

Refereed Journal Publications (*h*-index = 48)total 1st author+student citations = 1208, advised students in blue^{*})

1. **Otter, Justin^{*}**; **Alatalo, Katherine**; Rowlands, Kate; Patil, Pallavi; Skarbinski, Maya; Dysarz, Lauren and 20 co-authors “*Clumpy, dense gas in the outflow of NGC 1266*” 2025, submitted to the AAS Journals
2. **Skarbinski, Maya^{*}**; Rowlands, Kate; **Alatalo, Katherine**; Wild, Vivienne; Carnall, Adam C.; Almaini, Omar and 16 co-authors “*The JWST EXCELS survey: Insights into the nature of quenching at cosmic noon*” 2025, submitted to the AAS Journals
3. **Luo, Yuanze**; Rowlands, Kate; **Alatalo, Katherine**; Lanz, Lauranne; Heckman, Timothy and 12 co-authors “*A Multiwavelength Evaluation of AGN in the Post-Starburst Phase*” 2025, submitted to the AAS Journals
4. **Luo, Yuanze^{*}**; Petric, Andreea O.; Janssen, Reinier M.; Fadda, Dario; Flagey, Nicolas; Omont, Alain; Jacob, Arshia; Rowlands, Kate; **Alatalo, Katherine**; Billot, Nicolas and 10 co-authors “*Measuring the ISM Content of Nearby, Luminous, Type 1 and Type 2 QSOs through CO and [C II]*” 2025, the Astrophysical Journal, [981](#), [194](#)
5. **Alatalo, Katherine**; Petric, Andreea O.; Lanz, Lauranne; Rowlands, Kate; U, Vivian; Larson, Kirsten L. and 15 co-authors “*Characterizing the Molecular Gas in Infrared Bright Galaxies with CARMA*” 2024, the Astrophysical Journal, [975](#), [241](#)
6. **Otter, Justin^{*}**; **Alatalo, Katherine**; Rowlands, Kate; McDermid, Richard; Davis, Timothy; Federrath, Christoph and 18 co-authors “*Pulling back the curtain on shocks and star-formation in NGC1266 with Gemini-NIFS*” 2024, the Astrophysical Journal, [975](#), [142](#)
7. Sazonova, Elizaveta; Morgan, Cameron; Balogh, Michael; **Alatalo, Katherine**; Benavides, Jose A. and 10 co-authors “*RMS Asymmetry: A Robust Metric of Galaxy Shapes in Images with Varied Depth and Resolution*” 2024, The Open Journal of Astrophysics, [7E](#), [77](#)
8. **Otter, Justin^{*}**; Rowlands, Kate; **Alatalo, Katherine**; Leung, Ho-Hin; and 23 co-authors “*Resolved Molecular Gas Observations of MaNGA Post-Starbursts Reveal a Tumultuous Past*” 2022, the Astrophysical Journal [941](#), [93](#)
9. **Luo, Yuanze^{*}**; Rowlands, Kate; **Alatalo, Katherine**; Sazonova, Elizaveta; and 13 co-authors “*A Multiwavelength view of IC 860: What Is in Action inside Quenching Galaxies*” 2022, the Astrophysical Journal, [938](#), [63](#)
10. Lanz, Lauranne; Stepanoff, Sofia; Hickox, Ryan; **Alatalo, Katherine**; French, K. Decker; and 8 co-authors “*Are Active Galactic Nuclei in Post-Starburst Galaxies Driving the Change or Along for the Ride?*” 2022, the Astrophysical Journal, [935](#), [29](#)
11. **Sazonova, Elizaveta^{*}**; **Alatalo, Katherine**; Rowlands, Kate; Deustua, Susana; and 11 co-authors “*Are all post-starbursts mergers? HST reveals hidden disturbances in the majority of PSBs*” 2021, the Astrophysical Journal, [919](#), [134](#)
