Patricio Sanhueza

Publication List

April 13, 2025

Total number of refereed publications: **167**
Total number of citations: **5,370**
h-index: **36**
1st-author refereed publications: **7 (4 over 100 citations)**
2nd-author refereed publications: **27 (9 student papers)**
Link to ADS for PI papers here. Link to ADS for all papers here.

1st-author Refereed Publications (Citations: 774)

7. Magnetic Fields in Massive Star-forming Regions (MagMaR). V. The Magnetic Field at the Onset of High-mass Star Formation
Patricio Sanhueza, Junhao Liu, Kaho Morii, Josep Miquel Girart, Qizhou Zhang, Ian W. Stephens, James M. Jackson, Paulo C. Cortes, Patrick M. Koch, Claudia J. Cyganowski, Piyali Saha, Henrik Beuther, Suinan Zhang, Maria T. Beltran, Yu Cheng, Fernando A. Olguin, Xing Lu, Spandan Choudhury, Kate Pattle, Manuel Fernandez-Lopez, Jihye Hwang, Ji-hyun Kang, Janik Karoly, Adam Ginsburg, A. -Ran Lyo, Kotomi Taniguchi, Wenyu Jiao, Chakali Eswaraiah, Qiu-yi Luo, Jia-Wei Wang, Benoit Commercon, Shanghuo Li, Fengwei Xu, Huei-Ru Vivien Chen, Luis A. Zapata, Eun Jung Chung, Fumitaka Nakamura, Sandhyarani Panigrahy, & Takeshi Sakai, 2024, ApJ, in press. **(0 citations)**

6. Gravity-driven Magnetic Field at ∼1000 au Scales in High-mass Star Formation
Patricio Sanhueza, Josep Miquel Girart, Marco Padovani, Daniele Galli, Charles L. H. Hull, Qizhou Zhang, Paulo Cortes, Ian W. Stephens, Manuel Fernandez-Lopez, James M. Jackson, Pau Frau, Patrick M. Koch, Benjamin Wu, Luis A. Zapata, Fernando Olguin, Xing Lu, Andrea Silva, Ya-Wen Tang, Takeshi Sakai, Andres E. Guzman, Ken'ichi Tatematsu, Fumitaka Nakamura, & Huei-Ru Vivien Chen, 2021, ApJL, 915, L10 **(72 citations)**

5. Alma Survey of 70 μm dark High-mass clumps in Early Stages (ASHES). I Pilot Survey: Clump Fragmentation
Patricio Sanhueza, Yanett Contreras, Benjamin Wu, James M. Jackson, Andres E. Guzmán, Qizhou Zhang, Shanghuo Li, Xing Lu, Andrea Silva, Natsuko Izumi, Tie Liu, Rie Miura, Ken'ichi Tatematsu, Takeshi Sakai, Henrik Beuther, Guido Garay, Satoshi Ohashi, Masao Saito, Fumitaka Nakamura, Kazuya Saigo, V. S. Veena, Quang Nguyen-Luong, & Daniel Tafoya, 2019, ApJ, 886, 102 **(181 citations) DOI: 10.3847/1538-4357/ab45e9**

4. A Massive Prestellar Clump Hosting no High-Mass Cores
Patricio Sanhueza, James M. Jackson, Qizhou Zhang, Andrés E. Guzmán, Xing Lu, Ian W. Sthepens, Ke Wang & Ken'ichi Tatematsu, 2017, ApJ, 841, 97 **(133 citations) DOI: 10.3847/1538-4357/aa6ff8**

3. Distinct Chemical Regions in the "Prestellar" Infrared Dark Cloud G028.23–00.19
Patricio Sanhueza, James M. Jackson, Jonathan B. Foster, Izaskun Jimenez-Serra, William Dirienzo, & Thushara Pillai, 2013, ApJ, 773, 123 **(100 citations)**

2. Chemistry in Infrared Dark Cloud Clumps: A Molecular Line Survey at 3 mm
Patricio Sanhueza, James M. Jackson, Jonathan B. Foster, Guido Garay, Andrea Silva, & Susanna Finn, 2012, ApJ, 756, 60 **(216 citations) DOI: 10.1088/0004-637X/756/1/60**

1. Molecular Outflows Within the Filamentary Infrared Dark Cloud G34.43+0.24
Patricio Sanhueza, Guido Garay, Leonardo Bronfman, Diego Mardones, Jorge May, & Masao Saito, 2010, ApJ, 715, 18 **(72 citations)**

2nd-author Refereed Publications (Citations: 734)

27. Global and Local Infall in the ASHES Sample (GLASHES). I. Pilot Study in G337.541
Kaho Morii, **Patricio Sanhueza**, Timea Csengeri, Fumitaka Nakamura, Sylvain Bontemps, Guido Garay, & Qizhou Zhang, 2024, ApJ, in press. **(0 citations)**

26. Digging into the Interior of Hot Cores with ALMA (DIHCA). IV. Fragmentation in High-mass Star-Forming Clumps
Kosuke Ishihara, **Patricio Sanhueza**, Fumitaka Nakamura, Masao Saito, Huei-Ru V. Chen, Shanghuo Li, Fernando Olguin, Kotomi Taniguchi, Kaho Morii, Xing Lu, Qiuyi Luo, Takeshi Sakai, & Qizhou Zhang, 2024, ApJ, 974, 95 **(8 citations)**

25. ALMA-IMF XV. Core Mass Function in the High-mass Star-formation Regime
F. Louvet, **P. Sanhueza**, A. Stutz, A. Men'shchikov, F. Motte, R. Galvan-Madrid, S. Bontemps, Y. Pouteau, A. Ginsburg, T. Csengeri, J. Di Francesco, P. Dell'Ova, M. Gonzalez, P. Didelon, J. Braine, N. Cunningham, B. Thomasson, P. Lesaffre, P. Hennebelle, M. Bonfand, A. Gusdorf, R. H. Alverez-Gutierrez, T. Nony, G. Busquet, F. Olguin, L. Bronfman, J. Salinas, M. Fernandez-Lopez, E. Moraux, H.L. Liu, X. Lu, V. Huei-Ru, A. Towner, M. Valeille-Manet, N. Brouillet, F. Herpin, B. Lefloch, T. Baug, L. Maud, A. Lopez-Sepulcre, & B. Svodoba, 2024, A&A, 690, A33 **(11 citations)**

24. Magnetic Fields in Massive Star-forming Regions (MagMaR): Unveiling an Hourglass Magnetic Field in G333.46–0.16 using ALMA
Piyali Saha, **Patricio Sanhueza**, Marco Padovani, Josep M. Girart, Paulo Cortes, Kaho Morii, Junhao Liu, A. Sanchez-Monge, Daniele Galli, Shantanu Basu, Patrick M. Koch, Maria T. Beltran, Shanghuo Li, Henrik Beuther, Ian W. Stephens, Fumitaka Nakamura, Qizhou Zhang, Wenyu Jiao, M. Fernandez-Lopez, Jihye Hwang, Eun Jung Chung, Kate Pattle, Luis A. Zapata, Fengwei Xu, Fernando A. Olguin, Ji-hyun Kang, Janik Karoly, Chi-Yan Law, Jia-Wei Wang, Timea Csengeri, Xing Lu, Yu Cheng, Jongsoo Kim, Spandan Choudhury, Huei-Ru Vivien Chen, & Charles L. H. Hull, 2024, ApJL, 972, L6 **(3 citations)**

