, D. R. “**LSQ13fn: A type II-Plateau supernova with a possibly low metallicity progenitor that breaks the standardised candle relation**”, 2016, *A&A*, 588A, 1P.
20. Inserra, C., Smartt, S. J., Gall, E. E. E., Leloudas, G., **Chen, T.-W.**, Schulze, S., Jerkstrand, A., Nicholl, M., Anderson, J. P., Arcavi, I., Benetti, S., Cartier, R. A., Childress, M., Della Valle, M., Flewelling, H., Fraser, M., Gal-Yam, A., Gutierrez, C. P., Hosseinzadeh, G., Howell, D. A., Huber, M., Kankare, E., Magnier, E. A., Maguire, K., McCully, C., Prajs, S., Primak, N., Scalzo, R., Schmidt, B. P., Smith, K. W., Tucker, B. E., Valenti, S., Wilman, M., Young, D. R., Yuan, F. “**On the nature of Hydrogen-rich Superluminous Supernovae**”, submitted to *ApJ* Journal, 2016arXiv160401226I.
19. Abbott, B. P. et al. (incl. Chen, T.-W., total 1547 authors) “**Localization and Broadband Follow-up of the Gravitational-wave Transient GW150914**”, 2016, *ApJ*, 826L, 13A.
18. Magee, M. R., Kotak, R., Sim, S. A., Kromer, M., Rabinowitz, D., Smartt, S. J., Baltay, C., Campbell, H. C., **Chen, T.-W.**, Fink, M., Gal-Yam, A., Galbany, L., Hillebrandt, W., Inserra, C., Kankare, E., Le Guillou, L., Lyman, J. D., Maguire, K., Pakmor, R., RÅupee, F. K., Ruiter, A. J., Seitzzahl, I. R., Sullivan, M., Valenti, S., Young, D. R. “**The type Iax supernova, SN 2015H. A white dwarf deflagration candidate**”, 2016, *A&A*, 589A, 89M.
17. Nicholl, M., Berger, E., Smartt, S. J., Margutti, R., Kamble, A., Alexander, K. D., **Chen, T.-W.**, Inserra, C., Arcavi, I., Blanchard, P. K., Cartier, R., Chambers, K. C., Childress, M. J., Chornock, R.,

Cowperthwaite, P. S., Drout, M., Flewelling, H. A., Fraser, M., Gal-Yam, A., Galbany, L., Harmanen, J., Holoien, T. W.-S., Hosseinzadeh, G., Howell, D. A., Huber, M. E., Jerkstrand, A., Kankare, E., Kochanek, C. S., Lin, Z.-Y., Lunnan, R., Magnier, E. A., Maguire, K., McCully, C., McDonald, M., Metzger, B. D., Milisavljevic, D., Mitra, A., Reynolds, T., Saario, J., Shappee, B. J., Smith, K. W., Valenti, S., Villar, V. A., Waters, C., Young, D. R. “**SN 2015BN: A Detailed Multi-wavelength View of a Nearby Superluminous Supernova**”, 2016, *ApJ*, 826, 39N.

16. Smartt, S. J., Chambers, K. C., Smith, K. W., Huber, M. E., Young, D. R., Cappellaro, E., Wright, D. E., Coughlin, M., Schultz, A. S. B., Denneau, L., Flewelling, H., Heinze, A., Magnier, E. A., Primak, N., Rest, A., Sherstyuk, A., Stalder, B., Stubbs, C. W., Tonry, J., Waters, C., Willman, M., Anderson, J. P., Baltay, C., Botticella, M. T., Campbell, H., Dennefeld, M., **Chen, T.-W.**, Della Valle, M., Elias-Rosa, N., Fraser, M., Inserra, C., Kankare, E., Kotak, R., Kupfer, T., Harmanen, J., Galbany, L., Gal-Yam, A., Le Guillou, L., Lyman, J. D., Maguire, K., Mitra, A., Nicholl, M., Olivares E, F., Rabinowitz, D., Razza, A., Sollerman, J., Smith, M., Terreran, G., Valenti, S., Gibson, B., Goggia, T. “**Pan-STARRS and PESSTO search for an optical counterpart to the LIGO gravitational-wave source GW150914**”, 2016, *MNRAS*, 462, 4094S.

