

1. Hutter, Anne; Watkinson, Catherine A.; Seiler, Jacob; Dayal, Pratika; Sinha, Manodeep; **Croton, Darren J.**; *The 21cm bispectrum during reionization: a tracer of the ionization topology*, Journal arXiv e-prints, Pages arXiv:1907.04342, Year 2019
2. Seiler, Jacob; Hutter, Anne; Sinha, Manodeep; Croton, Darre; *The Escape Fraction of Ionizing Photons During the Epoch of Reionization: Observability with the Square Kilometre Array*, Journal MNRAS, Pages 1578, Year 2019
3. Raouf, Mojtaba; Silk, Joseph; Shabala, Stanislav S.; Mamon, Gary A.; **Croton, Darren J.**; Khosroshahi, Habib G.; Beckmann, Ricarda S; *Feedback by supermassive black holes in galaxy evolution: impacts of accretion and outflows on the star formation rate*, Journal mnras, Volume 486, Pages 1509-1522, Year 2019
4. van der Velden, Ellert; **Duffy, Alan R.**; **Croton, Darren**; Mutch, Simon J.; Sinha, Manodee; *Model Dispersion with PRISM: An Alternative to MCMC for Rapid Analysis of Models*, Journal ApJS, Volume 242, Pages 22, Year 2019
5. Seiler, Jacob; Hutter, Anne; Sinha, Manodeep; Croton, Darre; *The indirect influence of quasars on reionization*, Journal mnras, Volume 480, Pages L33-L37, Year 2018
6. Asquith, Rachel; Pearce, Frazer R.; Almaini, Omar; Knebe, Alexander; Gonzalez-Perez, Violeta; Benson, Andrew; Blaizot, Jeremy; Carretero, Jorge; Castander, Francisco J.; Cattaneo, Andrea; Cora, Sofia A.; **Croton, Darren J.**; Devriendt, Julien E.; Fontanot, Fabio; Gargiulo, Ignacio D.; Hartley, Will; Henriques, Bruno; Lee, Jaehyun; Mamon, Gary A.; Onions, Julian; Padilla, Nelson D.; **Power, Chris**; Srisawat, Chaichalit; Stevens, Adam R. H.; Thomas, Peter A.; Vega-Martinez, Cristian A.; Yi, Sukyoung K; *Cosmic CARNage II: the evolution of the galaxy stellar mass function in observations and galaxy formation models*, Journal MNRAS, Volume 480, Pages 1197-1210, Year 2018
7. Dykes, T.; Hassan, A.; Gheller, C.; **Croton, D.**; Krokos, M; *Interactive 3D visualization for theoretical virtual observatories*, Journal MNRAS, Volume 477, Pages 1495-1507, Year 2018

8. Liu, F. S.; Jia, Meng; Yesuf, Hassen M.; Faber, S. M.; Koo, David C.; Guo, Yicheng; Bell, Eric F.; Jiang, Dongfei; Wang, Weichen; Koekemoer, Anton M.; Zheng, Xianzhong; Fang, Jerome J.; Barro, Guillermo; Perez-Gonzalez, Pablo G.; Dekel, Avishai; Kocevski, Dale; Hathi, Nimish P.; **Croton, Darren**; Huertas-Company, M.; Meng, Xianmin; Tong, Wei; Liu, L; *On the Transition of the Galaxy Quenching Mode at  $0.5 < z < 1$  in CANDELS*, Journal ApJ, Volume 860, Pages 60, Year 2018
9. Ashton, Gregory; Hubner, Moritz; **Lasky, Paul D.**; Talbot, Colm; Ackley, Kendall; Biscoveanu, Sylvia; Chu, Qi; Divakarla, Atul; Easter, Paul J.; Goncharov, Boris; Hernandez Vivanco, Francisco; Harms, Jan; Lower, Marcus E.; Meadors, Grant D.; Melchor, Denyz; Payne, Ethan; Pitkin, Matthew D.; Powell, Jade; Sarin, Nikhil; Smith, Rory J. E.; Thrane, Eri; *BILBY: A User-friendly Bayesian Inference Library for Gravitational-wave Astronomy*, Journal ApJS, Volume 241, Pages 27, Year 2019
10. Sarin, Nikhil; **Lasky, Paul D.**; Ashton, Gre; *X-Ray Afterglows of Short Gamma-Ray Bursts: Magnetar or Fireball?*, Journal ApJ, Volume 872, Pages 114, Year 2019
11. Sarin, Nikhil; **Lasky, Paul D.**; Sammut, Letizia; Ashton, Gre; *X-ray guided gravitational-wave search for binary neutron star merger remnants*, Journal Physical Review D, Volume 98, Pages 043011, Year 2018
12. Ashton, Gregory; **Lasky, Paul D.**; Graber, Vanessa; Palfreyman, Ji; *Rotational evolution of the Vela pulsar during the 2016 glitch*, Journal arXiv e-prints, Pages arXiv:1907.01124, Year 2019
13. Easter, Paul J.; **Lasky, Paul D.**; Casey, Andrew R.; Rezzolla, Luciano; Takami, Kentar; *Computing Fast and Reliable Gravitational Waveforms of Binary Neutron Star Merger Remnants*, Journal arXiv e-prints, Pages arXiv:1811.11183, Year 2018
14. Powell, Jade; Muller, Bernhar; *Gravitational wave emission from 3D explosion models of core-collapse supernovae with low and normal explosion energies*, Journal MNRAS, Volume 487, Pages 1178-1190, Year 2019