23. The ALMA Survey of 70 μm Dark High-mass Clumps in Early Stages (ASHES). XI: Statistical Study of Early Fragmentation
Kaho Morii, **Patricio Sanhueza**, Qizhou Zhang, Fumitaka Nakamura, Shanghuo Li, Giovanni Sabatini, Fernando A. Olguin, Henrik Beuther, Daniel Tafoya, Natsuko Izumi, Ken'ichi Tatematsu & Takeshi Sakai, 2024, ApJ, 966, 171 **(14 citations)**

22. Observations of high-order multiplicity in a high-mass stellar protocluster
Shanghuo Li, **Patricio Sanhueza**, Henrik Beuther, Huei-Ru Vivien Chen, Rolf Kuiper, Fernando A. Olguin, Ralph E. Pudritz, Ian W. Stephens, Qizhou Zhang, Fumitaka Nakamura, Xing Lu, Rajika L. Kuruwita, Takeshi Sakai, Thomas Henning, Kotomi Taniguchi, & Fei Li, 2024, Nature Astronomy, 8, 472 **(14 citations)**

21. The ALMA Survey of 70 μm Dark High-mass Clumps in Early Stages (ASHES). X: Hot Gas Reveals Deeply Embedded Star Formation
Natsuko Izumi, **Patricio Sanhueza**, Patrick M. Koch, Xing Lu, Shanghuo Li, Giovanni Sabatini, Fernando A. Olguin, Qizhou Zhang, Fumitaka Nakamura, Ken'ichi Tatematsu, Kaho Morii, Takeshi Sakai, & Daniel Tafoya, 2024, ApJ, 963, 163 **(13 citations)**

20. Digging into the Interior of Hot Cores with ALMA: Spiral Accretion into the High-mass Protostellar Core G336.01-0.82
Fernando Olguin, **Patricio Sanhueza**, Huei-Ru Vivien Chen, Xing Lu, Yoko Oya, Qizhou Zhang, Adam Ginsburg, Kotomi Taniguchi, Shanghuo Li, Kaho Morii, Takeshi Sakai, & Fumitaka Nakamura, 2023, ApJL, 959, L31 **(15 citations)**

19. The ALMA Survey of 70 μm Dark High-mass Clumps in Early Stages (ASHES). IX. Physical Properties and Spatial Distribution of Cores in IRDCs

Kaho Morii, **Patricio Sanhueza**, Fumitaka Nakamura, Qizhou Zhang, Giovanni Sabatini, Henrik Beuther, Xing Lu, Shanghuo Li, Guido Garay, James M. Jackson, Fernando A. Olguin, Daniel Tafoya, Ken'ichi Tatematsu, Natsuko Izumi, Takeshi Sakai, & Andrea Silva, 2023, ApJ, 950, 148 **(39 citations)**

18. Digging into the Interior of Hot Cores with ALMA (DIHCA). III: The Chemical Link between NH_2CHO, HNCO, and H_2CO
Kotomi Taniguchi, **Patricio Sanhueza**, Fernando A. Olguin, Prasanta Gorai, Ankan Das, Fumitaka Nakamura, Masao Saito, Qizhou Zhang, Xing Lu, Shanghuo Li, & Huei-Ru Vivien Chen, 2023, ApJ, 950, 57 **(19 citations)**

17. The ALMA Survey of 70 μm Dark High-mass Clumps in Early Stages (ASHES). VIII. Dynamics of Embedded Dense Cores
Shanghuo Li, **Patricio Sanhueza**, Qizhou Zhang, Garay, Guido, Giovanni Sabatini, Kaho Morii, Xing Lu, Daniel Tafoya, Fumitaka Nakamura, Natsuko Izumi, Ken'ichi Tatematsu, & Fei Li, 2023, ApJ, 949, 109 **(32 citations)**

16. The ALMA Survey of 70 μm Dark High-mass Clumps in Early Stages (ASHES). VII: Chemistry of Embedded Dense Cores
Shanghuo Li, **Patricio Sanhueza**, Xing Lu, Chang Won Lee, Qizhou Zhang, Stefano Bovino, Giovanni Sabatini, Tie Liu, Kee-Tae Kim, Kaho Morii, Daniel Tafoya, Ken'ichi Tatematsu, Takeshi Sakai, Junzhi Wang, Fei Li, Andrea Silva, Natsuko Izumi, & David Allingham, 2022, ApJ, 939, 102 **(15 citations)**

15. Digging into the Interior of Hot Cores with ALMA (DIHCA). II. Exploring the Inner Binary (Multiple) System Embedded in G335 MM1 ALMA1
Fernando A. Olguin, **Patricio Sanhueza**, Adam Ginsburg, Huei-Ru Vivien Chen, Qizhou Zhang, Shanghuo Li, Xing Lu, & Takeshi Sakai, 2022, ApJ, 929, 68 **(20 citations)**

14. ALMA observations of NGC 6334S. II. Subsonic and Transonic Narrow Filaments in a High-mass Star Formation Cloud
Shanghuo Li, **Patricio Sanhueza**, Chang Won Lee, Qizhou Zhang, Henrik Beuther, Aina Palau, Hong-Li Liu, Howard Smith, Hauyu Baobab Liu, Izaskun Jimenez-Serra, Kee-Tae Kim, Siyi Feng, Tie Liu, Junzhi Wang, Di Li, Keping Qiu, Xing Lu, Josep Miquel. Girart, Ke Wang, Fei Li, Juan Li, Yue Cao, Shinyoung Kim, & Shaye Strom, 2022, ApJ, 926, 165 **(37 citations)**

13. The ALMA Survey of 70 μm Dark High-mass Clumps in Early Stages (ASHES). V. Deuterated Molecules in the 70 μm dark IRDC G14.492-00.139
Takeshi Sakai, **Patricio Sanhueza**, Kenji Furuya, Ken'ichi Tatematsu, Shanghuo Li, Yuri Aikawa, Xing Lu, Qizhou Zhang, Kaho Morii, Fumitaka Nakamura, Hideaki Takemura, Natsuko Izumi, Tomoya Hirota, Andrea Silva, Andres E. Guzman, Nami Sakai, & Satoshi Yamamoto, 2022, ApJ, 925, 144 **(15 citations)**

12. Magnetic Fields in Massive Star-Forming Regions (MagMaR). II. Tomography Through Dust and Molecular Line Polarization in NGC 6334I(N)
Paulo C. Cortes, **Patricio Sanhueza**, Martin Houde, Sergio Martin, Charles L. H. Hull, Josep M. Girart, Qizhou Zhang, Manuel Fernandez-Lopez, Luis A. Zapata, Ian W. Stephens, Hua-bai Li, Benjamin Wu, Fernando Olguin, Xing Lu, Andres E. Guzman, & Fumitaka Nakamura, 2021, ApJ, 923, 204 **(25 citations)**