12. **Sazonova, Elizaveta^{*}**; **Alatalo, Katherine**; Boone, Kyle; Brodwin, Mark; Hayden, Brian; Lanz, Lauranne; Lotz, Jennifer; Perlmutter, Saul; Rodriguez-Gomez, Vicente; Rowlands, Kate & Snyder, Gregory F. “*The Morphology-Density Relationship in $1 < z < 2$ Clusters*”, 2020, the Astrophysical Journal, [899](#), [85](#)

^{*}Student at the time of publication

13. **Salim, Diane M.***; **Alatalo, Katherine**; Federrath, Christoph; Groves, Brent & Kewley, Lisa J. “*Spinning Bar and a Star-formation Inefficient Repertoire: Turbulence in Hickson Compact Group NGC 7674*”, 2020, the Astrophysical Journal, [893](#), [26](#)
14. **Pitchford, L. K.***; Farrah, D.; **Alatalo, K.**; Afonso, J.; Efstathiou, A.; Hatziminaoglou, E.; Lacy, M.; Urrutia, T. & Violino, G “*No evidence that AGN-driven winds expel the cold gas reservoir in a star-forming FeLoBAL quasar*”, 2019, Monthly Notices of the Royal Astronomical Society, [487](#), [3130](#)
15. **Ardila, Felipe***; **Alatalo, Katherine**; Lanz, Lorraine; Appleton, Philip N.; Beaton, Rachael L.; Bitsakis, Theodoros; Cales, Sabrina L. and 7 co-authors “*Shocked POSTstarburst Galaxy Survey. III. The Ultraviolet Properties of SPOGs*”, 2018, the Astrophysical Journal, [863](#), [28](#)
16. **Alatalo, Katherine**; Lacy, Mark; Bitsakis, Theodoros; Brown, Michael J.I.; Ciesla, Laure and 14 co-authors “*Welcome to the Twilight Zone: The Mid-Infrared Properties of Poststarburst Galaxies*” 2017, the Astrophysical Journal, [843](#), [9](#)
17. **Roberts Borsani, G. W.***; **Jiménez-Donaire, M. J.***; **Daprà, M.***; **Alatalo, K.**; and 18 co-authors “*Enhanced C I in an ACT-selected Lensed Submillimeter Galaxy at $z = 2.64$: Evidence for a Molecular Outflow at High Redshift*” 2017, the Astrophysical Journal, [844](#), [110](#)
18. Lisenfeld, U; **Alatalo, K.**; Zucker, C.; Appleton, P.N.; Gallagher, S.; Guillard, P.; & Johnson, K. “*The role of molecular gas in galaxy transition in compact groups*” 2017, Astronomy & Astrophysics, [607](#), [110](#)
19. **Alatalo, Katherine**; Aladro, Rebeca; Nyland, Kristina; Aalto, Susanne; Bitsakis, Theodoros; Gallagher, John S. & Lanz, Lorraine “*After the Interaction: An Efficiently Star-forming Molecular Disk in NGC 5195*” 2016, the Astrophysical Journal, [830](#), [137](#)
20. **Alatalo, Katherine**; Lisenfeld, Ute; Appleton, Philip N.; Cales, Sabrina L.; Kewley, Lisa J.; Lacy, Mark; Lanz, Lorraine; Medling, Anne M.; Nyland, Kristina; Rich, Jeffery A. & Urry, C. Meg “*Shocked POSTstarburst Galaxy Survey II: the Molecular Gas Content and Properties of a Subset of SPOGs*” 2016, the Astrophysical Journal, [827](#), [106](#)
21. **Alatalo, Katherine**; Cales, Sabrina L.; Rich, Jeffery A.; Appleton, Philip N.; Kewley, Lisa J.; Lacy, Mark; Lanz, Lorraine; Lisenfeld, Ute; Medling, Anne & Nyland, Kristina “*Shocked POSTstarburst Galaxy Survey I: Candidate Poststarburst Galaxies with Emission Line Ratios Consistent with Shocks*” 2016, the Astrophysical Journal Supplements, [224](#), [38](#)