15. Payne, Ethan; Talbot, Colm; Thrane, Eri; *Higher order gravitational-wave modes with likelihood reweighting*, Journal arXiv e-prints, Pages arXiv:1905.05477, Year 2019
16. Talbot, Colm; Smith, Rory; Thrane, Eric; Poole, Gregory B; *Parallelized Inference for Gravitational-Wave Astronomy*, Journal arXiv e-prints, Pages arXiv:1904.02863, Year 2019
17. Hernandez Vivanco, Francisco; Smith, Rory; Thrane, Eric; Lasky, Paul D; *Accelerated detection of the binary neutron star gravitational-wave background*, Journal arXiv e-prints, Pages arXiv:1903.05778, Year 2019
18. **Zhu, X.**; Thrane, E.; **Osłowski, S.**; Levin, Y.; Lasky, P. D; *Inferring the population properties of binary neutron stars with gravitational-wave measurements of spin*, Journal Physical Review D, Volume 98, Pages 043002, Year 2018
19. **Elahi, Pascal J.**; Canas, Rodrigo; Poulton, Rhys J. J.; Tobar, Rodrigo J.; Willis, James S.; Lagos, Claudia del P.; Power, Chris; Robotham, Aaron S. G; *Hunting for Galaxies and Halos in simulations with VELOCIRaptor*, Journal arXiv e-prints, Pages arXiv:1902.01010, Year 2019
20. **Elahi, Pascal J.**; Poulton, Rhys J. J.; Tobar, Rodrigo J.; Canas, Rodrigo; Lagos, Claudia del P.; **Power, Chris**; Robotham, Aaron S. G; *Climbing Halo Merger Trees with TreeFrog*, Journal arXiv e-prints, Pages arXiv:1902.01527, Year 2019
21. **Jacobs, C.**; Collett, T.; **Glazebrook, K.**; McCarthy, C.; Qin, A. K.; Abbott, T. M. C.; Abdalla, F. B.; Annis, J.; Avila, S.; Bechtol, K; *Finding high-redshift strong lenses in DES using convolutional neural networks*, Journal MNRAS, Volume 484, Pages 5330-5349, Year 2019
22. **Jacobs, C.**; Collett, T.; **Glazebrook, K.**; Buckley-Geer, E.; Diehl, H. T.; Lin, H.; McCarthy, C.; Qin, A. K.; Odden, C.; Caso Escudero, M; *An extended catalog of galaxy-galaxy strong gravitational lenses discovered in DES using convolutional neural networks*, Journal arXiv e-prints, Pages arXiv:1905.10522, Year 2019
23. Xiangyu Guo; Qi Chu; Shin Kee Chung; Zhihui Du; Linqing Wen; Yanqi G; *GPU-acceleration on a low-latency binary-coalescence gravitational wave search pipeline*, Journal Computer

Physics Communications, Volume 231, Pages 62 - 71, Year 2018

24. Suvorova, Sofia; Powell, Jade; Melatos, Andre; *Reconstructing gravitational wave core-collapse supernova signals with dynamic time warping*, Journal Phys. Rev. D, Volume 99, Pages 123012, Year 2019
25. Lonnborn, J. R.; Melatos, A.; Haskell, B; *Collective, glitch-like vortex motion in a neutron star with an annular pinning barrier*, Journal MNRAS, Volume 487, Pages 702-710, Year 2019
26. Sun, Ling; Melatos, Andrew; **Lasky, Paul D**; *Tracking continuous gravitational waves from a neutron star at once and twice the spin frequency with a hidden Markov model*, Journal Phys. Rev. D, Volume 99, Pages 123010, Year 2019
27. Strang, L C; Melatos, ; *Plerion model of the X-ray plateau in short gamma-ray bursts*, Journal arXiv e-prints, Pages arXiv:1906.02877, Year 2019
28. Marshall, Madeline A.; **Mutch, Simon J.**; Qin, Yuxiang; **Poole, Gregory B.**; **Wytke, J. Stuart B**; *Dark-ages reionization and galaxy formation simulation - XVII. Sizes, angular momenta, and morphologies of high-redshift galaxies*, Journal MNRAS, Volume 488, Pages 1941-1959, Year 2019
29. de Vita, Ruggero; Trenti, Michele; MacLeod, Morga; *Correlation between mass segregation and structural concentration in relaxed stellar clusters*, Journal MNRAS, Volume 485, Pages 5752-5760, Year 2019
30. Sahu, N.; Graham, A. W.; **Davis, B. L**; *Black Hole Mass Scaling Relations for Early-type Galaxies. I.  $M_{BH}-M_{*,sph}$  and  $M_{BH}-M_{*,gal}$* , Journal ApJ, Volume 876, Pages 155, Year 2019
31. **Davis, B. L.**; Graham, A. W.; Cameron, E; *Black Hole Mass Scaling Relations for Spiral Galaxies. I.  $M_{BH}-M_{*,sph}$* , Journal ApJ, Volume 873, Pages 85, Year 2019
32. **Davis, B. L.**; Graham, A. W.; Cameron, E; *Black Hole Mass Scaling Relations for Spiral Galaxies. II.  $M_{BH}-M_{*,tot}$  and  $M_{BH}-M_{*,disk}$* , Journal ApJ, Volume 869, Pages 113, Year 2018

33. **Forbes, Duncan A.**; Gannon, Jonah; **Couch, Warrick J.**; Iodice, Enrichetta; Spavone, Marilena; Cantiello, Michele; Napolitano, Nicola; Schipani, Pietr; *An ultra diffuse galaxy in the NGC 5846 group from the VEGAS survey*, Journal A&A, Volume 626, Pages A66, Year 2019
34. Robert, P. F.; **Murphy, M. T.**; OMeara, J. M.; Crighton, N. H. M.; Fumagalli, M; *Exploring the origins of a new, apparently metal-free gas cloud at  $z = 4.4$* , Journal MNRAS, Volume 483, Pages 2736-2747, Year 2019
35. Ubachs, W.; Salumbides, E. J.; **Murphy, M. T.**; Abgrall, H.; Roueff, E;  *$H_2/HD$  molecular data for analysis of quasar spectra in search of varying constants*, Journal A&A, Volume 622, Pages A127, Year 2019
36. **Murphy, M. T.**; **Kacprzak, G. G.**; Savorgnan, G. A. D.; Carswell, R. F; *The UVES Spectral Quasar Absorption Database (SQUAD) data release 1: the first 10 million seconds*, Journal MNRAS, Volume 482, Pages 3458-3479, Year 2019
37. **Crighton, N. H. M.**; Prochaska, J. X.; **Murphy, M. T.**; OMeara, J. M.; Worseck, G.; Smith, B. D; *Imprints of the first billion years: Lyman limit systems at  $z \sim 5$* , Journal MNRAS, Volume 482, Pages 1456-1470, Year 2019
38. **Nielsen, N. M.**; **Kacprzak, G. G.**; **Pointon, S. K.**; Churchill, C. W.; **Murphy, M. T.**; *MAGIICAT VI. The Mg II Intragroup Medium Is Kinematically Complex*, Journal ApJ, Volume 869, Pages 153, Year 2018
39. Hartoyo, Agus; Cadusch, Peter J.; Liley, David T. J.; Hicks, Damien G; *Parameter estimation and identifiability in a neural population model for electro-cortical activity*, Journal PLoS Computational Biology, Volume 15, Pages e1006694, Year 2019
40. **Mould, J.**; *The Metallicity Sensitivity of a Surface Brightness Temperature Scale*, Journal PASP, Volume 131, Pages 094201, Year 2019
41. **Mould, J.**; *The intermediate age population of the Galactic halo*, Journal Ap&SS, Volume 364, Pages 42, Year 2019

