

Publications in Refereed Journals

Total papers (published): 25 (23)

Total first author papers (published): 13 (12)

Total citation count (from NASA ADS): 746

Citation index (h-index): 15

25. "The First Billion Years project – III: The impact of stellar radiation on the coevolution of Populations II and III." **Johnson, J. L.**, Dalla Vecchia, C., Khochfar, S., 2012, *Monthly Notices of the Royal Astronomical Society*, to be submitted
24. "The First Planets: the Critical Metallicity for Planet Formation." **Johnson, J. L.**, Li, H., 2012, *The Astrophysical Journal*, in press (arXiv:1203.4817)
23. "The Growth of the Stellar Seeds of Supermassive Black Holes." **Johnson, J. L.**, Whalen, D. J., Fryer, C. L., Li, H., 2012, *The Astrophysical Journal*, 750, 66
22. "Ubiquitous seeding of supermassive black holes by direct collapse." Agarwal, B., Khochfar, S., **Johnson, J. L.**, Neistein, E., Dalla Vecchia, C., Livio, M., 2012, *Monthly Notices of the Royal Astronomical Society*, to be submitted
21. "The long γ -ray burst rate and the correlation with host galaxy properties." Elliott, J., Greiner, J., Khochfar, S., Schady, P., **Johnson, J. L.**, Rau, A., 2012, *Astronomy & Astrophysics*, 539, 113
20. "The Contribution of Supernovae to Cosmic Reionization." **Johnson, J. L.**, Khochfar, S., 2011, *The Astrophysical Journal*, 743, 126
19. "Angular momentum transport by thermal emission in black hole accretion disks." **Johnson, J. L.**, 2011, *Astronomical Notes*, 332, 841
18. "Suppression of accretion onto low-mass Population III stars." **Johnson, J. L.**, Khochfar, S., 2011, *Monthly Notices of the Royal Astronomical Society*, 413, 1184
17. "Accretion onto black holes formed by direct collapse." **Johnson, J. L.**, Khochfar, S., Greif, T. H., Durier, F., 2011, *Monthly Notices of the Royal Astronomical Society*, 410, 919
16. "The interplay between chemical and mechanical feedback from the first generation of stars." Maio, U., Khochfar, S., **Johnson, J. L.**, Ciardi, B., 2011, *Monthly Notices of the Royal Astronomical Society*, 414, 1145
15. "Population III star clusters in the reionized Universe." **Johnson, J. L.**, 2010, *Monthly Notices of the Royal Astronomical Society*, 404, 1425
14. "Supernovae-induced accretion and star formation in the inner kiloparsec of a gaseous disk." Kumar, P., **Johnson, J. L.**, 2010, *Monthly Notices of the Royal Astronomical Society*, 404, 2170
13. "The first galaxies: signatures of the initial starburst." **Johnson, J. L.**, Greif, T. H., Bromm, V., Klessen, R. S., Ippolito, J., 2009, *Monthly Notices of the Royal Astronomical Society*, 399, 37
12. "The minimum stellar metallicity observable in the Galaxy." Frebel, A., **Johnson, J. L.**, Bromm, V., 2009, *Monthly Notices of the Royal Astronomical Society*, 392, L50
11. "The observational signature of the first H II regions." Greif, T. H., **Johnson, J. L.**, Klessen, R. S., Bromm, V., 2009, *Monthly Notices of the Royal Astronomical Society*, 399, 639
10. "Occurrence of Metal-free Galaxies in the Early Universe." **Johnson, J. L.**, Greif, T. H., Bromm, V., 2008, *Monthly Notices of the Royal Astronomical Society*, 388, 26