22. Lanz, Lorraine; Ogle, Patrick M.; **Alatalo, Katherine** & Appleton, Philip N. “*Star Formation Suppression Due to Jet Feedback in Radio Galaxies with Shocked Warm Molecular Gas*” 2016, the Astrophysical Journal, [826](#), [29](#)
23. **Alatalo, K.**; Appleton, P.N.; Lisenfeld, U.; Bitsakis, T.; Lanz, L.; Lacy, M.; and 13 co-authors “*Star Formation Suppression in Compact Group Galaxies: a New Path to Quenching?*” 2015, the Astrophysical Journal, [812](#), [117](#)
24. **Alatalo, Katherine**; Crocker, Alison F.; Aalto, Susanne; Davis, Timothy A.; Nyland, Kristina; Bureau, Martin; Duc, Pierre-Alain; Krajnović, Davor & Young, Lisa M. “*Evidence of boosted $^{13}\text{CO}/^{12}\text{CO}$ ratio in early-type galaxies in dense environments*” 2015, Monthly Notices of the Royal Astronomical Society, [450](#), [3874](#)
25. **Alatalo, Katherine** “*Escape, Accretion, or Star Formation? The Competing Depleters of Gas in the Quasar Markarian 231*” 2015, the Astrophysical Journal Letters, [810](#), [L17](#)

26. **McBride, James***; **Alatalo, Katherine** & Nyland, Kristina “*Observations of Hydroxyl in Early-type Galaxies*” 2015, Monthly Notices of the Royal Astronomical Society, [447, 392](#)
 27. **Alatalo, Katherine**; Lacy, Mark; Lanz, Lorraine; Bitsakis, Theodoros; Appleton, Philip N. and 9 co-authors “*Suppression of star formation in NGC 1266.*” 2015, the Astrophysical Journal, [798, 31](#)
 28. **Alatalo, K.**; Appleton, P. N.; Lisenfeld, U., Bitsakis, T.; Guillard, P. and 12 co-authors “*Strong Far-infrared Cooling Lines, Peculiar CO Kinematics, and Possible Star-formation Suppression in Hickson Compact Group 57*” 2014, the Astrophysical Journal, [95, 159](#)
 29. **Alatalo, Katherine**; Cales, Sabrina L.; Appleton, Philip N.; Kewley, Lisa J.; Lacy, Mark; Lisenfeld, Ute; Nyland, Kristina & Rich, Jeffrey A. “*Catching Quenching Galaxies: The Nature of the WISE Infrared Transition Zone*” 2014, the Astrophysical Journal, [794, L13](#)
 30. **Alatalo, Katherine**; Nyland, Kristina; Graves, Genevieve; Deustua, Susana; Shapiro Griffin, Kristen and 25 co-authors “*NGC 1266 as a Local Candidate for Rapid Cessation of Star Formation.*” 2014, the Astrophysical Journal, [780, 186](#)
 31. **Alatalo, Katherine**; Davis, Timothy A.; Bureau, Martin; Young, Lisa M.; Blitz, Leo and 21 co-authors “*The ATLAS^{3D} project – XVIII. CARMA CO imaging survey of early-type galaxies*” 2013, Monthly Notices of the Royal Astronomical Society, [432, 1796](#)
 32. **Nyland, Kristina***; **Alatalo, Katherine**; Wrobel, J. M.; Young, Lisa M.; Morganti, Raffaella; Davis, Timothy A.; de Zeeuw, P. T. and Deustua, Susana “*Detection of a High Brightness Temperature Radio Core in the AGN-Driven Molecular Outflow Candidate NGC 1266.*” 2013, the Astrophysical Journal, [779, 173](#)
 33. Davis, Timothy A.; **Alatalo, Katherine**; Bureau, Martin; Cappellari, Michele; Scott, Nicholas and 21 co-authors “*The ATLAS^{3D} project. – XIV. The extend and kinematics of the molecular gas in early-type galaxies.*” 2013, Monthly Notices of the Royal Astronomical Society, [429, 534](#)