15. Moriya, Takashi J., Liu, Zheng-Wei, Mackey, Jonathan, **Chen, Ting-Wan**, Langer, Norbert. “**Revealing the binary origin of Type Ic superluminous supernovae through nebular hydrogen emission**”, 2015, *A&A*, 584L, 5M.

14. Fraser, Morgan, Kotak, Rubina, Pastorello, Andrea, Jerkstrand, Anders, Smartt, Stephen J., **Chen, Ting-Wan**, Childress, Michael, Gilmore, Gerard, Inserra, Cosimo, Kankare, Erkki, Margheim, Steve, Mattila, Seppo, Valenti, Stefano, Ashall, Christopher, Benetti, Stefano, Botticella, Maria Teresa, Bauer, Franz Erik, Campbell, Heather, Elias-Rosa, Nancy, Fleury, Mathilde, Gal-Yam, Avishay, Hachinger, Stephan, Howell, D. Andrew, Le Guillou, Laurent, Léget, Pierre-François, Morales-Garoffolo, Antonia, Polshaw, Joe, Spiro, Susanna, Sullivan, Mark, Taubenberger, Stefan, Turatto, Massimo, Walker, Emma S., Young, David R., Zhang, Bonnie. “**SN 2009ip at late times - an interacting transient at +2 years**”, 2015, *MNRAS*, 453, 3886F.

13. Nicholl, M., Smartt, S. J., Jerkstrand, A., Inserra, C., Sim, S. A., **Chen, T.-W.**, Benetti, S., Fraser, M., Gal-Yam, A., Kankare, E., Maguire, K., Smith, K., Sullivan, M., Valenti, S., Young, D. R., Baltay, C., Bauer, F. E., Baumont, S., Bersier, D., Botticella, M.-T., Childress, M., Dennefeld, M., Della Valle, M., Elias-Rosa, N., Feindt, U., Galbany, L., Hadjiyska, E., Le Guillou, L., Leloudas, G., Mazzali, P., McKinnon, R., Polshaw, J., Rabinowitz, D., Rostami, S., Scalzo, R., Schmidt, B. P., Schulze, S., Sollerman, J., Taddia, F., Yuan, F. “**On the diversity of superluminous supernovae: ejected mass as the dominant factor**”, 2015, *MNRAS*, 452, 3869N.

12. Nicholl, M., Smartt, S. J., Jerkstrand, A., Sim, S. A., Inserra, C., Anderson, J. P., Baltay, C., Benetti, S., Chambers, K., **Chen, T.-W.**, Elias-Rosa, N., Feindt, U., Flewelling, H. A., Fraser, M., Gal-Yam, A., Galbany, L., Huber, M. E., Kangas, T., Kankare, E., Kotak, R., Krähler, T., Maguire, K., McKinnon, R., Rabinowitz, D., Rostami, S., Schulze, S., Smith, K. W., Sullivan, M., Tonry, J. L., Valenti, S., Young, D. R. “**LSQ14bdq: A Type Ic Super-luminous Supernova with a Double-peaked Light Curve**”, 2015, *ApJ*, 807L, 18N.