42. **Mould, Jeremy**; Clementini, Gisella; Da Costa, Gar; *Galactic calibration of the tip of the red giant branch*, Journal PASA, Volume 36, Pages e001, Year 2019
43. **Brown, P. J.**; Hosseinzadeh, G.; Jha, S. W.; Sand, D.; Vieira, E.; Wang, X.; **Dai, M.**; Dettman, K. G.; **Mould, J.**; **Uddin, S.**; Wang, L.; Arcavi, I.; Bento, J.; Burns, C. R.; Diamond, T.; Hiramatsu, D.; Howell, D. A.; Hsiao, E. Y.; Marion, G. H.; McCully, C.; Milne, P. A.; Mirzaqulov, D.; Ruiter, A. J.; Valenti, S.; Xiang, D; *Red and Reddened: Ultraviolet through Near-infrared Observations of Type Ia Supernova 2017erp*, Journal ApJ, Volume 877, Pages 152, Year 2019
44. Zhang, H.; Yu, Z.; Liang, E.; Yang, M.; Ashley, M. C. B.; Cui, X.; Du, F.; Fu, J.; Gong, X.; Gu, B.; Hu, Y.; Jiang, P.; Liu, H.; Lawrence, J.; Liu, Q.; Li, X.; Li, Z.; Ma, B.; **Mould, J.**; Shang, Z.; Suntzeff, N. B.; Tao, C.; Tian, Q.; Tinney, C. G.; **Uddin, S. A.**; Wang, L.; Wang, S.; Wang, X.; Wei, P.; Wright, D.; **Wu, X.**; Wittenmyer, R. A.; Xu, L.; Yang, S.-H.; Yu, C.; **Yuan, X.**; Zheng, J.; Zhou, H.; Zhou, J.-L.; **Zhu, Z.**; *VizieR Online Data Catalog: Exoplanets in the Antarctic sky. II. 116 candidates (Zhang+, 2019)*, Journal VizieR Online Data Catalog, Volume 224, Year 2019
45. Zhang, H.; Yu, Z.; Liang, E.; Yang, M.; Ashley, M. C. B.; Cui, X.; Du, F.; Fu, J.; Gong, X.; Gu, B.; Hu, Y.; Jiang, P.; Liu, H.; Lawrence, J.; Liu, Q.; Li, X.; Li, Z.; Ma, B.; **Mould, J.**; Shang, Z.; Suntzeff, N. B.; Tao, C.; Tian, Q.; Tinney, C. G.; **Uddin, S. A.**; Wang, L.; Wang, S.; Wang, X.; Wei, P.; Wright, D.; **Wu, X.**; Wittenmyer, R. A.; Xu, L.; Yang, S.-H.; Yu, C.; **Yuan, X.**; Zheng, J.; Zhou, H.; Zhou, J.-L.; **Zhu, Z.**; *VizieR Online Data Catalog: Exoplanets in the Antarctic sky. I. AST3-II DR1 (Zhang+, 2019)*, Journal VizieR Online Data Catalog, Volume 224, Year 2019
46. **Uddin, S. A.**; **Mould, J.**; Wang, L.; **Tucker, B.**; Zic, A; *Spectroscopic classification of AT2019esa as a Type II In Supernova*, Journal The Astronomer's Telegram, Volume 12736, Year 2019
47. Antonello, M.; Barberio, E.; Baroncelli, T.; Benziger, J.; Bignell, L. J.; Bolognino, I.; Calaprice, F.; Copello, S.; D'Angelo, D.; D'Imperio, G.; Dafinei, I.; di Carlo, G.; Diemoz, M.; di Ludovico, A.; **Duffy, A. R.**; Froborg, F.; Giovanetti, G. K.; Hoppe, E.; Ianni, A.;

- Ioannucci, L.; **Krishnan, S.**; Lane, G. J.; Mahmood, I.; Mariani, A.; McGee, P.; Montini, P.; **Mould, J.**; Nuti, F.; Orlandi, D.; Paris, M.; Pettinacci, V.; Pietrofaccia, L.; Prokopovich, D.; Rahatlou, S.; **Rossi, N.**; Sarbutt, A.; Shields, E.; Souza, M. J.; Stuchbery, A. E.; Suerfu, B.; Tomei, C.; Urquijo, P.; Vignoli, C.; Wada, M.; Wallner, A.; Williams, A. G.; Xu, J.; Zurowski, M.; Sabre Collaboratio; *Monte Carlo simulation of the SABRE PoP background*, Journal Astroparticle Physics, Volume 106, Pages 1-9, Year 2019
48. Hui Zhang; Zhouyi Yu; Ensi Liang; Ming Yang; Michael C. B. Ashley; Xiangqun Cui; Fujia Du; Jianning Fu; Xuefei Gong; Bozhong Gu; Yi Hu; Peng Jiang; Huigen Liu; Jon Lawrence; Qiang Liu; Xiaoyan Li; Zhengyang Li; Bin Ma; Jeremy Mould; Zhaohui Shang; Nicholas B. Suntzeff; Charling Tao; Qiguo Tian; C. G. Tinney; Syed A. Uddin; Lifan Wang; Songhu Wang; Xiaofeng Wang; Peng Wei; Duncan Wright; Xuefeng Wu; Robert A. Wittenmyer; Lingzhe Xu; Shi-hai Yang; Ce Yu; Xiangyan Yuan; Jessica Zheng; Hongyan Zhou; Ji-lin Zhou; Zhenxi Zh; *Exoplanets in the Antarctic Sky. II. 116 Transiting Exoplanet Candidates Found by AST3-II (CHESPA) within the Southern CVZ of TESS*, Journal The Astrophysical Journal Supplement Series, Volume 240, Pages 17, Year 2019
49. Zhang, H.; Yu, Z.; Liang, E.; Yang, M.; Ashley, M. C. B.; Cui, X.; Du, F.; Fu, J.; Gong, X.; Gu, B.; Hu, Y.; Jiang, P.; Liu, H.; Lawrence, J.; Liu, Q.; Li, X.; Li, Z.; Ma, B.; **Mould, J.**; Shang, Z.; Suntzeff, N. B.; Tao, C.; Tian, Q.; Tinney, C. G.; **Uddin, S. A.**; Wang, L.; Wang, S.; Wang, X.; Wei, P.; Wright, D.; **Wu, X.**; Wittenmyer, R. A.; Xu, L.; Yang, S.-h.; Yu, C.; **Yuan, X.**; Zheng, J.; Zhou, H.; Zhou, J.-l.; **Zhu, Z.**; *Exoplanets in the Antarctic Sky. I. The First Data Release of AST3-II (CHESPA) and New Found Variables within the Southern CVZ of TESS*, Journal ApJS, Volume 240, Pages 16, Year 2019
50. Durre, M.; **Mould, J.**; *The AGN Ionization Cones of NGC 5728. II. Kinematics*, Journal ApJ, Volume 870, Pages 37, Year 2019
51. Brinks, E.; **Mould, J.**; Khanna, R; *Obituary: Michael Dopita, Former Editor in Chief of Astrophysics and Space Science*, Journal Ap&SS, Volume 364, Pages 13, Year 2019
52. **Mould, J.**; Clementini, G.; Da Costa, G; *Northern Galactic Calibration of the Red Giant Branch Tip*, Volume 233, Pages 468.09, Year 2019

