

Related Papers:

- "Precise Observations of the $^{12}\text{C}/^{13}\text{C}$ Ratios of HC_3N in the Low-mass Star-forming Region L1527"
Mitsunori Araki, Shuro Takano, Nami Sakai, Satoshi Yamamoto, Takahiro Oyama, Nobuhiko Kuze, and Koichi Tsukiyama
2016, ApJ, 833, 291
- "Abundance Anomaly of the ^{13}C Isotopic Species of $c\text{-C}_3\text{H}_2$ in the Low-Mass Star Formation Region L1527"
Kento Yoshida, Nami Sakai, Tomoya Tokudome, Ana Lopez-Sepulcre, Yoshimasa Watanabe, Shuro Takano, Bertrand Lefloch, Cecilia Ceccarelli, Rafael Bachiller, Emmanuel Caux, Charlotte Vastel, and Satoshi Yamamoto
2015, ApJ, 807, 66
- "Warm Carbon-Chain Chemistry"
Nami Sakai and Satoshi Yamamoto
2013, Chemical Reviews, 113, 8981
- "Abundance Anomaly of the ^{13}C Species of CCH"
Nami Sakai, Osamu Saruwatari, Shuro Takano, and Satoshi Yamamoto
2010, A&A, 512, A31
(Marginal anomaly is used to propose the careful observations with higher signal to noise ratio. $J=1/2-1/2$, $F_1=1-1$, $F=3/2-3/2$ line of CCH is directly used to confirm the velocity shift.)
- "Discovery of the Second Warm Carbon-Chain Chemistry Source, IRAS15398-3359 in Lupus"
Nami Sakai, Takeshi Sakai, Tomoya Hirota, Michael Burton, and Satoshi Yamamoto
2009, ApJ, 697, 769
(L1527 data is used to be compared)
- "Detection of HCO_2^+ toward the Low-Mass Protostar IRAS04368+2557 in L1527"
Nami Sakai, Takeshi Sakai, Yuri Aikawa, and Satoshi Yamamoto
2008, ApJ, 675, L89
(Marginal detections are used to propose more sensitive observations.)
- "Abundant Carbon-Chain Molecules toward the Low-Mass Protostar IRAS04368+2557 in 1527"
Nami Sakai, Takeshi Sakai, Tomoya Hirota, and Satoshi Yamamoto
2008, ApJ, 672, 371
- "Detection of C_6H^+ toward Low-Mass Protostar IRAS04368+2557 in L1527"
Nami Sakai, Takeshi Sakai, Yoshihiro Osamura, and Satoshi Yamamoto
2007, ApJ, 667, L65
(Upper limit of C_4H^+ is used)