11. Smartt, S. J., Valenti, S., Fraser, M., Inserra, C., Young, D. R., Sullivan, M., Pastorello, A., Benetti, S., Gal-Yam, A., Knopic, C., Molinaro, M., Smareglia, R., Smith, K. W., Taubenberger, S., Yaron, O., Anderson, J. P., Ashall, C., Balland, C., Baltay, C., Barbarino, C., Bauer, F. E., Baumont, S., Bersier, D., Blagorodnova, N., Bongard, S., Botticella, M. T., Bufano, F., Bulla, M., Cappellaro, E., Campbell, H., Cellier-Holzem, F., **Chen, T.-W.**, Childress, M. J., Clocchiatti, A., Contreras, C., Dall’Ora, M., Danziger, J., de Jaeger, T., De Cia, A., Della Valle, M., Dennefeld, M., Elias-Rosa, N., Elman, N., Feindt, U., Fleury, M., Gall, E., Gonzalez-Gaitan, S., Galbany, L., Morales Garoffolo, A., Greggio, L., Guillou, L. L., Hachinger, S., Hadjiyska, E., Hage, P. E., Hillebrandt, W., Hodgkin, S., Hsiao, E. Y., James, P.

A., Jerkstrand, A., Kangas, T., Kankare, E., Kotak, R., Kromer, M., Kuncarayakti, H., Leloudas, G., Lundqvist, P., Lyman, J. D., Hook, I. M., Maguire, K., Manulis, I., Margheim, S. J., Mattila, S., Maund, J. R., Mazzali, P. A., McCrum, M., McKinnon, R., Moreno-Raya, M. E., Nicholl, M., Nugent, P., Pain, R., Pignata, G., Phillips, M. M., Polshaw, J., Pumo, M. L., Rabinowitz, D., Reilly, E., Romero-Cañizales, C., Scalzo, R., Schmidt, B., Schulze, S., Sim, S., Sollerman, J., Taddia, F., Tartaglia, L., Terreran, G., Tomasella, L., Turatto, M., Walker, E., Walton, N. A., Wyrzykowski, L., Yuan, F., Zampieri, L. “**PESSTO: survey description and products from the first data release by the Public ESO Spectroscopic Survey of Transient Objects**”, 2015, *A&A*, 579A, 40S.

10. Jerkstrand, A., Smartt, S. J., Sollerman, J., Inserra, C., Fraser, M., Spyromilio, J., Fransson, C., **Chen, T.-W.**, Barbarino, C., Dall’Ora, M., Botticella, M. T., Della Valle, M., Gal-Yam, A., Valenti, S., Maguire, K., Mazzali, P., Tomasella, L. “**Supersolar Ni/Fe production in the Type IIP SN 2012ec**”, 2015, *MNRAS*, 448, 2482J.

9. Inserra, C., Sim, S. A., Wyrzykowski, L., Smartt, S. J., Fraser, M., Nicholl, M., Shen, K. J., Jerkstrand, A., Gal-Yam, A., Howell, D. A., Maguire, K., Mazzali, P., Valenti, S., Taubenberger, S., Benitez-Herrera, S., Bersier, D., Blagorodnova, N., Campbell, H., **Chen, T.-W.**, Elias-Rosa, N., Hillebrandt, W., Kostrzewa-Rutkowska, Z., Kozłowski, S., Kromer, M., Lyman, J. D., Polshaw, J., Röpke, F. K., Ruitter, A. J., Smith, K., Spiro, S., Sullivan, M., Yaron, O., Young, D., Yuan, F. “**OGLE-2013-SN-079: A Lonely Supernova Consistent with a Helium Shell Detonation**”, 2015, *ApJ*, 799L, 2I.

8. Nicholl, M., Smartt, S. J., Jerkstrand, A., Inserra, C., Anderson, J. P., Baltay, C., Benetti, S., **Chen, T.-W.**, Elias-Rosa, N., Feindt, U., Fraser, M., Gal-Yam, A., Hadjiyska, E., Howell, D. A., Kotak, R., Lawrence, A., Leloudas, G., Margheim, S., Mattila, S., McCrum, M., McKinnon, R., Mead, A., Nugent, P., Rabinowitz, D., Rest, A., Smith, K. W., Sollerman, J., Sullivan, M., Taddia, F., Valenti, S., Walker, E. S., Young, D. R. “**Super-luminous supernovae from PESSTO**”, 2014, *MNRAS*, 444, 2096N.

