

Mika Juvela: Publications 12.1.2017

Publications in international refereed journals

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7. Padoan P., **Juvela M.**, Bally J., Nordlund Å 1998, "Synthetic Molecular Clouds from Supersonic Magnetohydrodynamic and Non-LTE Radiative Transfer Calculations", ApJ 504, 300-313
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15. Kiss Cs., Abraham P., Klaas U., **Juvela M.**, Lemke D. 2001, "Sky Confusion Noise in the Far-Infrared: Cirrus, Galaxies and the Cosmic Far-Infrared Background", A&A 379, 1161-1169
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18. Hotzel S., Harju J., **Juvela M.**, Mattila K., Haikala L.K., 2002, " $C^{18}O$ abundance in the nearby globule B68", A&A 391, 275-285
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21. Gahm G., Lehtinen K., Carlqvist P., Harju J., **Juvela M.**, Mattila K. 2002, "The threaded molecular clumps of Chamaeleon III", A&A 389, 577
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26. Wilson C.D., ..., **Juvela M.**, et al. 2003, "Submillimeter emission from water in the W3 region", A&A Letters 402, 59

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47. Kainulainen J., **Juvela M.**, Alves J., 2007, "Determination of the mass function of extra-galactic GMCs via NIR color maps", A&A 468, 581
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- A computer animation created for a television program on the history of radio astronomy, Hungarian television, 2010
- Other computer visualisations prepared as part of outreach pages (<http://www.helsinki.fi/~mjuvela>, wiki.helsinki.fi/display/PlanckHerschel)

Public computer programs

- Cppsimu, a code for non-LTE line radiative transfer on 1, 2, and 3 dimensional grids <http://wiki.helsinki.fi/display/~mjuvela@helsinki.fi/Cppsimu> (Juvela 1997)
- CRT, a code for the modelling of dust continuum emission on 1, 2, and 3 dimensional grids <http://wiki.helsinki.fi/display/~mjuvela@helsinki.fi/CRT> (Juvela & Padoan 2003; Juvela 2005)
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