

# Jeong-Gyu Kim | List of Publications

## Publications

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### Refereed Publications.....

(ADS Link)

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.....

*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* 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*

*Diffuse Ionized Gas in TIGRESS Simulations of the ISM*

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