11. The ALMA Survey of 70 μm Dark High-mass Clumps in Early Stages (ASHES). IV. Star formation signatures in G023.477
Kaho Morii, **Patricio Sanhueza**, Fumitaka Nakamura, James M. Jackson, Shanghuo Li, Henrik Beuther, Qizhou Zhang, Siyi Feng, Daniel Tafoya, Andres E. Guzman, Natsuko Izumi, Takeshi Sakai, Xing Lu, Ken'ichi Tatematsu, Satoshi Ohashi, Andrea Silva, Fernando A. Olguin, & Yanett Contreras, 2021, ApJ, 923, 147 **(30 citations)**

10. The ALMA Survey of 70μm Dark High-mass Clumps in Early Stages (ASHES). III. A Young Molecular Outflow Driven by a Decelerating Jet
Daniel Tafoya, **Patricio Sanhueza**, Qizhou Zhang, Shanghuo Li, Andres E. Guzmán, Andrea Silva, Eduardo de la Fuente, Xing Lu, Kaho Morii, Ken'ichi Tatematsu, Yanett Contreras, Natsuko Izumi, James M. Jackson, Fumitaka Nakamura, and Takeshi Sakai, 2021, ApJ, 913, 131 **(16 citations)**

9. Magnetic Fields in Massive Star-Forming Regions (MagMaR). I. Linear Polarized Imaging of the UCHII Region G5.89-0.39
M. Fernandez-López , **P. Sanhueza**, L. A. Zapata, I. Stephens, C. Hull, Q. Zhang, J. M. Girart, P. M. Koch, P. Cortes, A. Silva, K. Tatematsu, F. Nakamura, A. E. Guzman, Q. Nguyen Luong, E. Guzman Ccolque, Y.-W. Tang, and V. Chen, 2021, ApJ, 913, 29 **(28 citations)**

8. Digging into the Interior of Hot Cores with ALMA (DIHCA). I. Dissecting the High-mass Star-forming Core G335.579-0.292 MM1
Fernando A. Olguin, **Patricio Sanhueza**, Andres E. Guzman, Xing Lu, Kazuya Saigo, Qizhou Zhang, Andrea Silva, Huei-Ru Vivien Chen, Shanghuo Li, Satoshi Ohashi, Fumitaka Nakamura, Takeshi Sakai, and Benjamin Wu, 2021, ApJ, 909, 199 **(27 citations)**

7. A Photoionized Accretion Disk around a Young High-mass Star
Andrés E. Guzmán, **Patricio Sanhueza**, Luis Zapata, Guido Garay, and Luis Felipe Rodríguez, 2020, ApJ, 904, 77 **(12 citations)**

6. The ALMA Survey of 70 μm Dark High-mass Clumps in Early Stages (ASHES). II Molecular Outflows in the Extreme Early Stages of Protocluster Formation
Shanghuo Li, **Patricio Sanhueza**, Qizhou Zhang, Fumitaka Nakamura, Xing Lu, Junzhi Wang, Tie Liu, Ken'ichi Tatematsu, James M. Jackson, Andrea Silva, Andres E. Guzman, Takeshi Sakai, Natsuko Izumi, Daniel Tafoya, Fei Li, Yanett Contreras, Kaho Morii, & Kee-Tae Kim, 2020, ApJ, 903, 119 **(46 citations)**

5. Chemistry of the Protostellar Clumps in the High-mass Star-forming Filamentary IRDC G034.43+00.24
H.-L. Liu, **Patricio Sanhueza**, Tie Liu, A. Zavagno, X.-D. Tang, Y. Wu, & S. Zhang, 2020, ApJ, 901, 31 **(26 citations)**

4. Infall Signatures in a Prestellar Core Embedded in the High-Mass 70 μm Dark IRDC G331.372-00.116
Yanett Contreras, **Patricio Sanhueza**, James M. Jackson, Andres E. Guzman, Steven Longmore, Guido Garay, Qizhou Zhang, Quang Nguyen-Lu'o'ng, Ken'ichi Tatematsu, Fumitaka Nakamura, Takeshi Sakai, Satoshi Ohashi, Tie Liu, Masao Saito, Laura Gomez, Jill Rathborne, & Scott Whitaker, 2018, ApJ, 861, 14 **(70 citations)**

3. Gravitationally Unstable Condensations Revealed by ALMA in the TUKH122 Prestellar Core in the Orion A Cloud
Satoshi Ohashi, **Patricio Sanhueza**, Nami Sakai, Ryo Kandori, Minho Choi, Tomoya Hirota, Quang Nguyen-Lu'o'ng, & Ken'ichi Tatematsu, 2018, ApJ, 856, 147 **(27 citations)**

2. Dense Core Properties in the Infrared Dark Cloud G14.225–0.506 Revealed by ALMA
Satoshi Ohashi, **Patricio Sanhueza**, Huei-Ru Vivien Chen, Qizhou Zhang, Gemma Busquet, Fumitaka Nakamura, Aina Palau, & Ken'ichi Tatematsu, 2016, ApJ, 833, 209 **(70 citations)**

1. Far-infrared Dust Temperatures and Column Densities of the MALT90 Molecular Clump Sample
Andrés E. Guzmán, **Patricio Sanhueza**, Yanett Contreras, Howard A. Smith, James M. Jackson, Sadia Hoq, & Jill M. Rathborne, 2015, ApJ, 815, 130 **(102 citations)**

Other Co-author Refereed Publications (Citations: 3,862)

133. The ALMA-ATOMS survey: A sample of weak hot core candidates identified through line stacking
Zi-Yang Li, Xunchuan Liu, Tie Liu, Sheng-Li Qin, Paul F. Goldsmith, Pablo García, Yaping Peng, Li Chen, Yunfan Jiao, Zhiping Kou, Chuanshou Li, Jiahang Zou, Mengyao Tang, Shanghuo Li, Meizhu Liu, Guido Garay, Fengwei Xu, Wenyu Jiao, Qiu-Yi Luo, Suinan Zhang, Qi-Lao Gu, Xiaofeng Mai, Yan-Kun Zhang, Jixiang Weng, Chang Won Lee, **Patricio Sanhueza**, Sami Dib, Swagat R. Das, Xindi Tang, Leonardo Bronfman, Prasanta Gorai, Ken'ichi Tatematsu, Hong-Li Liu, Dongting Yang, Zhenying Zhang, & Xianjin Shen, 2025, A&A, in press. **(0 citations)**

132. ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions - XXI. A large-sample observational study of ethanol and dimethyl ether in hot cores
Zhiping Kou, Xiaohu Li, Sheng-Li Qin, Tie Liu, E. Mannfors, Xindi Tang, Prasanta Gorai, Guido Garay, Swagat R. Das, Pablo García, Leonardo Bronfman, M. Juvela, Li Chen, Xunchuan Liu, **Patricio Sanhueza**, Yaping Peng, Long-Fei Chen, Jiahang Zou, Dongting Yang, L. Viktor Tóth, Lokesh Dewangan, Hong-Li Liu, James O. Chibueze, & Ziyang Li, 2025, MNRAS, 538, 4, 2579. **(0 citations)**

131. ALMA-IMF: XVII. Census and lifetime of high-mass prestellar cores in 14 massive protoclusters
M. Valeille-Manet, S. Bontemps, T. Csengeri, T. Nony, F. Motte, A. M. Stutz, A. Gusdorf, A. Ginsburg, R. Galván-Madrid, **P. Sanhueza**, M. Bonfand, N. Brouillet, P. Dell'Ova, F. Louvet, N. Cunningham, M. Fernández-López, F. Herpin, F. Wyrowski, R. H. Álvarez-Gutiérrez, M. Armante, A. E. Guzmán, N. Kessler, A. Koley, J. Salinas, T. Yoo, L. Bronfman, & N. Le Nestour, 2025, A&A, 696, A11. **(0 citations)**