53. Abbott, T. M. C.; Abdalla, F. B.; Allam, S.; Amara, A.; Annis, J.; Asorey, J.; Avila, S.; Ballester, O.; Banerji, M.; Barkhouse, W.; Baruah, L.; Baumer, M.; Bechtol, K.; Becker, M. R.; Benoit-Levy, A.; Bernstein, G. M.; Bertin, E.; Blazek, J.; Bocquet, S.; Brooks, D.; Brout, D.; Buckley-Geer, E.; Burke, D. L.; Busti, V.; Campisano, R.; Cardiel-Sas, L.; Carnero Rosell, A.; Carrasco Kind, M.; Carretero, J.; Castander, F. J.; Cawthon, R.; Chang, C.; Chen, X.; Conselice, C.; Costa, G.; Crocce, M.; **Cunha, C. E.**; DAndrea, C. B.; da Costa, L. N.; Das, R.; Daues, G.; **Davis, T. M.**; **Davis, C.**; De Vicente, J.; DePoy, D. L.; DeRose, J.; Desai, S.; Diehl, H. T.; Dietrich, J. P.; Dodelson, S.; Doel, P.; Drlica-Wagner, A.; Eifler, T. F.; Elliott, A. E.; Evrard, A. E.; Farahi, A.; Fausti Neto, A.; Fernandez, E.; Finley, D. A.; Flaughner, B.; Foley, R. J.; Fosalba, P.; Friedel, D. N.; Frieman, J.; Garcia-Bellido, J.; Gaztanaga, E.; Gerdes, D. W.; Giannantonio, T.; Gill, M. S. S.; **Glazebrook, K.**; Goldstein, D. A.; Gower, M.; Gruen, D.; Gruendl, R. A.; Gschwend, J.; Gupta, R. R.; Gutierrez, G.; Hamilton, S.; Hartley, W. G.; **Hinton, S. R.**; Hislop, J. M.; Hollowood, D.; Honscheid, K.; Hoyle, B.; Huterer, D.; Jain, B.; **James, D. J.**; Jeltama, T.; **Johnson, M. W. G.**; **Johnson, M. D.**; **Kacprzak, T.**; Kent, S.; Khullar, G.; Klein, M.; Kovacs, A.; Koziol, A. M. G.; Krause, E.; Kremin, A.; Kron, R.; Kuehn, K.; Kuhlmann, S.; Kuropatkin, N.; Lahav, O.; Lasker, J.; Li, T. S.; Li, R. T.; Liddle, A. R.; Lima, M.; Lin, H.; Lopez-Reyes, P.; MacCrann, N.; Maia, M. A. G.; Maloney, J. D.; Manera, M.; March, M.; Marriner, J.; Marshall, J. L.; Martini, P.; McClintock, T.; McKay, T.; McMahon, R. G.; Melchior, P.; Menanteau, F.; Miller, C. J.; Miquel, R.; Mohr, J. J.; Morganson, E.; **Mould, J.**; Neilsen, E.; Nichol, R. C.; Nogueira, F.; Nord, B.; Nugent, P.; Nunes, L.; Ogando, R. L. C.; Old, L.; Pace, A. B.; Palmese, A.; Paz-Chinchon, F.; Peiris, H. V.; Percival, W. J.; Petravick, D.; Plazas, A. A.; Poh, J.; Pond, C.; Porredon, A.; Pujol, A.; Refregier, A.; Reil, K.; Ricker, P. M.; Rollins, R. P.; Romer, A. K.; Roodman, A.; Rooney, P.; Ross, A. J.; Rykoff, E. S.; Sako, M.; Sanchez, M. L.; Sanchez, E.; Santiago, B.; Saro, A.; Scarpine, V.; Scolnic, D.; Serrano, S.; Sevilla-Noarbe, I.; Sheldon, E.; Shipp, N.; Silveira, M. L.; Smith, M.; Smith, R. C.; Smith, J. A.; Soares-Santos, M.; Sobreira, F.; Song, J.; Stebbins, A.; Suchyta, E.; Sullivan, M.; Swanson, M. E. C.; Tarle, G.; Thaler, J.; Thomas, D.; Thomas, R. C.; Troxel, M. A.; **Tucker, D. L.**; Vikram, V.; Vivas, A. K.; Walker, A. R.; Wechsler, R. H.; Weller, J.; Wester, W.; Wolf, R. C.; **Wu, H.**; Yanny, B.; Zenteno, A.; Zhang, Y.; Zuntz, J.; DES



- Collaboration; Juneau, S.; Fitzpatrick, M.; Nikutta, R.; Nidever, D.; Olsen, K.; Scott, A.; NOAO Data La; *The Dark Energy Survey: Data Release 1*, Journal ApJS, Volume 239, Pages 18, Year 2018
54. **Mould, J**; *Supernova Host Spectra from the OzDES Survey*, Volume 514, Pages 179, Year 2018
  55. Durre, M.; **Mould, J**; *The AGN Ionization Cones of NGC 5728. I. Excitation and Nuclear Structure*, Journal ApJ, Volume 867, Pages 149, Year 2018
  56. Chen, X.; Hu, L.; Wang, L.; Koekemoer, A.; **Mould, J.**; Abbott, T.; **Cooke, J.**; **Uddin, S.**; **Wyithe, S.**; Katsianis, A.; **Tescari, E.**; **Curtin, C.**; **Joudaki, S**; *Transient Discovery Report for 2018-10-01*, Journal Transient Name Server Discovery Report, Volume 1478, Year 2018
  57. Hu, L.; Wang, L.; Koekemoer, A.; **Mould, J.**; Abbott, T.; **Cooke, J.**; **Uddin, S.**; **Wyithe, S.**; Katsianis, A.; **Tescari, E.**; **Curtin, C.**; **Joudaki, S.**; Chen, X; *Transient Discovery Report for 2018-10-01*, Journal Transient Name Server Discovery Report, Volume 1477, Year 2018
  58. Hu, L.; Wang, L.; Koekemoer, A.; **Mould, J.**; Abbott, T.; **Cooke, J.**; **Uddin, S.**; **Wyithe, S.**; Katsianis, A.; **Tescari, E.**; **Curtin, C.**; **Joudaki, S.**; *Transient Discovery Report for 2018-08-24*, Journal Transient Name Server Discovery Report, Volume 1238, Year 2018
  59. **Uddin, S. A.**; **Mould, J.**; **Lidman, C.**; Ruhlmann-Kleider, V.; Zhang, B. R; *VizieR Online Data Catalog: Relationships between SNe Ia and the host galaxies (Uddin+, 2017)*, Journal VizieR Online Data Catalog, Volume 184, Year 2018
  60. Davies, L. J. M.; Driver, S. P.; Hashemizadeh, A.; Kushan, S. I.; **Lidman, C.**; Mannering, E.; Panther, F.; **Sharp, R.**; Sommer, N. E.; **Tucker, B. E.**; Zhang, B.; Mudd, D.; Swann, E. S.; Wiseman, P.; **King, A.**; **Mould, J. R.**; Calcino, J.; **Bolejko, K.**; Papadopoulos, A.; Morganson, E.; Desai, S.; Paech, K.; Smith, R. C.; Schubnell, M.; Moller, A.; **Yuan, F.**; **Davis, T. M.**; **Hinton, S.**; Asorey, J.; **Lewis, G. F.**; Muthukrishna, D.; **Uddin, S.**; Kessler, R.; Lasker, J.; Scolnic, D.; Brout, D. J.; DAndrea, C.; Gladney, L.; March, M.;