7. Benetti, S., Nicholl, M., Cappellaro, E., Pastorello, A., Smartt, S. J., Elias-Rosa, N., Drake, A. J., Tomasella, L., Turatto, M., Harutyunyan, A., Taubenberger, S., Hachinger, S., Morales-Garoffolo, A., **Chen, T.-W.**, Djorgovski, S. G., Fraser, M., Gal-Yam, A., Inserra, C., Mazzali, P., Pumo, M. L., Sollerman, J., Valenti, S., Young, D. R. “**The supernova CSS121015:004244+132827: a clue for understanding super-luminous supernovae**”, 2014, *MNRAS*, 441, 289B.

6. Fraser, M., Maund, J. R., Smartt, S. J., Kotak, R., Lawrence, A., Bruce, A., Valenti, S., Yuan, F., Benetti, S., **Chen, T.-W.**, Gal-Yam, A., Inserra, C., Young, D. R. “**On the progenitor of the Type IIP SN 2013ej in M74**”, 2014, *MNRAS*, 439L, 56F.

5. Nicholl, M., Smartt, S. J., Jerkstrand, A., Inserra, C., McCrum, M., Kotak, R., Fraser, M., Wright, D., **Chen, T.-W.**, Smith, K., Young, D. R., Sim, S. A., Valenti, S., Howell, D. A., Bresolin, F., Kudritzki, R. P., Tonry, J. L., Huber, M. E., Rest, A., Pastorello, A., Tomasella, L., Cappellaro, E., Benetti, S., Mattila, S., Kankare, E., Kangas, T., Leloudas, G., Sollerman, J., Taddia, F., Berger, E., Chornock, R., Narayan, G., Stubbs, C. W., Foley, R. J., Lunnan, R., Soderberg, A., Sanders, N., Milisavljevic, D., Margutti, R., Kirshner, R. P., Elias-Rosa, N., Morales-Garoffolo, A., Taubenberger, S., Botticella, M. T., Gezari, S., Urata, Y., Rodney, S., Riess, A. G., Scolnic, D., Wood-Vasey, W. M., Burgett, W. S., Chambers, K., Flewelling, H. A., Magnier, E. A., Kaiser, N., Metcalfe, N., Morgan, J., Price, P. A., Sweeney, W., Waters, C. “**Slowly fading super-luminous supernovae that are not pair-instability explosions**”, 2013, *Nature*, 502, 346.

4. McCrum, M., Smartt, S. J., Kotak, R., Rest, A., Jerkstrand, A., Inserra, C., Rodney, S. A., **Chen, T.-W.**, Howell, D. A., Huber, M. E., Pastorello, A., Tonry, J. L., Bresolin, F., Kudritzki, R.-P., Chornock, R., Berger, E., Smith, K., Botticella, M. T., Foley, R. J., Fraser, M., Milisavljevic, D., Nicholl, M., Riess, A. G., Stubbs, C. W., Valenti, S., Wood-Vasey, W. M., Wright, D., Young, D. R., Drout, M., Czekala, I., Burgett, W. S., Chambers, K. C., Draper, P., Flewelling, H., Hodapp, K. W., Kaiser, N., Magnier, E. A.,

Metcalfe, N., Price, P. A., Sweeney, W., Wainscoat, R. J. **“The superluminous supernova PS1-11ap: bridging the gap between low and high redshift”**, 2014, *MNRAS*, 437, 656.

3. Maguire, K., Sullivan, M., Patat, F., Gal-Yam, A., Hook, I. M., Dhawan, S., Howell, D. A., Mazzali, P., Nugent, P. E., Pan, Y.-C., Podsiadlowski, P., Simon, J. D., Sternberg, A., Valenti, S., Baltay, C., Bersier, D., Blagorodnova, N., **Chen, T.-W.**, Ellman, N., Feindt, U., Förster, F., Fraser, M., González-Gaitán, S., Graham, M. L., Gutiérrez, C., Hachinger, S., Hadjiyska, E., Inserra, C., Knapic, C., Laher, R. R., Leloudas, G., Margheim, S., McKinnon, R., Molinaro, M., Morrell, N., Ofek, E. O., Rabinowitz, D., Rest, A., Sand, D., Smareglia, R., Smartt, S. J., Taddia, F., Walker, E. S., Walton, N. A., Young, D. R. **“A statistical analysis of circumstellar material in Type Ia supernovae”**, 2013, *MNRAS*, 436, 222M.