 34. **Alatalo, K.**; Blitz, L.; Young, L. M.; Davis, T. A.; Bureau, M.; Lopez, L. A. and 23 co-authors “*Discovery of an AGN-Driven Molecular Outflow in the Local Early-Type Galaxy NGC 1266*” 2011, the Astrophysical Journal, [735, 88](#)
 35. Davis, Timothy A.; **Alatalo, Katherine**; Sarzi, Marc; Bureau, Martin and 21 co-authors “*The ATLAS^{3D} project – X. On the origin of the molecular and ionised gas in early-type galaxies*” 2011, Monthly Notices of the Royal Astronomical Society, [417, 882](#)
 36. Yost, S. A.; **Alatalo, K.**; Rykoff, E. S.; Aharonian, F.; Akerlof, C. W. and 27 co-authors “*Optical Light Curve and Cooling Break of GRB 050502A*” 2006, the Astrophysical Journal, [636, 959](#)
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37. Almaini, Omar; Wild, Vivienne; Maltby, David; Taylor, Elizabeth; Rowlands, Kate; de Lisle, Thomas; **Alatalo, Katherine**; Harrold, Jimi; Hewitt, Guillaume; Patil, Pallavi; Skarbinski, Maya “*No evidence of excess AGN activity in recently quenched massive galaxies at cosmic noon*”, 2025, Monthly Notices of the Royal Astronomical Society, [539, 3568](#)
 38. O’Sullivan, Ewan; Appleton, P. N.; Joshi, B. A.; Lanz, Lorraine; **Alatalo, Katherine**; Vrtilek, Jan M.; Zezas, Andreas; David, Laurence P. “*HCG 57: Evidence for Shock-heated Intergalactic Gas from X-rays and Optical Emission Line Spectroscopy*”, 2025, the Astrophysical Journal, [979, 240](#)

39. Emonts, B. H. C.; Appleton, P. N.; Lisenfeld, U.; 11 co-authors, **Alatalo, K.**; Boulanger, F.; Díaz-Santos, T.; Helou, G. “*Bird’s-Eye View of Molecular Gas across Stephan’s Quintet Galaxy Group and Intragroup Medium*”, 2025, the Astrophysical Journal, [978, 111](#)
40. Fodor, Antoniu; Tomko, Taylor; Braun, Mary; Medling, Anne M.; 9 co-authors, **Alatalo, Katherine**; Rowlands, Kate & Heckman, Timothy “*Shocked POststarburst Galaxy Survey. IV. Outflows in Shocked Post-Starburst Galaxies Are Not Responsible For Quenching*” 2025, the Astrophysical Journal, [979, 94](#)
41. Agostino, James; Medling, Anne; Barcos-Muñoz, Loreto; U, Vivian; Privon, George; Cicone, Claudia; Armus, Lee; Moreno, Jorge; Ricci, Claudio; Song, Yiqing; Hayward, Christopher; **Alatalo, Katherine** & Sanders, Dave “*Constraining Nuclear Molecular Gas Content with High Resolution CO Imaging of GOALS Galaxies*” 2023, submitted to the Astrophysical Journal
42. Lebowitz, Sophie; Emonts, Bjorn; Tendrup, Donald M.; 7 co-authors; **Alatalo, Katherine** *The Dragonfly Galaxy. III. Jet-brightening of a High-redshift Radio Source Caught in a Violent Merger of Disk Galaxies*, 2023, The Astrophysical Journal [951, 73](#)
43. Appleton, P. N.; Guillard, P.; Emonts, B.; Boulanger, F.; Togi, A.; Reach, W. T.; **Alatalo, K.** and 8 co-authors. *Multi-phase gas interactions on subarcsecond scales in the shocked IGM of Stephan’s Quintet with JWST and ALMA*, 2023, The Astrophysical Journal [951, 104](#)