130. ALMAGAL III. Compact source catalog: Fragmentation statistics and physical evolution of the core population
A. Coletta, S. Molinari, E. Schisano, A. Traficante, D. Elia, M. Benedettini, C. Mininni, J.D. Soler, Á. Sánchez-Monge, P. Schilke, C. Battersby, G.A. Fuller, H. Beuther, Q. Zhang, M.T. Beltrán, B. Jones, R.S. Klessen, S. Walch, F. Fontani, A. Avison, C.L. Brogan, S.D. Clarke, P. Hatchfield, P. Hennebelle, P.T. Ho, T.R. Hunter, K.G. Johnston, P.D. Klaassen, P.M. Koch, R. Kuiper, D.C. Lis, T. Liu, S.L. Lumsden, Y. Maruccia, T. Möller, L. Moscadelli, A. Nucara, A.J. Rigby, K.L.J. Rygl, **P. Sanhueza**, F. van der Tak, M.R.A. Wells, F. Wyrowski, F. De Angelis, S. Liu, A. Ahmadi, L. Bronfman, S.-Y. Liu, Y.-N. Su, Y. Tang, L. Testi, & H. Zinnecker, 2025, A&A, in press. **(0 citations)**

129. ALMAGAL II. The ALMA evolutionary study of high-mass protocluster formation in the Galaxy. ALMA data processing and pipeline
Á. Sánchez-Monge, C.L. Brogan, T.R. Hunter, A. Ahmadi, A. Avison, M.T. Beltrán, H. Beuther, A. Coletta, G.A. Fuller, K.G. Johnston, B. Jones, S.-Y. Liu, C. Mininni, S. Molinari, P. Schilke, E. Schisano, Y.-N. Su, A. Traficante, Q. Zhang, C. Battersby, M. Benedettini, D. Elia, P.T.P. Ho, P.D. Klaassen, R.S. Klessen, C.Y. Law, D.C. Lis, T. Liu, L. Maud, T. Möller, L. Moscadelli, S. Pezzuto, K.L.J. Rygl, **P. Sanhueza**, J.D. Soler, G. Stroud, Y. Tang, F.F.S. van der Tak, D.L. Walker, J. Wallace, S. Walch, M.R.A. Wells, F. Wyrowski, T. Zhang, J. Allande, L. Bronfman, E. Dann, F. De Angelis, F. Fontani, Th. Henning, W.-J. Kim, R. Kuiper, M. Merello, F. Nakamura, A. Nucara, & A.J. Rigby, 2025, A&A, in press. **(0 citations)**

128. ALMAGAL I. The ALMA evolutionary study of high-mass protocluster formation in the Galaxy. Presentation of the survey and early results
S. Molinari, P. Schilke, C. Battersby, P.T.P. Ho, A. Sanchez-Monge, A. Traficante, B. Jones, M.T. Beltran, H. Beuther, G.A. Fuller, Q. Zhang, R.S. Klessen, S. Walch, Y.-W. Tang, M. Benedettini, D. Elia, A. Coletta, C. Mininni, E. Schisano, A. Avison, C.Y. Law, A. Nucara, J.D. Soler, G. Stroud, J. Wallace, M.R.A. Wells, A. Ahmadi, C.L. Brogan, T.R. Hunter, S.-Y. Liu, S. Pezzuto, Y.-N. Su, B. Zimmermann, T. Zhang, F. Wyrowski, F. De Angelis, S. Liu, S.D. Clarke,

F. Fontani, P.D. Klaassen, P. Koch, K.G. Johnston, U. Lebreuilly, T. Liu, S.L. Lumsden, T. Moeller, L. Moscadelli, R. Kuiper, D. Lis, N. Peretto, S. Pfalzner, A.J. Rigby, **P. Sanhueza**, K.L.J. Rygl, F. van der Tak, H. Zinnecker, F. Amaral, J. Bally, L. Bronfman, R. Cesaroni, K. Goh, M.G. Hoare, P. Hatchfield, P. Hennebelle, T. Henning, K.T. Kim, W.-J. Kim, L. Maud, M. Merello, F. Nakamura, R. Plume, S.-L. Qin, B. Svoboda, L. Testi, V.S. Veena, & D. Walker, 2025, A&A, in press. **(0 citations)**

127. Digging into the Interior of Hot Cores with ALMA (DIHCA). V. Deuterium Fractionation of Methanol
Takeshi Sakai, Nobuhito Shiomura, **Patricio Sanhueza**, Kenji Furuya, Fernando A. Olguin, Ken'ichi Tatematsu, Yuri Aikawa, Kotomi Taniguchi, Huei-Ru Vivien Chen, Kaho Morii, Fumitaka Nakamura, Shanghuo Li, Xing Lu, Qizhou Zhang, Tomoya Hirota, Kousuke Ishihara, Hongda Ke, Nami Sakai, & Satoshi Yamamoto, 2025, ApJ, in press. **(0 citations)**

126. ATOMS: ALMA Three-millimeter Observations of massive Star-forming regions - XX. Probability distribution function of integrated intensity for dense molecular gas tracers
C.Zhang, Tie Liu, Sihan Jiao, Feng-Yao Zhu, Z.-Y. Ren, H.-L. Liu, Ke Wang, J.-W. Wu, D. Li, P. García, Guido Garay, Leonardo Bronfman, Mika Juvela, Swagat das, Chang Won Lee, Feng-Wei Xu, L. V. Tóth, Prasanta Gorai, & **Patricio Sanhueza**, 2025, MNRAS, 538, 1, 1 **(0 citations)**

125. Turbulent fragmentation as the primary driver of core formation in Polaris Flare and Lupus I
Kousuke Ishihara, Fumitaka Nakamura, **Patricio Sanhueza**, & Masao Saito, 2025, A&A, 695, L25. **(0 citations)**

124. Hierarchical accretion flow from the G351 infrared dark filament to its central cores
H. Beuther, F.A. Olguin, **P. Sanhueza**, N. Cunningham, & A. Ginsburg, 2025, A&A, 695, A51. **(0 citations)**

123. The ALMA-ATOMS survey: Vibrationally excited HC_3N lines in hot cores
Li Chen, Sheng-Li Qin, Tie Liu, Paul F. Goldsmith, Xunchuan Liu, Yaping Peng, Xindi Tang, Guido Garay, Zhiping Kou, Mengyao Tang, **Patricio Sanhueza**, Ziyang Li, Prasanta Gorai, Swagat R. Das, Leonardo Bronfman, Lokesh Dewangan, Pablo García, Shanghuo Li, Chang Won Lee, Hong-Li Liu, L. Viktor Tóth, James O. Chibueze, Jihye Hwang, Xiaohu Li, Fengwei Xu, Jiahang Zou, Wenyu Jiao, Zhenying Zhang, Yong Zhang, 2024, A&A, 694, A166. **(0 citations)**