2. Fraser, M., Inserra, C., Jerkstrand, A., Kotak, R., Pignata, G., Benetti, S., Botticella, M.-T., Bufano, F., Childress, M., Mattila, S., Pastorello, A., Smartt, S. J., Turatto, M., Yuan, F., Anderson, J. P., Bayliss, D. D. R., Bauer, F. E., **Chen, T.-W.**, Förster Burón, F., Gal-Yam, A., Haislip, J. B., Knapic, C., Le Guillou, L., Marchi, S., Mazzali, P., Molinaro, M., Moore, J. P., Reichart, D., Smareglia, R., Smith, K. W., Sternberg, A., Sullivan, M., Takáts, K., Tucker, B. E., Valenti, S., Yaron, O., Young, D. R., Zhou, G. **“SN 2009ip à la PESSTO: no evidence for core collapse yet”**, 2013, *MNRAS*, 433, 1312F.

1. Inserra, C., Smartt, S. J., Jerkstrand, A., Valenti, S., Fraser, M., Wright, D., Smith, K., **Chen, T.-W.**, Kotak, R., Pastorello, A., Nicholl, M., Bresolin, F., Kudritzki, R. P., Benetti, S., Botticella, M. T., Burgett, W. S., Chambers, K. C., Ergon, M., Flewelling, H., Fynbo, J. P. U., Geier, S., Hodapp, K. W., Howell, D. A., Huber, M., Kaiser, N., Leloudas, G., Magill, L., Magnier, E. A., McCrum, M. G., Metcalfe, N., Price, P. A., Rest, A., Sollerman, J., Sweeney, W., Taddia, F., Taubenberger, S., Tonry, J. L., Wainscoat, R. J., Waters, C., Young, D. **“Super-luminous Type Ic Supernovae: Catching a Magnetar by the Tail”**, 2013, *ApJ*, 770, 1281.

Circulars

Total: 78

First- Second- Author

30. Chen, T.-W. et al. “GROND followup of DLT16am/AT2016ija”, 2016, *ATel*, No. 9789

29. Chen, T.-W. et al. “GRB 160117B: GROND optical/NIR afterglow observations”, 2016, *GCN*, No. 18887

28. Chen, T.-W. et al. “GRB 160119A: GROND optical/NIR afterglow observations”, 2016, *GCN*, No. 18902

27. Yates, R., Chen, T.-W. et al. “GRB 160411A: GROND Optical/NIR upper limits”, 2016, *GCN*, No. 19292

26. Knust, F., Chen, T.-W. et al. “GRB 151112A: GROND Detection of the Optical/NIR Afterglow Candidate”, 2015, *GCN*, No. 18595