44. Beaulieu, Damien; Petric, Andreea; Robert, Carmelle; **Alatalo, Katherine**; Heckman, Timothy; Merhi, Maya; Rousseau-Nepton, Lauria & Rowlands, Kate. *Forming stars in a dual AGN host: molecular and ionized gas in the nearly, luminous infrared merger, Mrk 266*, 2023, MNRAS, [518, 1407](#)
45. French, K. Decker; Smercina, Adam; Rowlands, Kate; Tripathi, Akshat; Zabludoff, Ann; Narayanan, Desika; Yang, Yujin; Shirley, Yancy & **Alatalo, Katherine** “*The State of the Molecular Gas in Post-Starburst Galaxies*”, 2023, the Astrophysical Journal, [942, 25](#)
46. Glenn, Jason; Bradford, Charles M.; Rosolowsky, Erik; Amini, Rashied; **Alatalo, Katherine**; Armus, Lee; Benson, Andrew; and 13 co-authors “*Galaxy Evolution Probe*, 2021, Journal of Astronomical Telescope Instrument Systems, [7, 034004](#)
47. Ogle, Patrick; Jarrett, Thomas; Lanz, Lorraine; Cluver, Michelle; **Alatalo, Katherine**; Appleton, Philip N. & Mazzarella, Joseph “*A Break in Spiral Galaxy Scaling Relations at the Upper Limit of Galaxy Mass*”, 2019, the Astrophysical Journal, [884, 11](#)
48. Glenn, Jason; **Alatalo, Katherine**; Amini, Rashied; Armus, Lee; Bally, John and 25 co-authors “*The Galaxy Evolution Probe*, 2019, Bulletin of the American Astronomical Society, [51, 112](#)
49. Aalto, S.; Muller, S.; König, S.; Falstad, N.; Mangum, J.; Sakamoto, K.; Privon, G. C.; Gallagher, J.; Combes, F.; García-Burillo, S.; Martín, S.; Viti, S.; van der Werf, P.; Evans, A. S.; Black, J. H.; Varenus, E.; Beswick, R.; Fuller, G.; Henkel, C.; Kohno, K.; **Alatalo, K.** & Mühle, S. “*The hidden heart of the luminous infrared galaxy IC 860. I. A molecular inflow feeding opaque, extreme nuclear activity*”, 2019, Astronomy & Astrophysics [627, 147](#)
50. Joshi, Bhavin A.; Appleton, Philip N.; Blanc, Guillermo A.; Guillard, Pierre; Rich, Jeffrey; Struck, Curtis; Freeland, Emily E.; Peterson, Bradley W.; Helou, George & **Alatalo, Katherine** “*Evidence for Shock-heated Gas in the Taffy Galaxies and Bridge from Optical Emission-line IFU Spectroscopy*”, 2019, the Astrophysical Journal, [878, 161](#)

51. Appleton, P. N.; Diaz-Santos, T.; Ogle, P.; Togi, A.; Lanz, L.; **Alatalo, K.**; Fischer, C.; Rich, J. & Guillard, P. “*Jet-related Excitation of [C II] Emission in the Active Galaxy NGC 4258 with SOFIA*”, 2018, the Astrophysical Journal, [869, 61](#)
52. Glenn, Jason; Bradford, C. Matt; Amini, Rachied; Moore, Bradley; Benson, Andrew; Armus, Lee; **Alatalo, Katherine**; Darling, Jeremy; and 13 co-authors “*The Galaxy Evolution Probe: a concept for a mid and far-infrared space observatory*, 2018, Proceedings of the SPIE, [10698, 0](#)
53. Nyland, K.; Harwood, J. J.; Mukherjee, D. D.; Jagannathan, P.; Rujopakarn, W.; Emonts, B.; **Alatalo, K.**; Bicknell, G. V.; Davis, T. A.; Greene, J. E.; Kimball, A. and 11 co-authors “*Revolutionizing Our Understanding of AGN Feedback and its Importance to Galaxy Evolution in the Era of the Next Generation Very Large Array*”, 2018, the Astrophysical Journal, [859, 23](#)