122. ALMA-IMF XVI: Mass-averaged temperature of cores and protostellar luminosities in the ALMA-IMF protoclusters
F. Motte, Y. Pouteau, T. Nony, P. Dell'Ova, A. Gusdorf, N. Brouillet, A. M. Stutz, S. Bontemps, A. Ginsburg, T. Csengeri, A. Men'shchikov, M. Valeille-Manet, F. Louvet, M. Bonfand, R. Galván-Madrid, R. H. Álvarez-Gutiérrez, M. Armante, L. Bronfman, H.-R. V. Chen, N. Cunningham, D. Díaz-González, P. Didelon, M. Fernández-López, F. Herpin, N. Kessler, A. Koley, B. Lefloch, N. Le Nestour, H.-L. Liu, E. Moraux, Q. Nguyen Luong, F. Olguin, J. Salinas, N. A. Sandoval-Garrido, **P. Sanhueza**, R. Veyry, T. Yoo, 2024, A&A, 694, A24. **(0 citations)**

121. ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions – XIX. The origin of SiO emission
Rong Liu, Tie Liu, Izaskun Jiménez-Serra, Jin-Zeng Li, Jesús Martín-Pintado, Xunchuan Liu, Chang Won Lee, **P. Sanhueza**, James O. Chibueze, Víctor M. Rivilla, Mika Juvela, Laura Colzi, Leonardo Bronfman, Hong-Li Liu, Miguel Sanz-Novo, Álvaro López-Gallifa, Shanghuo Li, Andrés Megías, David San Andrés, Guido Garay, Jihye Hwang, Jianwen Zhou, Fengwei Xu, Antonio Martínez-Henares, Anindya Saha, & Hafiz Nazeer, 2025, MNRAS, 536, 1894. **(0 citations)**

120. Alignment Parameters: Quantifying Dense Core Alignment in Star-forming

Regions
Wei-An Chen, S. D. Clarke, Ya-Wen Tang, & **P. Sanhueza**, 2024, ApJ, 979, 1, 67. **(0 citations)**

119. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Nested Morphological and Kinematic Structures of Outflows Revealed in SiO and CO Emission
Chun-Fan Liu, Hsien Shang, Doug Johnstone, Tsung-Han Ai, Tsz Ming Lee, Ruben Krasnopolsky, Naomi Hirano, Somnath Dutta, Shih-Ying Hsu, Jesús Alejandro López-Vázquez, Sheng-Yuan Liu, Tie Liu, Ken'ichi Tatematsu, Qizhou Zhang, Mark G. Rawlings, David Eden, Zhiyuan Ren, **Patricio Sanhueza**, Woojin Kwon, Chang Won Lee, Yi-Jehng Kuan, Somdeb Bandopadhyay, Miikka S. Väisälä, Chin-Fei Lee, & Indrani Das, 2024, ApJ, 979, 1, 17. **(0 citations)**

118. ATOMS: ALMA three-millimeter observations of massive star-forming regions – XVIII. On the origin and evolution of dense gas fragments in molecular shells of compact HII regions
Siju Zhang, Tie Liu, Ke Wang, Annie Zavagno, Guido Garay, Hongli Liu, Fengwei Xu, Xunchuan Liu, **Patricio Sanhueza**, Archana Soam, Jian-wen Zhou, Shanghuo Li, Paul F. Goldsmith, Yong Zhang, James O. Chibueze, Chang Won Lee, Jihye Hwang, Leonardo Bronfman, & Lokesh K. Dewangan, 2024, MNRAS, 535, 1364 **(0 citations)**

117. The magnetic field in quiescent star-forming filament G16.96+0.27
Qi-Lao Gu, Tie Liu, Zhi-Qiang Shen, Sihan Jiao, Julien Montillaud, Mika Juvela, Xing Lu, Chang Won Lee, Junhao Liu, Pak Shing Li, Xunchuan Liu, Doug Johnstone, Woojin Kwon, Kee-Tae Kim, Ken'ichi Tatematsu, **Patricio Sanhueza**, Isabelle Ristorcelli, Patrick Koch, Qizhou Zhang, Kate Pattle, Naomi Hirano, Dana Alina, & James Di Francesco, 2024, ApJ, 976, 249 **(0 citations)**

116. The ALMA-QUARKS Survey: Fibers' role in star formation unveiled in an intermediate-mass protocluster region of the Vela D cloud
Dongting Yang, HongLi Liu, Tie Liu, Anandmayee Tej, Xunchuan Liu, Jinhua He, Guido Garay, Amelia Stutz, Lei Zhu, Sheng-Li Qin, Fengwei Xu, Pak-Shing Li, Mika Juvela, Pablo Garcia, Paul F. Goldsmith, Siju Zhang, Xindi Tang, **Patricio Sanhueza**, Shanghuo Li, Chang Won Lee, Swagat Ranjan Das, Wenyu Jiao, Xiaofeng Mai, Prasanta Gorai, Yichen Zhang, Zhiyuan Ren, L. Viktor Toth, Jihye Hwang, Leonardo Bronfman, Kenichi Tatematsu, Lokesh Dewangan, James O. Chibueze, Suinan Zhang, Gang Wu, & Jinjin Xie, 2024, ApJ, 976, 241 **(0 citations)**

115. ATOMS: ALMA three-millimetre observations of massive star-forming regions-XVII. High-mass star-formation through a large-scale collapse in IRAS 15394-5358
Swagat R. Das, Manuel Merello, Leonardo Bronfman, Tie Liu, Guido Garay, Amelia Stutz, Diego Mardones, Jian-Wen Zhou, **Patricio Sanhueza**, Hong-Li Liu, Enrique Vázquez-Semadeni, Gilberto C. Gómez, Aina Palau, Anandmayee Tej, Feng-Wei Xu, Tapas Baug, Lokesh K. Dewangan, Jinhua He, Lei Zhu, Shanghuo Li1, Mika Juvela, Anindya Saha, Namitha Issac, Jihye Hwang, Hafiz Nazeer, & L. Viktor Toth, 2024, MNRAS, 534, 3832 **(0 citations)**

114. ALMASOP. The Localized and Chemically rich Features near the Bases of the Protostellar Jet in HOPS 87
Shih-Ying Hsu, Chin-Fei Lee, Sheng-Yuan Liu, Doug Johnstone, Tie Liu, Satoko Takahashi, Leonardo Bronfman, Huei-Ru Vivien Chen, Somnath Dutta, David J. Eden, Neal J. Evans II, Naomi Hirano, Mika Juvela, Yi-Jehng Kuan, Woojin Kwon, Chang Won Lee, Jeong-Eun Lee, Shanghuo Li, Chun-Fan Liu, Xunchuan Liu, Qiuyi Luo, Sheng-Li Qin, Dipen Sahu, **Patricio Sanhueza**, Hsien Shang, Kenichi Tatematsu, & Yao-Lun Yang, 2024, ApJ, 976, 29 **(0 citations)**

113. ALMA-IMF XVIII: The assembly of a star cluster: Dense N_2H^+ (1-0) kinematics in the massive G351.77 protocluster
N. A. Sandoval-Garrido, A. M. Stutz, R. H. Álvarez-Gutiérrez, R. Galván-Madrid, F. Motte, A.