25. Chen, T.-W. et al. “Spectroscopic observations of ASASSN-14dc”, 2014, *ATel*, No. 6284

24. Polshaw, J., Chen, T.-W. et al. “PESSTO spectroscopic classification of optical transients”, 2013, *ATel*, No. 5459

23. Chen, T.-W. et al. “PESSTO spectroscopic classification of optical transients”, 2013, *ATel*, No. 5443

22. Inserra, C., Chen, T.-W. et al. “PESSTO spectroscopic classification of optical transients”, 2013, *ATel*, No. 5440

21. Chen, T.-W. et al. “Supernova 2013bz = Psn J13265132-1001322”, 2013, *CBET*, No. 3507

20. Chen, T.-W. et al. “Supernova 2012gz”, 2012, *CBET*, No. 3317

19. Chen, T.-W. et al. "Supernova 2012gy = PSN J07563555+3954072", 2012, *CBET*, No. 3316
18. Chen, T.-W. et al. "Supernova 2012gl in NGC 3153 = Psn J10125032+1240567", 2012, *CBET*, No. 3315
17. Chen, T.-W. et al. "Supernova 2012gr = PSN J03385564+1649435", 2012, *CBET*, No. 3308
16. Kotak, R., Chen, T.-W. et al. "Supernova 2012gq in PGC 10886 = PSN J02524601+4655523", 2012, *CBET*, No. 3307
15. Kotak, R., Chen, T.-W. et al. "Supernova 2012go = Psn J22415183+3458074", 2012, *CBET*, No. 3305
14. Wright, D., Chen, T.-W. et al. "Spectroscopic classification of five optical transients in the Pan-STARRS1 3Pi Faint Galaxy Supernova Survey", 2012, *ATel*, No. 4516
13. Fraser, M., Chen, T.-W. et al. "Supernova 2012at in PGC 16317 = PSN J04545281-3719161", 2012, *CBET*, No. 3045
12. Fraser, M., Chen, T.-W. et al. "Supernova 2012as in UGC 9842 = PSN J15250852+3757494", 2012, *CBET*, No. 3044
11. Chen, T.-W. et al. "Supernova 2012an in NGC 6373 = PSN J17241023+5900069", 2012, *CBET*, No. 3043
10. Chen, T.-W. et al. "Supernova 2012aj = PSN J16270396+5136498", 2012, *CBET*, No. 3042
9. Chen, T.-W. et al. "Supernova 2007uz in PGC 34755", 2007, *CBET*, No. 1192
8. Huang, L.-C., Chen, T.-W. et al. "GRB 080721 : lulin 2nd optical follow-ups", 2008, *GCN*, No. 7999
7. Chen, T.-W. et al. "GRB 080721 : lulin optical follow-ups", 2008, *GCN*, No. 7990
6. Urata, Y., Chen, T.-W. et al. "GRB080310 : lulin optical observations", 2008, *GCN*, No. 7415
5. Chen, T.-W. et al. "GRB080310 : lulin optical observation", 2008, *GCN*, No. 7395
4. Liou, T.-H., Chen, T.-W. et al., "Possible new supernova in NGC 3340", 2007, *CBET*, No. 976 & *IAUC*, No. 8864
3. Liou, T.-H., Chen, T.-W. et al., "Possible new supernova in IC 2531", 2007, *CBET*, No. 968 & *IAUC*, No. 8843
2. Chen, T.-W. et al., "Supernova 2007bh in PGC 54103", 2007, *CBET*, No. 928 & *IAUC*, No. 8834
1. Chen, Y.-T., Chen, T.-W. et al., "Supernova 2005cw in IC 1439", 2005, *IAUC*, No. 8567

Other

48. Olivares, F. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 9800
47. Pursiainen, M. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 9662
46. Dimitriadis, G. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 9660
45. James, P. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 9581
44. Prentice, S. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 9575
43. Short, L. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 9566
42. Reynolds, T. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 9358
41. Reynolds, T. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 9357