54. Peterson, B. W.; Appleton, P. N.; Bitsakis, T.; Guillard, P.; **Alatalo, K.**; Boulanger, F.; Cluver, M.; Duc, P.-A. and 12 co-authors “*Herschel Spectroscopy of the Taffy Galaxies (UGC 12914/12915 = VV 254): Enhanced [C II] emission in the collisionally-formed bridge*”, 2018, the Astrophysical Journal, [855, 141](#)
55. Drout, M. R.; Piro, A. L.; Shappee, B. J.; Kilpatrick, C. D.; Simon, J. D.; Contreras, C.; Coulter, D. A.; Foley, R. J.; Seibert, M. R.; 14 co-authors, **Alatalo, K.**; Bañados, E.; and 19 co-authors “*Light Curves of the Neutron Star Merger GW170817/SSS17a: Implications for the R-Process*”, 2017, Science, [358, 1570](#)
56. Shappee, B. J.; Simon, J. D.; Drout, M. R.; Piro, A. L.; Morrell, N.; Prieto, J. L.; Kasen, D.; 14 co-authors, **Alatalo, K.**; Bañados, E. and 13 co-authors “*The First Spectra of a Gravitational Wave Source: Dramatic Evolution of a Neutron Star Merger*” 2017, Science, [358, 1574](#)
57. Nyland, Kristina; Davis, Timothy A.; Nguyen, Dieu D.; Seth, Anil; Wrobel, Joan M.; Kamble, Atish; Lacy, Mark; **Alatalo, Katherine**; Karovska, Margarita; Maksym, W. Peter; Mukherjee, Dipanjan & Young, Lisa M. “*A Multi-wavelength Study of the Turbulent Central Engine of the Low-mass AGN hosted by NGC 404*” 2017, the Astrophysical Journal, [845, 50](#)
58. Appleton, P. N.; Guillard, P.; Togi, A.; **Alatalo, K.**; Boulanger, F.; Cluver, M.; Pineau des Forêts, G.; Lisenfeld, U.; Ogle, P. & Xu, C. K. “*Powerful H₂ Line Cooling in Stephan’s Quintet II. Group-wide Gas and Shock Modeling of the Warm H₂ and a Comparison with [C II]157.7 μ m Emission and Kinematics*” 2017, the Astrophysical Journal, [836, 76](#)
59. Nyland, Kristina; Young, Lisa M.; Wrobel, Joan M.; Davis, Timothy A.; Bureau, Martin; **Alatalo, Katherine**; Morganti, Raffaella; Duc, Pierre-Alain; de Zeeuw, P.T.; McDermid, Richard; Khochfar, Sadegh & Crocker, Alison “*Star Formation in Nearby Early-Type Galaxies: The Radio Continuum Perspective*” 2017, Monthly Notices of the Royal Astronomical Society, [464, 1029](#)
60. Bitsakis, T.; Dultzin, D.; Ciesla, L.; Díaz-Santos, T.; Appleton, P.; Charmandaris, V.; Krongold, Y.; Guillard, P.; **Alatalo, K.**; Zezas, A. & González, J. “*Studying the evolution of galaxies in compact groups over the past 3 Gyr – II. The importance of environment in the suppression of star formation*” 2016, the Monthly Notices of the Royal Astronomical Society, [459, 975](#)
61. Zucker, Catherine; Johnson, Kelsey; Walker, Lisa May; Gallagher, Sarah; **Alatalo, Katherine** & Tzanavaris, Panayiotis “*Hierarchical Formation in Action: Characterizing Accelerated Galaxy Evolution in Compact Groups Using All-Sky WISE Data*” 2016, the Astrophysical Journal, [821, 113](#)
62. Nyland, Kristina; Young, Lisa M.; Wrobel, Joan M.; Sarzi, Marc; Morganti, Raffaella; **Alatalo, Katherine**; Blitz, Leo; Bournaud, Frédéric; and 17 co-authors “*The ATLAS^{3D} Project – XXXI. Nuclear Radio Emission in Nearby Early-Type Galaxies*”, 2016, Monthly Notices of the Royal Astronomical Society, [458, 2221](#)