Ginsburg, N. Cunningham, S. Reyes-Reyes, E. Redaelli, M. Bonfand, J. Salinas, A. Koley, J. Braine, L. Bronfman, G. Busquet, T. Csengeri, J. Di Francesco, M. Fernández-López, P. Garcia, A. Gusdorf, H.-L. Liu, & **Patricio Sanhueza**, 2024, A&A, in press. **(0 citations)**

112. Magnetic Fields in Massive Star-forming Regions (MagMaR) IV: Tracing the Magnetic Fields in the O-type protostellar system IRAS 16547–4247
Luis A. Zapata, Manuel Fernandez-Lopez, **Patricio Sanhueza**, Josep M. Girart, Luis F. Rodriguez, Paulo Cortes, Koch Patrick, Maria T. Beltran, Kate Pattle, Henrik Beuther, Piyali Saha, Wenyu Jiao, Fengwei Xu, Xing Walker Lu, Fernando Olguin, Shanghuo Li, Ian W. Stephens, Jihyun Kang, Yu Cheng, Spandan Choudhury, Kaho Morii, Eun Jung Chung, Jia-Wei Wang, Jihye Hwang, A-Ran Lyo, Qizhou Zhang, & Huei-Ru Vivien Chen, 2024, ApJ, 974, 257 **(0 citations)**

111. JCMT 850 μm continuum observations of density structures in the G35 molecular complex
Xianjin Shen, Hong-Li Liu, Zhiyuan Ren, Anandmayee Tej, Di Li, Hauyu Baobab Liu, Gary A. Fuller, Jinjin Xie, Sihan Jiao, Aiyuan Yang, Patrick M. Koch, Fengwei Xu, **Patricio Sanhueza**, Pham Ngoc Diep, Nicolas Peretto, R.K. Yadav, Busaba H. Kramer, Koichiro Sugiyama, Mark G. Rawlings, Chang Won Lee, Ken'ichi Tatematsu, Daniel Harsono, David Eden, Woojin Kwon, Chao-Wei Tsai, Glenn J. White, Kee-Tae Kim, Tie Liu, Ke Wang, Siju Zhang, Wenyu Jiao, Dongting Yang, Swagat R. Das, Jingwen Wu, & Chen Wang, 2024, ApJ, 974, 239 **(0 citations)**

110. Dynamical Accretion Flows ALMAGAL: Flows along filamentary structures in high-mass star-forming clusters
M.R.A. Wells, H. Beuther, S. Molinari, P. Schilke, C. Battersby, P. Ho, Á. Sánchez-Monge, B. Jones, M.B. Scheuck, J. Syed, C. Gieser, R. Kuiper, D. Elia, A. Coletta, A. Traficante, J. Wallace, A.J. Rigby, R.S. Klessen, Q. Zhang, S. Walch, M. T. Beltrán, Y. Tang, G. Fuller, D.C. Lis, T. Möller, F. van der Tak, P.D. Klaassen, S.D. Clarke, L. Moscadelli, C. Mininni, H. Zinnecker, Y. Maruccia, S. Pezzuto, M. Benedettini, J.D. Soler, C.L. Brogan, A. Avison, **P. Sanhueza**,, E. Schisano, T. Liu, F. Fontani, K.L.J. Rygl, F. Wyrowski, J. Bally, D.L. Walker, A. Ahmadi, P. Koch, M. Merello, C.Y. Law, & L. Testi, 2024, A&A, 690, A185 **(0 citations)**

109. ALMA-IMF XIV: Free-Free Templates Derived from H 41α and Ionized Gas Content in Fifteen Massive Protoclusters
Roberto Galvan-Madrid, Daniel J. Diaz-Gonzalez, Frederique Motte, Adam Ginsburg, Nichol Cunningham, Karl M. Menten, Melanie Armante, Melisse Bonfand, Jonathan Braine, Timea Csengeri, Pierre Dell'Ova, Fabien Louvet, Thomas Nony, Rudy Rivera-Soto, **Patricio Sanhueza**, Amelia M. Stutz, Friedrich Wyrowski, Rodrigo H. Alvarez-Gutierrez, Tapas Baug, Sylvain Bontemps, Leonardo Bronfman, Manuel Fernandez-Lopez, Antoine Gusdorf, Atanu Koley, Hong-Li Liu, Javiera Salinas, Allison P. M. Towner, Anthony P. Whitworth, 2024, ApJS, 274, 15 **(0 citations)**

108. MagMar III – Resisting the Pressure, Is the Magnetic Field Overwhelmed in NGC6334I?
Paulo C. Cortes, Josep M. Girart, **Patricio Sanhueza**, Junhao Liu, Sergio Martin, Ian W. Stephens, Henrik Beuther, Patrick M. Koch, M. Fernandez-Lopez, Alvaro Sanchez-Monge, Jia-Wei Wang, Kaho Morii, Shanghuo Li, Piyali Saha, Qizhou Zhang, David Rebolledo, Luis A. Zapata, Ji-hyun Kang, Wenyu Jiao, Jongsoo Kim, Yu Cheng, Jihye Hwang, Eun Jung Chung, Spandan Choudhury, A-Ran Lyo, & Fernando Olguin, 2024, ApJ, 972, 115 **(1 citations)**

107. ALMA-IMF XV: N2H+ kinematic analysis on the intermediate protocluster G353.41
R. H. Alvarez-Gutiérrez, A. M. Stutz, N. Sandoval-Garrido, F. Louvet, F. Motte, R. Galvan-Madrid, N. Cunningham, **P. Sanhueza**, M. Bonfand, S. Bontemps, A. Gusdorf, T. Csengeri, S. D. Reyes, J. Salinas, T. Baug, L. Bronfman, G. Busquet, D. J. Diaz-Gonzalez, M. Fernandez-Lopez, A. Guzman, A. Koley, H.-L. Liu, F. A. Olguin, M. Valeille-Manet, & F. Wyrowski, 2024, A&A, 689, A74 **(0 citations)**

106. Direct observational evidence of multi-epoch massive star formation in G24.47+0.49
Anindya Saha, Anandmayee Tej, Hong-Li Liu, Tie Liu, Guido Garay, Paul F. Goldsmith, Chang Won Lee, Jinhua He, Mika Juvela, Leonardo Bronfman, Tapas Baug, Enrique Vazquez-Semadeni, **Patricio Sanhueza**, Shanghuo Li, James O. Chibueze, N. K. Bhadari, Lokesh K. Dewangan, Swagat Ranjan Das, Feng-Wei Xu, Namitha Issac, Jihye Hwang, L. Viktor Toth, 2024, ApJL, 970, L40 **(0 citations)**

105. ALMA-IMF. XII. Point-process mapping of 15 massive protoclusters
P. Dell'Ova, F. Motte, A. Gusdorf, Y. Pouteau, A. Men'shchikov, D. Diaz-Gonzalez, R. Galván-Madrid, P. Lesaffre, P. Didelon, A.M. Stutz, A.P.M. Towner, K. Marsh, A. Whitworth, M. Armante, M. Bonfand, T. Nony, M. Valeille-Manet, S. Bontemps, T. Csengeri, N. Cunningham, A. Ginsburg, F. Louvet, R. H. Alvarez-Gutierrez, N. Brouillet, J. Salinas, **P. Sanhueza**, F. Nakamura, Q. Nguyen Luong, T. Baug, M. Fernandez-Lopez, H.-L. Liu, & F. Olguin, 2024, A&A, 687, A217 **(2 citations)**

