

Jeong-Gyu Kim | List of Publications

Publications

Refereed Publications – ADS Search

8. *Modeling UV Radiative Feedback from Massive Stars: III. Escape of Radiation from Star-Forming Giant Molecular Clouds*
Kim, J.-G., Kim, W.-T., & Ostriker, E. C. 2019, *ApJ* accepted
7. *Modeling UV Radiative Feedback from Massive Stars: II. Dispersal of Star-Forming Giant Molecular Clouds by Photoionization and Radiation Pressure*
Kim, J.-G., Kim, W.-T., & Ostriker, E. C. 2018, *ApJ*, 859, 68
6. *Modeling UV Radiative Feedback from Massive Stars: I. Implementation of Adaptive Ray Tracing Method and Tests*
Kim, J.-G., Kim, W.-T., Ostriker, E. C., & Skinner A. M. 2017, *ApJ*, 851, 93
5. *Disruption of Molecular Clouds by Expansion of Dusty H II Regions*
Kim, J.-G., Kim, W.-T., & Ostriker, E. C. 2016, *ApJ*, 819, 137
4. *Instability of Magnetized Ionization Fronts Surrounding H II regions*
Kim, J.-G., Kim, W.-T. 2014, *ApJ*, 797, 135
3. *Nature of Wiggle Instability of Galactic Spiral Shocks*
Kim, W.-T., Kim, Y., & **Kim, J.-G.** 2014, *ApJ*, 789, 68
2. *Instability of Evaporation Fronts in the Interstellar Medium*
Kim, J.-G., Kim, W.-T. 2013, *ApJ*, 779, 48
1. *Gravitational Instability of Rotating, Pressure-Confined, Polytopic Gas Disks with Vertical Stratification*
Kim, J.-G., Kim, W.-T., Seo Y. M., & Hong, S. S. 2012, *ApJ*, 761, 131

Papers in Preparation

Diffuse Ionized Gas in TIGRESS Simulations of the ISM

Kado-Fong, E., **Kim, J.-G.**, Kim, C.-G., & Ostriker, E. C. 2019, *to be submitted*

Recovery of Cloud-Scale Star Formation Rate Based on Ionizing Luminosity: Calibration for Escape of Radiation

Kim, J.-G. & Ostriker, E. C. 2019, *in prep*

TIGRESS-RT: Implementation New Heating/Cooling Module with Adaptive Ray Tracing

Kim, J.-G., Gong, M., Kim, C.-G., & Ostriker, E. C.