- Sako, M.; Wolf, R. C.; **Brown, P. J.**; Krisciunas, K.; Suntzeff, N.; Macaulay, E.; Nichol, R.; Maartens, R.; **Childress, M.**; Prajs, S.; Smith, M.; Sullivan, M.; Kovacs, E.; Kuhlmann, S.; Spinka, H.; Ahn, E.; Finley, D. A.; Frieman, J.; Marriner, J.; Wester, W.; Aldering, G.; Gupta, R.; Kim, A. G.; Thomas, R. C.; Barbary, K.; Bloom, J. S.; Goldstein, D.; Nugent, P.; Perlmutter, S.; Foley, R. J.; Pan, Y.-C.; Casas, R.; Castander, F. J; *Classification of 3 DES supernova with OzDES and DEVILS*, Journal The Astronomer's Telegram, Volume 11717, Year 2018
61. **Uddin, S.; Mould, J;** *WiFeS Classification of AT2018cdc / DLT18y as a Type II Supernova*, Journal The Astronomer's Telegram, Volume 11704, Year 2018
  62. Liu, N.; Fu, J. N.; Zong, W.; Wang, L. Z.; **Uddin, S. A.**; Zhang, X. B.; Zhang, Y. P.; Cang, T. Q.; Li, G.; Yang, Y.; Yang, G. C.; **Mould, J.**; Morrell, N; *Photometric Solutions of Three Eclipsing Binary Stars Observed from Dome A, Antarctica*, Journal AJ, Volume 155, Pages 168, Year 2018
  63. Hosseini, Negar; **Griffith, Martin D.**; Leontini, Justin S; *Vortex Shedding and Flow-Induced Vibration of Two Cylinders in Tandem*, Pages 41–52, Year 2019
  64. Leontini, Justin S.; **Griffith, Martin D.**; Jacono, David Lo; Sheridan, Joh; *Flow-Induced Vibration and Energy Harvesting Using Fully-Passive Flapping Foils*, Pages 53–62, Year 2019
  65. Jisheng Zhao; Justin Leontini; David Lo Jacono; John Sherida; *The effect of mass ratio on the structural response of a freely vibrating square cylinder oriented at different angles of attack*, Journal Journal of Fluids and Structures, Volume 86, Pages 200 - 212, Year 2019
  66. M.K. Hasan; R. Manasseh; J.S. Leontin; *Analytic representations of dissipation in partially-submerged reciprocating pipe flow*, Journal European Journal of Mechanics - B/Fluids, Volume 75, Pages 97 - 104, Year 2019
  67. J.S. Leontini; M.D. Griffith; D. LoÂ Jacono; J. Sherida; *The flow-induced vibration of an elliptical cross-section at varying angles of attack*, Journal Journal of Fluids and Structures, Volume 78, Pages 356 - 373, Year 2018

68. Lo Jacono, David; Bourguet, Remi; **Thompson, Mark C.**; Leontini, Justin S; *Three-dimensional mode selection of the flow past a rotating and inline oscillating cylinder*, Journal of Fluid Mechanics, Volume 855, Pages R3, Year 2018
69. Bollen, Dylan; Van Winckel, Hans; Kamath, Devik; *Jet creation in post-AGB binaries: the circum-companion accretion disk around BD+46°442*, Journal A&A, Volume 607, Pages A60, Year 2017
70. Manick, Rajeev; Kamath, Devika; Van Winckel, Hans; Jorissen, Alain; Sekaran, Sanjay; Bowman, Dominic M.; Oomen, Glenn-Michael; Kluska, Jacques; Bollen, Dylan; Waelkens, Christophe; *Spectroscopic binaries RV Tauri and DF Cygni*, Journal A&A, Volume 628, Pages A40, Year 2019 *Diffusion of low-molecular-weight permeants through semi-crystalline polymers: combining molecular dynamics with semi-empirical models*, Journal Polymer International, Volume 67, Pages 717-725, Year 2018
71. Batten, Ada; *Fruitbat: A Python Package for Estimating Redshifts of Fast Radio Bursts*, Journal Journal of Open Source Software, Volume 4, Pages 1399, Year 2019
72. Ellert van der Velden; Alan R. Duffy; Darren Croton; Simon J. Mutch; Manodeep Singh; *Model Dispersion with PRISM: An Alternative to MCMC for Rapid Analysis of Models*, Journal The Astrophysical Journal Supplement Series, Volume 242, Pages 22, Year 2019
73. **Blake, Chris**; **Achitouv, Ixandra**; Burden, Angela; Rasera, Yan; *The environmental dependence of the baryon acoustic peak in the Baryon Oscillation Spectroscopic Survey CMASS sample*, Journal MNRAS, Volume 482, Pages 578-587, Year 2019
74. Carter, Paul; Beutler, Florian; Percival, Will J.; Blake, Chris; **Koda, Jun**; Ross, Ashley J; *Low redshift baryon acoustic oscillation measurement from the reconstructed 6-degree field galaxy survey*, Journal MNRAS, Volume 481, Pages 2371-2383, Year 2018
75. Hildebrandt, H.; Kohlinger, F.; van den Busch, J. L.; Joachimi, B.; Heymans, C.; Kannawadi, A.; Wright, A. H.; Asgari, M.; **Blake, C.**; Hoekstra, H; *KiDS+VIKING-450: Cosmic shear tomography with optical+infrared data*, Journal arXiv e-prints, Pages arXiv:1812.06076, Year