63. Appleton, P. N.; Lanz, L.; Bitsakis, T.; Wang, J.; Peterson, B. W.; Lisenfeld, U.; **Alatalo, K.**; Guillard, P.; Boulanger, F. and 5 co-authors “X-ray Emission from the Taffy (VV254) Galaxies and Bridge” 2015, the Astrophysical Journal, [812](#), [118](#)
64. McDermid, Richard M.; **Alatalo, Katherine**; Blitz, Leo; Bournaud, Frédéric; and 19 co-authors “The ATLAS^{3D} Project - XXX. Star formation histories and stellar population scaling relations for early-type galaxies” 2015, Monthly Notices of the Royal Astronomical Society, [448](#), [3484](#)
65. Appleton, P. N.; Mundell, C.; Bitsakis, T.; Lacy, M.; **Alatalo, K.**; Armus, L.; Charmandaris, V.; Duc, P.-A.; Lisenfeld, U. & Ogle, P. “Inhibited Star Formation in the Warm Molecular Disk of the Green-Valley Elliptical Galaxy NGC 3226?” 2014, the Astrophysical Journal, [797](#), [117](#)
66. Duc, Pierre-Alain; Cuillandre, Jean-Charles; Karabal, Emin; Cappellari, Michele; **Alatalo, Katherine**; Bayet, Estelle; Blitz, Leo; Bournaud, Frédéric and 20 co-authors “The ATLAS^{3D} project – XXIX. The new look of early-type galaxies and surrounding fields disclosed by extremely deep optical images.” 2015, Monthly Notices of the Royal Astronomical Society, [446](#), [120](#)
67. McDermid, Richard M.; Cappellari, Michele; **Alatalo, Katherine**; Bayet, Estelle; Blitz, Leo and 20 co-authors “Connection between dynamically derived IMF normalisation and stellar population parameters, 2014, the Astrophysical Journal Letters, [792](#), [L37](#)
68. Lisenfeld, U.; Appleton, P. N.; Cluver, M. E.; Guillard, P.; **Alatalo, K.** & Ogle, P. “CO in Hickson Compact Group galaxies with enhanced warm H₂ emission: Evidence for galaxy evolution?” 2014, Astronomy & Astrophysics, [570](#), [24](#)
69. Bitsakis, T. ; Charmandaris, V.; Appleton, P. N.; Díaz-Santos, T.; Le Floch, E.; da Cunha, E.; **Alatalo, K.** and Cluver, M. “Herschel observations of Hickson compact groups of galaxies: Unveiling the properties of cold dust” 2014, Astronomy & Astrophysics, [565](#), [25](#)
70. Davis, Timothy A.; Young, Lisa M.; Crocker, Alison F.; Bureau, Martin; Blitz, Leo; **Alatalo, Katherine**; Emsellem, Eric; Naab, Thorsten and 17 co-authors “The ATLAS^{3D} project – XXVIII. Dynamically-driven star formation suppression in early-type galaxies, 2014, Monthly Notices of the Royal Astronomical Society, [444](#), [3427](#)
71. Young, L. M.; Scott, N.; Serra, P.; **Alatalo, K.**; Bayet, E.; Blitz, L.; Bois, M.; Bournaud, M.; Bureau, M.; Crocker, A. F. and 15 co-authors “The ATLAS^{3D} project – XXVII. Cold Gas and the Colours and Ages of Early-type Galaxies, 2014, Monthly Notices of the Royal Astronomical Society, [444](#), [3408](#)
72. Serra, Paolo; Oser, Ludwig; Krajnović, Davor; Naab, Thorsten; Oosterloo, Tom; Morganti, Raffaella; Cappellari, Michele; Emsellem, Eric; Young, Lisa M.; Blitz, Leo; Davis, Timothy A.; Duc, Pierre-Alain; Hirschmann, Michaela; Weijmans, Anne-Marie; **Alatalo, Katherine**; Bayet, Estelle and 11-co-authors “The ATLAS^{3D} project - XXVI. HI discs in real and simulated fast and slow rotators, 2014, Monthly Notices of the Royal Astronomical Society, [444](#), [3388](#)