104. ALMA-IMF XI: The sample of hot core candidates A rich population of young high-mass proto-stars unveiled by the emission of methyl formate
M. Bonfand, T. Csengeri, S. Bontemps, N. Brouillet, F. Motte, F. Louvet, A. Ginsburg, N. Cunningham, R. Galván-Madrid, F. Herpin, F. Wyrowski, M. Valeille-Manet, A. M. Stutz, J. Di Francesco, A. Gusdorf, M. Fernández-López, B. Lefloch, H-L. Liu, **P. Sanhueza**, R. H. Álvarez-Gutiérrez, F. Olguin, T. Nony, A. Lopez-Sepulcre, P. Dell'Ova, Y. Pouteau, D. Jeff, H.-R. V. Chen, M. Armante, A. Towner, L. Bronfman, & N. Kessler, 2024, A&A, 687, A163 **(6 citations)**

103. The ALMA-QUARKS Survey: II. the ACA 1.3 mm continuum source catalog and the assembly of dense gas in massive star-forming clumps
Fengwei Xu, Ke Wang, Tie Liu, Lei Zhu, Guido Garay, Xunchuan Liu, Paul Goldsmith, Qizhou Zhang, **Patricio Sanhueza**, Shengli Qin, Jinhua He, Mika Juvela, Anandmayee Tej, Hongli Liu, Shanghuo Li, Kaho Morii, Siju Zhang, Jianwen Zhou, Amelia Stutz, Neal J. Evans, Kim Kee-Tae, Shengyuan Liu, Diego Mardones, Guangxing Li, Leonardo Bronfman, Ken'ichi Tatematsu, Chang Won Lee, Xing Lu, Xiaofeng Mai, Sihan Jiao, James O. Chibueze, Keyun Su, & L. Viktor Toth, 2024, RAA, 24, 065011 **(0 citations)**

102. A study of Galactic Plane Planck Galactic Cold Clumps observed by SCOPE and the JCMT Plane Survey
D. J. Eden, Tie Liu, T.J.T. Moore, J. Di Francesco, G. Fuller, Kee-Tae Kim, Di Li, S.-Y. Liu, R. Plume, Ken'ichi Tatematsu, M.A. Thompson, Y. Wu, L. Bronfman, H.M. Butner, M.J. Currie, G. Garay, P.F. Goldsmith, N. Hirano, D. Johnstone, M. Juvela, S.-P. Lai, C.W. Lee, E.E. Mannfors, F. Olguin, K. Pattle, Geumsook Park, D. Polychroni, M. Rawlings, A.J. Rigby, **P. Sanhueza**, A. Traficante, J.S. Urquhart, B. Weferling, G.J. White, & R.K. Yadav, 2024, MNRAS, 530, 5192 **(0 citations)**

101. Gas inflows from cloud to core scales in G332.83-0.55: Hierarchical hub-filament structures and tide-regulated gravitational collapse
J. W. Zhou, S. Dib, M. Juvela, **P. Sanhueza**, F. Wyrowski, T. Liu, & K. M. Menten, 2024, A&A, 686, A146 **(2 citations)**

100. ALMA-IMF X – The core population in the evolved W33-Main (G012.80) protocluster
M. Armante, A. Gusdorf, F. Louvet, F. Motte, Y. Pouteau, P. Lesaffre, R. Galván-Madrid, P. Dell'Ova, M. Bonfand, T. Nony, N. Brouillet, N. Cunningham, A. Ginsburg, A. Men'shchikov, S. Bontemps, D. Díaz González, T. Csengeri, M. Fernández-López, M. González, F. Herpin, H.-L. Liu, **P. Sanhueza**, A.M. Stutz, & M. Valeille-Manet, 2024, A&A, 686, A122 **(4 citations)**

99. INvestigations of massive Filaments ANd sTar formation (INFANT). I. Core Identification and Core Mass Function

Yu Cheng, Xing Lu, **Patricio Sanhueza**, Hauyu Baobab Liu, Qizhou Zhang, Roberto Galvan-Madrid, Ke Wang, Fumitaka Nakamura, Tie Liu, Siyi Feng, Shanghuo Li, Sihan Jiao, Kei E. I. Tanaka, Xunchuan Liu, Pak Shing Li, Qiuyi Luo, Qilao Gu, Yuxin Lin, & Andres E. Guzman, 2024, ApJ, 967, 56 **(1 citations)**

98. Absorption and Self-absorption of [C II] and [O I] Far Infrared Lines toward a Bright Bubble in the Nessie Infrared Dark Cloud
J.M. Jackson, J. S. Whitaker, E.T. Chambers, R. Simon, C. Guevara, D. Allingham, P. Patterson, N. Killerby-Smith, J. Askew, T. Vandenberg, H.A. Smith, **P. Sanhueza**, I.W. Stephens, L. Bonne, F. Polles, A. Schmiedeke, N. Honigh, & M. Justen, 2024, ApJ, 965, 187 **(0 citations)**

97. On the Magnetic Field Properties of Protostellar Envelopes in Orion
Bo Huang, Josep M. Girart, Ian W. Stephens, Manuel Fernandez-Lopez, Hector G. Arce, John M. Carpenter, Paulo Cortes, Erin G. Cox, Rachel Friesen, Valentin J. M. Le Gouellec, Charles L. H. Hull, Nicole Karnath, Woojin Kwon, Zhi-Yun Li, Leslie W. Looney, Tom Megeath, Philip C. Myers, Nadia M. Murillo, Jaime E. Pineda, Sarah Sadavoy, Alvaro Sanchez-Monge, **Patricio Sanhueza**, John J. Tobin, Qizhou Zhang, James M. Jackson, & Dominique Segura-Cox, 2024, ApJL, 963, L31 **(6 citations)**

96. On the Scarcity of Dense Cores (n $>10^5$ cm^{-3}) in High Latitude Planck Galactic Cold Clumps
Fengwei Xu, Ke Wang, Tie Liu, David Eden, Xunchuan Liu, Mika Juvela, Jinhua He, Doug Johnstone, Paul Goldsmith, Guido Garay, Yuefang Wu, Archana Soam, Alessio Traficante, Isabelle Ristorcelli, Edith Falgarone, Huei-Ru Vivien Chen, Naomi Hirano, Yasuo Doi, Woojin Kwon, Glenn J. White, Anthony Whitworth, **Patricio Sanhueza**, Mark G. Rawlings, Dana Alina, Zhiyuan Ren, Chang Won Lee, Ken'ichi Tatematsu, Chuan-Peng Zhang, Jianjun Zhou, Shih-Ping Lai, Derek Ward-Thompson, Sheng-Yuan Liu, Qilao Gu, Lei Zhu, & Diego Mardones, 2024, ApJL, 963, L9. **(2 citations)**