- 2018 *Power spectrum multipoles on the curved sky: an application to the 6-degree Field Galaxy Survey*, Journal MNRAS, Volume 479, Pages 5168-5183, Year 2018
76. Amon, A.; **Blake, C.**; Heymans, C.; Leonard, C. D.; Asgari, M.; Bilicki, M.; Choi, A.; Erben, T.; Glazebrook, K.; Harois-Deraps, J; *KiDS+2dFLenS+GAMA: testing the cosmological model with the  $E_G$  statistic*, Journal MNRAS, Volume 479, Pages 3422-3437, Year 2018
  77. Conrad Perry; Marco Zorzi; Johannes C. Ziegler; *Understanding Dyslexia Through Personalized Large-Scale Computational Models*, Journal Psychological Science, Volume 30, Pages 386-395, Year 2019
  78. Wei-Hung Hsu; Frances Camille P. Masim; Armandas Balcytis; Hsin-Hui Huang; Tetsu Yonezawa; Aleksandr A. Kuchmizhak; Saulius Juodkazis; Koji Hatanak; *Enhancement of X-ray emission from nanocolloidal gold suspensions under double-pulse excitation*, Journal Beilstein Journal of Nanotechnology, Volume 9, Pages 2609-2617, Year 2018 *Noble metal-modified faceted anatase titania photocatalysts: Octahedron versus decahedron*, Journal Applied Catalysis B: Environmental, Volume 237, Pages 574 - 587, Year 2018
  79. Yoshiaki Nishijima; Armandas Balvytis; Shin Naganuma; Gediminas Seniutinas; Saulius Juodkazi; *Kirchhoff's metasurfaces towards efficient photo-thermal energy conversion*, Year 2019
  80. Cortese, L.; van de Sande, J.; Lagos, C. P.; Catinella, B.; Davies, L. J. M.; **Croom, S. M.**; Brough, S.; Bryant, J. J.; Lawrence, J. S.; Owers, M. S.; Richards, S. N.; Sweet, S. M.; B; -Hawthorn, J; *The SAMI Galaxy Survey: satellite galaxies undergo little structural change during their quenching phase*, Journal MNRAS, Volume 485, Pages 2656-2665, Year 2019
  81. Sanchez, S. F.; Barrera-Ballesteros, J. K.; Lopez-Coba, C.; **Brough, S.**; Bryant, J. J.; B; -Hawthorn, J.; **Croom, S. M.**; van de Sande, J.; Cortese, L.; Goodwin, M.; Lawrence, J. S.; Lopez-Sanchez, A. R.; Sweet, S. M.; Owers, M. S.; Richards, S. N.; Walcher, C. J; *The SAMI galaxy survey: exploring the gas-phase mass-metallicity relation*, Journal MNRAS, Volume 484, Pages 3042-3070, Year 2019

82. van de Sande, Jesse; Lagos, Claudia D. P.; Welker, Charlotte; **Bland-Hawthorn, Joss**; Schulze, Felix; Remus, Rhea-Silvia; Bahe, Yannick; **Brough, Sarah**; Bryant, Julia J.; Cortese, Luca; **Croom, Scott M.**; Devriendt, Julien; Dubois, Yohan; Goodwin, Michael; Konstantopoulos, Iraklis S.; Lawrence, Jon S.; Medling, Anne M.; Pichon, Christophe; Richards, Samuel N.; Sanchez, Sebastian F.; Scott, Nicholas; Sweet, Sarah M; *The SAMI Galaxy Survey: comparing 3D spectroscopic observations with galaxies from cosmological hydrodynamical simulations*, Journal MNRAS, Volume 484, Pages 869-891, Year 2019
  
83. Schaefer, A. L.; **Croom, S. M.**; Scott, N.; **Brough, S.**; Allen, J. T.; Bekki, K.; **Bland-Hawthorn, J.**; Bloom, J. V.; Bryant, J. J.; Cortese, L.; Davies, L. J. M.; Federrath, C.; Fogarty, L. M. R.; Green, A. W.; Groves, B.; **Hopkins, A. M.**; Konstantopoulos, I. S.; Lopez-Sanchez, A. R.; Lawrence, J. S.; McElroy, R. E.; Medling, A. M.; Owers, M. S.; **Pracy, M. B.**; Richards, S. N.; Robotham, A. S. G.; van de Sande, J.; **Tonini, C.**; Yi, S. K; *The SAMI Galaxy Survey: observing the environmental quenching of star formation in GAMA groups*, Journal MNRAS, Volume 483, Pages 2851-2870, Year 2019
  
84. Owers, Matt S.; Hudson, Michael J.; Oman, Kyle A.; B; -Hawthorn, Joss; **Brough, S.**; Bryant, Julia J.; Cortese, Luca; **Couch, Warrick J.**; **Croom, Scott M.**; van de Sande, Jesse; Federrath, Christoph; Groves, Brent; Hopkins, A. M.; Lawrence, J. S.; Lorente, Nuria P. F.; McDermid, Richard M.; Medling, Anne M.; Richards, Samuel N.; Scott, Nicholas; Taranu, Dan S.; Welker, Charlotte; Yi, Sukyoung K; *The SAMI Galaxy Survey: Quenching of Star Formation in Clusters I. Transition Galaxies*, Journal ApJ, Volume 873, Pages 52, Year 2019
  
85. Bryant, J. J.; **Croom, S. M.**; van de Sande, J.; Scott, N.; Fogarty, L. M. R.; **Bland-Hawthorn, J.**; Bloom, J. V.; Taylor, E. N.; **Brough, S.**; Robotham, A.; Cortese, L.; **Couch, W.**; Owers, M. S.; Medling, A. M.; Federrath, C.; Bekki, K.; Richards, S. N.; Lawrence, J. S.; Konstantopoulos, I. S; *The SAMI Galaxy Survey: stellar and gas misalignments and the origin of gas in nearby galaxies*, Journal MNRAS, Volume 483, Pages 458-479, Year 2019
  