9. “The first galaxies: assembly, cooling and the onset of turbulence.” Greif, T. H., **Johnson, J. L.**, Klessen R. S., Bromm, V., 2008, *Monthly Notices of the Royal Astronomical Society*, 387, 1021
8. “Uncovering the Chemical Signature of the First Stars in the Universe.” Karlsson, T., **Johnson, J. L.**, Bromm, V., 2008, *The Astrophysical Journal*, 679, 6
7. “Mass fall-back and accretion in the central engine of gamma-ray bursts.” Kumar, P., Narayan, R., **Johnson, J. L.**, 2008, *Monthly Notices of the Royal Astronomical Society*, 388, 1729
6. “Properties of Gamma-ray Burst Progenitor Stars.” Kumar, P., Narayan, R., **Johnson, J. L.**, 2008, *Science*, 321, 376
5. “Local Radiative Feedback in the Formation of the First Protogalaxies.” **Johnson, J. L.**, Greif, T. H., Bromm, V., 2007, *The Astrophysical Journal*, 665, 85
4. “The aftermath of the first stars: massive black holes.” **Johnson, J. L.**, Bromm, V., 2007, *Monthly Notices of the Royal Astronomical Society*, 374, 1557
3. “Probing the formation of the first low-mass stars with stellar archaeology.” Frebel, A., **Johnson, J. L.**, Bromm, V., 2007, *Monthly Notices of the Royal Astronomical Society*, 380, L40
2. “The First Supernova Explosions: Energetics, Feedback, and Chemical Enrichment.” Greif, T. H., **Johnson, J. L.**, Bromm, V., Klessen, R. S., 2007, *The Astrophysical Journal*, 670, 1
1. “The cooling of shock-compressed primordial gas.” **Johnson, J. L.**, Bromm, V., 2006, *Monthly Notices of the Royal Astronomical Society*, 366, 247

Conference Proceedings and Book Chapters

- “Formation of the First Galaxies: Theory and Simulations.” **Johnson, J. L.**, 2011, *The First Galaxies -- Theoretical Predictions and Observational Clues*. Springer/Astrophysics and Space Science Library, eds. Thomas Wiklind, Volker Bromm, Bahram Mobasher (arXiv:1105.5701)
- “Observational Signatures of the First Galaxies.” **Johnson, J. L.**, 2010, *Proceedings of The First Stars and Galaxies: Challenges for the Next Decade*, AIP Conference Series, eds. Dan Whalen, Naoki Yoshida, & Volker Bromm
- “The First Galaxies: Signatures of the Initial Starburst.” **Johnson, J. L.**, Greif, T. H., Bromm, V., Klessen, R. S., Ippolito, J., 2009, *Proceedings of Galaxy Evolution: Emerging Insights and Future Challenges*, ASP Conference Series, eds. Shardha Joglee, Lei Hao, Guillermo Blanc, & Irina Marinova
- “The First Stars.” **Johnson, J. L.**, Greif, T. H., Bromm, V., 2008, *Proceedings of the International Astronomical Union 250: Massive Stars as Cosmic Engines*, eds. F. Bresolin, P. Crowther & J. Puls
- “The formation of the first galaxies and the transition to low-mass star formation.” Greif, T. H., Schleicher, D. R. G., **Johnson, J. L.**, Jappsen, A.-K., Klessen, R. S., Clark, P. C., Glover, S. C. O., Stacy, A., Bromm, V., 2008, *Proceedings of the International Astronomical Union 255: Low-Metallicity Star Formation*, eds. L. Hunt, S. Madden & R. Schneider
- “Open questions in the study of population III star formation.” Glover, S. C. O., Clark, P. C., Greif, T. H., **Johnson, J. L.**, Bromm, V., Klessen, R. S., Stacy, A., 2008, *Proceedings of the International Astronomical Union 255: Low-Metallicity Star Formation*, eds. L. Hunt, S. Madden & R. Schneider

“Radiative Feedback in the Formation of the First Protogalaxies.” **Johnson, J. L.**, Greif, T. H., Bromm, V., 2007, *Proceedings of the Frank N. Bash Symposium*, eds. A. Frebel, J. Maund, J. Shen & M. Siegel

“Towards the First Galaxies.” Greif, T. H., **Johnson, J. L.**, Bromm, V., 2007, *Proceedings of First Stars III*, eds. B. O’Shea, A. Heger & T. Abel

“Visualization of Cosmological Point-Based Datasets.” Navratil, P. A., **Johnson, J. L.**, Bromm, V., 2007, *IEEE Transactions on Visualization and Computer Graphics* (Proceedings of IEEE Visualization 2007), Nov/Dec 2007

“Embers of the Dark Ages: Recombination Radiation from the First Stars.” Wilson, A. C., Bromm, V., **Johnson, J. L.**, 2007, *Proceedings of the Frank N. Bash Symposium*, eds. A. Frebel, J. Maund, J. Shen & M. Siegel