40. Reynolds, T. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 9345
39. Reynolds, T. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 9337
38. Magee, M. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 8935
37. Terreran, G. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 8694
36. Greiner, J. et al. (incl. Chen, T.-W.) "Swift and GROND observation of OGLE16aaa", 2016, *ATel*, No. 8579
35. Le Guillou, L. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 8399
34. Mattila, S. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 8306
33. Kangas, T. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 8296
32. Harmanen, J. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 8292
31. Fraser, M. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2016, *ATel*, No. 8159
30. Smartt, S. et al. (incl. Chen, T.-W.) "LIGO/VIRGO G184098 : PESSTO classifications of PanSTARRS transients in the northern region", 2015, *GCN*, No. 18418
29. Campbell, H. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2015, *ATel*, No. 8155
28. Lyman, J. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2015, *ATel*, No. 8152
27. Prentice, S. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2015, *ATel*, No. 7936
26. Ashall, C. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2015, *ATel*, No. 7926
25. Smartt, S. et al. (incl. Chen, T.-W.) "Supernova 2014V in NGC 3905", 2014, *CBET*, No. 3817
24. Smartt, S. et al. (incl. Chen, T.-W.) "Probable supernova discovered in NGC 4258 (Messier 106) by Pan-STARRS1", 2014, *ATel*, No. 6156
23. Smartt, S. et al. (incl. Chen, T.-W.) "Pan-STARRS1 3Pi transients", 2014, *ATel*, No. 5850
22. Barbarino, C. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2013, *ATel*, No. 5296
21. De Cia, A. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2013, *ATel*, No. 5290
20. Vreeswijk, P. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of optical transients", 2013, *ATel*, No. 5284
19. Drake, A. J. et al. (incl. Chen, T.-W.) "Supernova 2013dg", 2013, *CBET*, No. 3560
18. Smartt, S. et al. (incl. Chen, T.-W.) "Classification of super-luminous SN : MLS130517:131841-070443", 2013, *ATel*, No. 5128
17. Walker, E. S. et al. (incl. Chen, T.-W.) "Classification of A Nearby, Young Type Ia Supernova from the LSQ Survey", 2013, *ATel*, No. 5067
16. Inserra, C. et al. (incl. Chen, T.-W.) "Supernova 2011ke", 2013, *CBET*, No. 3467
15. Inserra, C. et al. (incl. Chen, T.-W.) "Supernova 2011kf", 2013, *CBET*, No. 3463

14. Drake, A. J. et al. (incl. Chen, T.-W.) "Supernova 2011ke", 2013, *CBET*, No. 3460
13. Drake, A. J. et al. (incl. Chen, T.-W.) "Supernova 2012il", 2013, *CBET*, No. 3459
12. Valenti, S. et al. (incl. Chen, T.-W.) "Supernova 2013au", 2013, *CBET*, No. 3458
11. Valenti, S. et al. (incl. Chen, T.-W.) "Pan-STARRS1 Medium Deep Survey Discovery of a SN Ia at $z=0.048$ ", 2013, *ATel*, No. 4951
10. Wright, D. et al. (incl. Chen, T.-W.) "Spectroscopic classification of four optical transients in the Pan-STARRS1 3Pi Faint Galaxy Supernova Survey", 2012, *ATel*, No. 4665
9. Drake, A. J. et al. (incl. Chen, T.-W.) "Supernova 2012gz", 2012, *CBET*, No. 3317
8. Wright, D. et al. (incl. Chen, T.-W.) "The spectroscopic classification of four transients in the Pan-STARRS1 3Pi Faint Galaxy Supernova Survey and PSN J21215870-1351224", 2012, *ATel*, No. 4231
7. Fraser, M. et al. (incl. Chen, T.-W.) "Three Type Ia supernovae and a $z=2.28$ quasar from the PS1 Faint Galaxy Supernova Survey", 2012, *ATel*, No. 4108
6. Valenti, S. et al. (incl. Chen, T.-W.) "PESSTO spectroscopic classification of La Silla-Quest Transients", 2012, *ATel*, No. 4037
5. Wright, D. et al. (incl. Chen, T.-W.) "Four Transients in the Pan-STARRS1 3Pi Faint Galaxy Supernova Survey", 2012, *ATel*, 3980
4. Smartt, S. et al. (incl. Chen, T.-W.) "PS1-12fo (=CSS120121): luminous Ic supernova at $z=0.175$ in the PS1 3Pi survey", 2012, *ATel*, No. 3918
3. Urata, Y. et al. (incl. Chen, T.-W.) "GRB 080319B : lulin observation of temporal break at 0.2 days", 2008, *GCN*, No. 7471
2. Urata, Y. et al. (incl. Chen, T.-W.) "GRB080310 : optical observations by LOAO and lulin", 2008, *GCN*, No. 7412
1. Urata, Y. et al. (incl. Chen, T.-W.) "Optical follow-ups for the X-ray transient in NGC 2770", 2008, *GCN*, No. 7167

