List of Publications
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March 7, 2020

pdf: http://th.nao.ac.jp/MEMBER/tomisaka/Papers/list/list.pdf

Refereed Journal


[64]. Formation of a Keplerian Disk in the Infalling Envelope around L1527 IRS: Rransfor-
mation from Infalling Motions to Kepler Motions, 2014, Dec., Astrophysical J., 796,
131(11pp), by N. Ohashi, K. Saigo, Y. Aso, Y. Aikawa, S. Koyamatsu, M.N. Machida,
M. Saito, S.Z. Takahashi, S. Takakuwa, K. Tomida, K. Tomisaka, and H.-W. Yen, (doi:
10.1088/0004-637X/796/2/131; arXiv:1410.0172)

[63]. ALMA Observations of Infalling Flows toward the Keplerian Disk around the Class I Pro-
N. Ohashi, Y. Aikawa, Y. Aso, S. Koyamatsu, M.N. Machida, K. Saigo, M. Saito, K. To-

[62]. Structure and Mass of Filamentary Isothermal Cloud Threaded by Lateral Magnetic
637X/785/1/24; arXiv:1402.3033)

[61]. Radiation Magnetohydrodynamic Simulations of Protostellar Collapse: Protostellar Core
Formation, 2013, Jan., Astrophysical Journal, 763, 6 (29pp), by K. Tomida, K. Tomisaka,
T. Matsumoto, Y. Hori, S. Okuzumi, M.N. Machida, and K. Saigo (doi:10.1088/0004-
637X/763/1/6; arXiv:1206.3567)

[60]. Exploring Magnetic Field Structure in Star-Forming Cores with Polarization of Ther-

[59]. Chemistry in the First Hydrostatic Core Stage by Adapting Three-Dimensional Radiation
K. Furuya, Y. Aikawa, K. Tomida, T. Matsumoto, K. Saigo, K. Tomisaka, F. Hersant,

[58]. Magnetic Field in the Isolated Massive Dense Clump IRAS 20126+4104, 2012, May,
M. N. Machida, A. Kataoka, K. Tomisaka, J. Davidson, T. G. Phillips,C. D. Dowell,

E. Kokubo, H. Daisaka, T. Okamoto, and N. Yoshida (doi:10.1088/0004-637X/746/1/26)

[56]. Observational Identification of First Cores: Non-LTE Radiative Transfer Simulation,

[55]. Spectrum Energy Distribution and Submillimeter Image of a Rotating First Core, 2011,
637X/728/2/78)

[54]. Origin of Molecular Outflow Determined from Thermal Dust Polarization, 2011, Feb.,
63, 715–715)


Volume Editor


Proceedings, etc


[34]. Fragmentation and Evolution of the First Core, in the 2nd East-Asia Numerical Astrophysics Meeting, held November 1-3, 2006, at Korea Astronomy and Space Science Institute in Daejeon, Korea, by K. Tomisaka and K. Saigo.


[27]. Alignment of Outflow, Magnetic Field, Disk, and Rotation in Protostellar Collapse, in “East Asia Numerical Astrophysics Meeting” (Nov. 30 – Dec. 2, 2004; Mitaka, Japan) by T. Matsumoto and K. Tomisaka. *


As of March 7, 2020, I have published 94 refereed papers, and 41 proceeding papers. In addition, I have edited 5 books.

* represents no proceedings.