73. Naab, T.; Oser, L.; Emsellem, E.; Cappellari, M.; Krajnović, D.; McDermid, R. M.; **Alatalo, K.**; Bayet, E.; Blitz, L.; Bois, M. and 19 co-authors “The ATLAS^{3D} project - XXV: Two-dimensional kinematic analysis of simulated galaxies and the cosmological origin of fast and slow rotators” 2014, Monthly Notices of the Royal Astronomical Society, [444](#), [3357](#)
74. Weijmans, Anne-Marie.; de Zeeuw, P. T.; Emsellem, Eric; Krajnović, Davor; Lablanche, Pierre-Yves; **Alatalo, Katherine**; Blitz, Leo; Bois, Maxime and 18 co-authors “The ATLAS^{3D} project - XXIV. The intrinsic shape distribution of early-type galaxies” 2014, Monthly Notices of the Royal Astronomical Society, [444](#), [3340](#)

75. Krajnović, Davor; Karick, A. M.; Davies, Roger L.; Naab, Thorsten; Sarzi, Marc; Emsellem, Eric; Cappellari, Michele; Serra, Paolo; de Zeeuw, P. T.; Scott, Nicholas; McDermid, Richard M.; Weijmans, Anne-Marie; Davis, Timothy A.; **Alatalo, Katherine**; and 11 co-authors “*The ATLAS^{3D} project - XXIII. Angular momentum and nuclear surface brightness profiles.*” 2013, Monthly Notices of the Royal Astronomical Society, [433](#), [2812](#)
76. Martig, Marie; Crocker, Alison F.; Bournaud, Frédéric; Gabor, Jared M; **Alatalo, Katherine**; Blitz, Leo; Bois, Maxime and 22 co-authors “*The ATLAS^{3D} project - XXII. Low-efficiency star formation in early-type galaxies: hydrodynamic models and observations.*” 2013, Monthly Notices of the Royal Astronomical Society, [432](#), [1914](#)
77. Scott, Nicholas; Cappellari, Michele; Davies, Roger L.; Kleijn, Gijs Verdoes; Bois, Maxime; **Alatalo, Katherine**; Blitz, Leo; Bournaud, Frédéric and 17 co-authors “*The ATLAS^{3D} project - XXI. Correlations between gradients of local escape velocity and stellar populations in early-type galaxies.*” 2013, Monthly Notices of the Royal Astronomical Society, [432](#), [1894](#)
78. Cappellari, Michele; Scott, Nicholas; **Alatalo, Katherine**; Blitz, Leo and 19 co-authors “*The ATLAS^{3D} project - XX. Mass-size and Mass-sigma projections of the Virial Plane of early-type galaxies: variation of morphology, kinematics, mass-to-light ratio and stellar initial mass function*” 2013, Monthly Notices of the Royal Astronomical Society, [432](#), [1862](#)
79. Sarzi, Marc; **Alatalo, Katherine**; Blitz, Leo; Bois, Maxime; Bournaud, Frédéric and 20 co-authors “*The ATLAS^{3D} project - XIX. The hot gas content of early-type galaxies: fast versus slow rotators.*” 2013, Monthly Notices of the Royal Astronomical Society, [432](#), [1845](#)
80. Krajnović, Davor; **Alatalo, Katherine**; Blitz, Leo; Bois, Maxime; Bournaud, Frédéric and 18 co-authors “*The ATLAS^{3D} project - XVII. Linking photometric and kinematic signatures of stellar discs in early-type galaxies.*” 2013, Monthly Notices of the Royal Astronomical Society, [432](#), [1768](#)
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