86. Tiley, A. L.; Bureau, M.; Cortese, L.; Harrison, C. M.; Johnson, H. L.; Stott, J. P.; Swinbank,

- A. M.; Smail, I.; Sobral, D.; Bunker, A. J.; **Glazebrook, K.**; Bower, R. G.; **Obreschkow, D.**; Bryant, J. J.; Jarvis, M. J.; **Bland-Hawthorn, J.**; Magdis, G.; Medling, A. M.; Sweet, S. M.; **Tonini, C.**; Turner, O. J.; Sharples, R. M.; **Croom, S. M.**; Goodwin, M.; Konstantopoulos, I. S.; Lorente, N. P. F.; Lawrence, J. S.; **Mould, J.**; Owers, M. S.; Richards, S. N; *KROSS-SAMI: a direct IFS comparison of the Tully-Fisher relation across 8 Gyr since  $z \approx 1$* , Journal MNRAS, Volume 482, Pages 2166-2188, Year 2019
87. Scott, Nicholas; van de Sande, Jesse; **Croom, Scott M.**; Groves, Brent; Owers, Matt S.; Poetrodjojo, Henry; DEugenio, Francesco; Medling, Anne M.; **Barat, Dilyar**; Barone, Tania M.; **Bland-Hawthorn, Joss**; **Brough, Sarah**; Bryant, Julia; Cortese, Luca; **Foster, Caroline**; Green, Andrew W.; Oh, Sree; **Colless, Matthew**; Drinkwater, Michael J.; Driver, Simon P.; Goodwin, Michael; Gunawardhana, Madusha L. P.; Federrath, Christoph; Hariscara, Lloyd; Jin, Yifei; Lawrence, J. S.; Lorente, Nuria P.; Mannering, Elizabeth; OToole, Simon; Richards, Samuel N.; Sanchez, Sebastian F.; Schaefer, Adam L.; Sealey, Katrina; **Sharp, Rob**; Sweet, Sarah M.; Taranu, Dan S.; Varidel, Mathe; *The SAMI Galaxy Survey: Data Release Two with absorption-line physics value-added products*, Journal MNRAS, Volume 481, Pages 2299-2319, Year 2018
88. **Foster, C.**; van de Sande, J.; Cortese, L.; Croom, S. M.; **Bland-Hawthorn, J.**; **Brough, S.**; Bryant, J. J.; Goodwin, M.; Lawrence, J. S.; Lorente, N.; Medling, A. M.; Owers, M.; Richards, S. N.; Scott, N; *The SAMI Galaxy Survey: embedded discs and radial trends in outer dynamical support across the Hubble sequence*, Journal MNRAS, Volume 480, Pages 3105-3116, Year 2018
89. Poetrodjojo, Henry; Groves, Brent; **Kewley, Lisa J.**; Medling, Anne M.; Sweet, Sarah M.; van de Sande, Jesse; Sanchez, Sebastian F.; **Bland-Hawthorn, Joss**; **Brough, Sarah**; Bryant, Julia J.; Cortese, Luca; **Croom, Scott M.**; Lopez-Sanchez, Angel R.; Richards, Samuel N.; Zafar, Tayyaba; Lawrence, Jon S.; Lorente, Nuria P. F.; Owers, Matt S.; Scott, Nichola; *The SAMI Galaxy Survey: Spatially resolved metallicity and ionization mapping*, Journal MNRAS, Volume 479, Pages 5235-5265, Year 2018
90. Moriya, Takashi J.; Tanaka, Masaomi; Morokuma, Tomoki; Pan, Yen-Chen; Quimby, Robert

- M.; Jiang, Ji-an; Kawana, Kojiro; Maeda, Keiichi; Nomoto, Kentextquoterightichi; Suzuki, Nao; Takahashi, Ichiro; Tanaka, Masayuki; Tominaga, Nozomu; Yamaguchi, Masaki; Yasuda, Naoki; **Cooke, Jeff**; **Curtin, Chris**; Galbany, Lluís; Gonzalez-Gaitan, Santiago; Lee, Chien-Hsiu; Pignata, Giuliano; **Pritchard, Tyle**; *HSC16aayt: A Slowly Evolving Interacting Transient Rising for More than 100 Days*, Journal ApJ, Volume 882, Pages 70, Year 2019
91. Wang, Lifan; **Mould, J.**; Baade, D.; Baron, E.; Bromm, V.; **Cooke, J.**; Fan, X.; Foley, R.; Fruchter, A.; Gal-Yam, A.; Heger, A.; Hofflich, P.; Howell, D. A.; Kashlinsky, A.; Koekemoer, A.; Mather, J.; Mazzali, P.; Pacucci, F.; Patat, F.; Pian, E.; Perlmutter, S.; Rest, A.; Rubin, D.; ; , D.; Stubbs, C.; Suntzeff, N.; Wang, X. -F.; Whalen, D.; Wheeler, J. C.; Yue, B; *JWST: Probing the Epoch of Reionization with a Wide Field Time-Domain Survey*, Journal Bulletin of the AAS, Volume 51, Pages 399, Year 2019
92. **Andreoni, Igor**; Goldstein, Daniel A.; Anand, Shreya; Coughlin, Michael W.; Singer, Leo P.; Ahumada, Tomas; Medford, Michael; Kool, Erik C.; **Webb, Sara**; Bulla, Mattia; Bloom, Joshua S.; Kasliwal, Mansi M.; Nugent, Peter E.; Bagdasaryan, Ashot; Barnes, Jennifer; Cook, David O.; **Cooke, Jeff**; Duev, Dmitry A.; Fremling, U. Christoffer; Gatkine, Pradip; Golkhou, V. Zach; Kong, Albert K. H.; Mahabal, Ashish; Martinez-Palomera, Jorge; Tao, Duo; Zhang, Kemin; *GROWTH on S190510g: DECam Observation Planning and Follow-up of a Distant Binary Neutron Star Merger Candidate*, Journal ApJL, Volume 881, Pages L16, Year 2019
93. Goldstein, Daniel A.; **Andreoni, Igor**; Nugent, Peter E.; Kasliwal, Mansi M.; Coughlin, Michael W.; Anand, Shreya; Bloom, Joshua S.; Martinez-Palomera, Jorge; Zhang, Kemin; Ahumada, Tomas; Bagdasaryan, Ashot; **Cooke, Jeff**; De, Kishalay; Duev, Dmitry A.; Fremling, U. Christoffer; Gatkine, Pradip; Graham, Matthew; Ofek, Eran O.; Singer, Leo P.; Yan, Li; *GROWTH on S190426c: Real-time Search for a Counterpart to the Probable Neutron StarâBlack Hole Merger using an Automated Difference Imaging Pipeline for DECam*, Journal ApJL, Volume 881, Pages L7, Year 2019
94. **Curtin, Chris**; **Cooke, Jeff**; Moriya, Takashi J.; Tanaka, Masayuki; Quimby, Robert