Conference Posters

9. "Giant explosions in dwarf hosts: Host galaxies of super-luminous supernovae",
Rainbows on the Southern Sky: science and legacy value of the ESO Public Surveys and Large Programmes, ESO Garching, Germany. 2015.
8. "Host galaxy environments of super-luminous supernovae",
European Week of Astronomy and Space Science, Turku, Finland. 2013.
7. "The host galaxy of the super-luminous SN 2010gx and limits on explosive ^{56}Ni production",
MPA/ESO/MPE/Excellence Cluster Universe Conference on Supernovae Illuminating the Universe: from Individuals to Populations, Garching, Germany. 2012.
6. "Optical observation of the early light curves of type Ib/c supernova 2008D",
Asian-Pacific Regional IAU meeting, Yunnan, China. 2008.
5. "Supernovae and their host galactic environments",
Chinese Physics Society Annual Meeting, Taiwan. 2008.
4. "Photometry of the peculiar near-by supernova SN 2006jc with Lulin observatory",
Chinese Physics Society Annual Meeting, Taiwan. 2007.
3. "Photometry of the peculiar near-by supernova SN 2006jc with Lulin observatory",
Chinese Astronomers Society (Taiwan) Meeting, Taiwan. 2007.
2. "Supernovae follow-up observation at Lulin",
Chinese Astronomers Society (Taiwan) Meeting, Taiwan. 2006.
1. "A summary of the supernova follow-up observations and SLT update",
Chinese Astronomers Society (Taiwan) Meeting, Taiwan. 2005.

Outreach

Articles

5. "A Story of Supernovae",
Article Series, Taichung Astronomical Society Magazine. 2012.
4. "Monthly Sky Guide",
Taichung Astronomical Society Magazine. 2011.
3. "Pan-STARRS: The Studies of Core-collapse Supernovae and Their Progenitors",
Taipei Astronomical Museum Magazine, No. 50, p.12-19. 2010.
2. "Taiwan Supernova Survey",
Taipei Astronomical Museum Magazine, No. 37, p.8-11. 2008
1. "My Starlight Dream in Latitude 35 Degrees South",
Taichung Astronomical Society Magazine. 2004

Astronomy Pictures

11. Photo of aurora,
Astrophysics Research Centre, Queen's University Belfast webpage. 2013.
10. Photos of BBC Stargazing LIVE event,
BBC news; Astrophysics Research Centre, Queen's University Belfast webpage. 2013.
9. Video of "What I am doing in Astronomy?",
Graduate Institute of Astronomy, National Central University webpage. 2012.
8. Video of "Jupiter Watch" public event,
Irish Astronomical Association webpage. 2012.
7. Photo of the first image of Comet Lulin,
"The end of the world?" Exhibition, National Science Museum, Taiwan. 2012.
6. Photos of "Jupiter Watch" public event,
Astrophysics Research Centre, Queen's University Belfast webpage. 2012.
5. Photo and video of the ISS flyby,
Astrophysics Research Centre, Queen's University Belfast webpage. 2011.
4. Photo of a lunar halo,
Almanac, Graduate Institute of Astronomy, National Central University. 2010.
3. Photo of the first image of comet Lulin,
Earth Science text book, Nani Publishing House Co. 2009.
2. Photo of the Moon, Venus, and Jupiter,
Taipei Astronomical Museum Magazine. 2008.
1. Photos of Milky Way in Australia,
Taichung Astronomical Society Magazine. 2004.

Other Articles

3. "Host galaxies and late-time evolution of Super-Luminous Supernovae,"
PhD thesis, Queen's University Belfast. 2015.
2. "The follow-up observations of type Ib/c supernovae,"
Master thesis, National Central University. 2008.
1. "The follow-up observations of supernovae with Lulin observatory,"
Annual Report of Lulin Observatory, p.60-61. 2006.

Last updated: December 29, 2016