- M.; Bernard, Stephanie R.; Galbany, Lluís; Jiang, Ji-an; Lee, Chien-Hsiu; Maeda, Keiichi; Morokuma, Tomoki; Nomoto, Kenichi; Pignata, Giuliano; **Pritchard, Tyler**; Suzuki, Nao; Takahashi, Ichiro; Tanaka, Masaomi; Tominaga, Nozomu; Yamaguchi, Masaki; Yasuda, Naoki; *First Release of High-redshift Superluminous Supernovae from the Subaru High-Z Supernova Campaign (SHIZUCA). II. Spectroscopic Properties*, Journal ApJS, Volume 241, Pages 17, Year 2019
95. Moriya, Takashi J.; Tanaka, Masaomi; Yasuda, Naoki; Jiang, Ji-an; Lee, Chien-Hsiu; Maeda, Keiichi; Morokuma, Tomoki; Nomoto, Kenichi; Quimby, Robert M.; Suzuki, Nao; Takahashi, Ichiro; Tanaka, Masayuki; Tominaga, Nozomu; Yamaguchi, Masaki; Bernard, Stephanie R.; **Cooke, Jeff**; **Curtin, Chris**; Galbany, Lluís; Gonzalez-Gaitan, Santiago; Pignata, Giuliano; **Pritchard, Tyler**; Komiyama, Yutaka; Lupton, Robert H; *First Release of High-Redshift Superluminous Supernovae from the Subaru High-Z Supernova Campaign (SHIZUCA). I. Photometric Properties*, Journal ApJS, Volume 241, Pages 16, Year 2019
96. **Caleb, M.**; **van Straten, W.**; **Keane, E. F.**; **Jameson, A.**; **Bailes, M.**; **Barr, E. D.**; **Flynn, C.**; Ilie, C. D.; **Petroff, E.**; Rogers, A.; Stappers, B. W.; Venkatraman Krishnan, V.; Weltevrede, P; *Polarization studies of rotating radio transients*, Journal MNRAS, Volume 487, Pages 1191-1199, Year 2019
97. Wang, Jia; Liu, Xia-Ji; Hu, Hu; *Roton-induced Bose polaron in the presence of synthetic spin-orbit coupling*, Journal arXiv e-prints, Pages arXiv:1902.08333, Year 2019
98. Vernardos, Georgios; Tsagkatakis, Grigorio; *Quasar microlensing light-curve analysis using deep machine learning*, Journal MNRAS, Volume 486, Pages 1944-1952, Year 2019
99. Vernardos, G; *Microlensing flux ratio predictions for Euclid*, Journal MNRAS, Volume 483, Pages 5583-5594, Year 2019
100. Sadus, Richard J; *Intermolecular Potential-Based Equations of State from Molecular Simulation and Second Virial Coefficient Properties*, Journal The Journal of Physical Chemistry B, Volume 122, Pages 7757-7763, Year 2018



101. Sadus, Richard J; *Second virial coefficient properties of the n-m Lennard-Jones/Mie potential*, Journal JCP, Volume 149, Pages 074504, Year 2018
102. Sadus, Richar; *Molecular simulation of orthobaric isochoric heat capacities near the critical point*, Journal Physical Review E, Volume 99, Year 2019
103. Deiters,Ulrich K. ; Sadus,Richard J.; *Two-body interatomic potentials for He, Ne, Ar, Kr, and Xe from ab initio data*, Journal The Journal of Chemical Physics, Volume 150, Pages 134504, Year 2019
104. Losey,James ; Kannam,Sridhar K. ; Todd,B. D. ; Sadus,Richard J.; *Flow of water through carbon nanotubes predicted by different atomistic water models*, Journal The Journal of Chemical Physics, Volume 150, Pages 194501, Year 2019
105. Losey, James; Sadus, Richard J; *Thermodynamic properties and anomalous behavior of double-Gaussian core model potential fluids*, Journal Phys. Rev. E, Volume 100, Pages 012112, Year 2019
106. Deiters,Ulrich K. ; Sadus,Richard J.; *Fully a priori prediction of the vapor-liquid equilibria of Ar, Kr, and Xe from ab initio two-body plus three-body interatomic potentials*, Journal The Journal of Chemical Physics, Volume 151, Pages 034509, Year 2019
107. Arooj, Q.; Wang, F; *Switching on optical properties of D- $\pi$ -A DSSC sensitizers from  $\pi$ -spacers towards machine learning*, Journal Solar Energy, Volume 188, Pages 1189-1200, Year 2019
108. Chiarinelli, J.; Casavola, A. R.; Castrovilli, M. C.; Bolognesi, P.; Cartoni, A.; Wang, F.; Richter, R.; Catone, D.; Tasic, S.; Marinkovic, B. P.; Avaldi, L.; *Radiation damage mechanisms of chemotherapeutically active nitroimidazole derived compounds*, Journal Frontiers in Chemistry, Volume 7, Pages 329, Year 2019
109. Frederick Backler; Gregory J. Wilson; Feng Wan; *Rational use of ligand to shift the UVâvis spectrum of Ru-complex sensitiser dyes for DSSC applications*, Journal Radiation Physics and Chemistry, Volume 161, Pages 66 - 71, Year 2019

110. Islam,Shawkat ; Ganesan,Aravindhana ; Auchettl,Rebecca ; Plekan,Oksana ; Acres,Robert G. ; Wang,Feng ; Prince,Kevin C.; *Electronic structure and intramolecular interactions in three methoxyphenol isomers*, Journal The Journal of Chemical Physics, Volume 149, Pages 134312, Year 2018
111. Chiarinelli, Jacopo; Bolognesi, Paola; Domaracka, Alicja; Rousseau, Patrick; Castrovilli, Mattea Carmen; Richter, Robert; Chatterjee, Subhojyoti; Wang, Feng; Avaldi, Lorenz; *Insights into the dissociative ionization of glycine by PEPICO experiments*, Journal Phys. Chem. Chem. Phys., Volume 20, Pages 22841-22848, Year 2018
112. Ikabata,Yasuhiro ; Aiba,Risa ; Iwanade,Toru ; Nishizawa,Hiroaki ; Wang,Feng ; Nakai,Hiromi; *Quantum chemical approach for positron annihilation spectra of atoms and molecules beyond plane-wave approximation*, Journal The Journal of Chemical Physics, Volume 148, Pages 184110, Year 2018
113. Khattab, Muhammad; Wang, Feng; Clayton, Andrew H. A; *Conformational Plasticity in Tyrosine Kinase InhibitorâKinase Interactions Revealed with Fluorescence Spectroscopy and Theoretical Calculations*, Journal The Journal of Physical Chemistry B, Volume 122, Pages 4667-4679, Year 2018
114. Chatterjee, Subhojyoti; Olsen, Seth; Blanch, Ewan W.; Wang, Fen; *Resveratrolâs Hidden Hand: A Route to the Optical Detection of Biomolecular Binding*, Journal The Journal of Physical Chemistry B, Volume 122, Pages 2841-2850, Year 2018
115. Amarantidis, Stergios; Afonso, Jose; Messias, Hugo; Henriques, Bruno; Griffin, Andrew; Lacey, Cedric; Lagos, Claudia del P.; Gonzalez-Perez, Violeta; Dubois, Yohan; Volonteri, Marta; Matute, Israel; Pappalardo, Ciro; Qin, Yuxiang; Chary, Ranga-Ram; Norris, Ray P; *The first supermassive black holes: indications from models for future observations*, Journal MNRAS, Volume 485, Pages 2694-2709, Year 2019
116. Agnew, Matthew T.; **Maddison, Sarah T.**; Horner, Jonathan; Kane, Stephen R; *Predicting multiple planet stability and habitable zone companions in the TESS era*, Journal MNRAS, Volume 485, Pages 4703-4725, Year 2019

117. Birchall, Eloise K.; Ireland, Michael J.; Federrath, Christoph; Monnier, John D.; Kraus, Stefan; Willson, Matthew; Kraus, Adam L.; Rizzuto, Aaron; Agnew, Matthew T.; **Maddison, Sarah T**; *Tiny grains shining bright in the gaps of Herbig Ae transitional discs*, Journal MNRAS, Volume 486, Pages 3721-3740, Year 2019