95. The ALMA-QUARKS survey: – I. Survey description and data reduction
Xunchuan Liu, Tie Liu, Lei Zhu, Guido Garay, Hong-Li Liu, Paul Goldsmith, Neal Evans, Kee-Tae Kim, Sheng-Yuan Liu, Fengwei Xu, Xing Lu, Anandmayee Tej, Xiaofeng Mai, Leonardo Bronfman, Shanghuo Li, Diego Mardones, Amelia Stutz, Ken'ichi Tatematsu, Ke Wang, Qizhou Zhang, Sheng-Li Qin, Jianwen Zhou, Qiuyi Luo, Siju Zhang, Yu Cheng, Jinhua He, Qilao Gu, Ziyang Li, Zhenying Zhang, Suinan Zhang, Anindya Saha, Lokesh Dewangan, **Patricio Sanhueza**, & Zhiqiang Shen, 2024, RAA, 24, 025009 **(4 citations)**

94. The ALMA-QUARKS survey: Detection of two extremely dense substructures in a massive prestellar core
Xiaofeng Mai, Tie Liu, Xunchuan Liu, Lei Zhu, Guido Garay, Paul F. Goldsmith, Mika Juvela, Hongli Liu, Emma Mannfors, Emma Mannfors, Anandmayee Tej, **Patricio Sanhueza**, Shanghuo Li, Fengwei Xu, Enrique Vazquez Semadeni, Wenyu Jiao, Yaping Peng, T. Baug, Aiyuan Yang, Lokesh Dewangan, Leonardo Bronfman, Gilberto C. Gómez, Aina Palau, Chang Won Lee, Sheng-Li Qin, Ken'ichi Tatematsu, James O. Chibueze, Dongting Yang, Xing Lu, Qiuyi Luo, Qilao Gu, Namitha Issac, Suinan Zhang, Pak-Shing Li, Bo Zhang, & L. Viktor Toth, 2024, ApJL, 961, L35 **(1 citations)**

93. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Molecular Jets and Episodic Accretion in Protostars
Somnath Dutta, Chin-Fei Lee, Doug Johnstone, Jeong-Eun Lee, Naomi Hirano, James Di Francesco, Anthony Moraghan, Tie Liu, Dipen Sahu, Sheng-Yuan Liu, Ken'ichi Tatematsu, Paul F. Goldsmith, Chang Won Lee, Shanghuo Li, David Eden, Mika Juvela, Leonardo Bronfman, Shih-Ying Hsu, Kee-Tae Kim, Woojin Kwon, **Patricio Sanhueza** Xunchuan Liu, Jesus Alejandro Lopez-Vazquez, Qiuyi Luo, & Hee-Weon Yi, 2024, AJ, 167, 72**(8 citations)**

92. Feedback from protoclusters does not significantly change the kinematic

properties of the embedded dense gas structures
J. W. Zhou, S. Dib, F. Wyrowski, T. Liu, S. H. Li, **P. Sanhueza**, M. Juvela, F. W. Xu, H. L. Liu, T. Baug, Y. P. Peng, K. M. Menten, L. Bronfman, & C. W. Lee, 2024, A&A, 682, A173 **(2 citations)**

91. The ALMA Survey of Star Formation and Evolution in Massive Protoclusters with Blue Profiles (ASSEMBLE): Core Growth, Cluster Contraction, and Primordial Mass Segregation
Fengwei Xu, Ke Wang, Tie Liu, Mengyao Tang, Neal J. Evans II, Aina Palau, Kaho Morii, Jinhua He, **Patricio Sanhueza**, Hong-Li Liu, Amelia Stutz, Qizhou Zhang, Xi Chen, Pak Shing Li, Gilberto C. Gómez, Enrique Vázquez-Semadeni, Shanghuo Li, Xiaofeng Mai, Xing Lu, Meizhu Liu, Li Chen, Chuanshou Li, Hongqiong Shi, Zhiyuan Ren, Di Li, Guido Garay, Leonardo Bronfman, Lokesh Dewangan, Mika Juvela, Chang Won Lee, S. Zhang, Nannan Yue, Chao Wang, Yifei Ge, Wenyu Jiao, Qiuyi Luo, J.-W. Zhou, Ken'ichi Tatematsu, James O. Chibueze, Keyun Su, Shenglan Sun, I. Ristorcelli, & L. Viktor Toth, 2024, ApJS, 270, 9 **(10 citations)**

90. ALMA-IMF. IX. Catalog and Physical Properties of 315 SiO Outflow Candidates in 15 Massive Protoclusters
A. P. M. Towner, A. Ginsburg, P. Dell'Ova, A. Gusdorf, S. Bontemps, T. Csengeri, R. Galván-Madrid, F. K. Louvet, F. Motte, **P. Sanhueza**, A. M. Stutz, J. Bally, T. Baug, H. R. V. Chen, N. Cunningham, M. Fernández-López, H.-L. Liu, X. Lu, T. Nony, M. Valeille-Manet, B. Wu, R. H. Álvarez-Gutiérrez, M. Bonfand, J. Di Francesco, Q. Nguyen-Luong, F. Olguin, & A. P. Whitworth, 2024, ApJ, 960, 48 **(3 citations)**

89. The role of turbulence in high-mass star formation: Subsonic and transonic turbulence are ubiquitously found at early stages
Chao Wang, Ke Wang, Feng-Wei Xu, **Patricio Sanhueza**, Hauyu Baobab Liu, Qizhou Zhang, Xing Lu, F. Fontani, Paola Caselli, Gemma Busquet, Jonathan C. Tan, Di Li, J. M. Jackson, Thushara Pillai, Paul T. P. Ho, Andrés E. Guzman, & Nannan Yue, 2024, A&A, 681, A51 **(3 citations)**

88. ALMA-IMF. VIII. Combination of Interferometric Continuum Images with Single-dish Surveys and Structural Analysis of Six Protoclusters
Daniel J. Díaz-González, Roberto Galván-Madrid, Adam Ginsburg, Frédérique Motte, Pierre Dell'Ova, Stan Kurtz, Nichol Cunningham, Amelia M. Stutz, Fabien Louvet, Timea Csengeri, Manuel Fernández-López, **Patricio Sanhueza**, Thomas Nony, Rudy Rivera-Soto, Rodrigo H. Álvarez-Gutiérrez, Melanie Armante, Melisse Bonfand, Sylvain Bontemps, Antoine Gusdorf, & Hong-Li Liu, 2023, ApJS, 269, 55 **(5 citations)**

87. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): The Warm-envelope Origin of Hot Corinos
Shih-Ying Hsu, Sheng-Yuan Liu, Doug Johnstone, Tie Liu, Leonardo Bronfman, Huei-Ru Vivien Chen, Somnath Dutta, David J. Eden, Neal J. Evans II, Naomi Hirano, Mika Juvela, Yi-Jehng Kuan, Woojin Kwon, Chin-Fei Lee, Chang Won Lee, Jeong-Eun Lee, Shanghuo Li, Chun-Fan Liu, Xunchuan Liu, Qiuyi Luo, Sheng-Li Qin, Mark G. Rawlings, Dipen Sahu, **Patricio Sanhueza**, Hsien Shang, Ken'ichi Tatematsu, & Yao-Lun Yang, 2023, ApJ, 956, 120, **(0 citations)**

86. ALMA-IMF VII - First Release of the full Spectral Line Cubes: First Look at the Core Kinematics Traced by DCN J=(3-2)
N. Cunningham, A. Ginsburg, R. Galvan-Madrid, F. Motte, T. Csengeri, A. M. Stutz, M. Fernandez-Lopez, R. H. Alvarez-Gutierrez, M. Armante, T. Baug, D. J. Díaz-Gonzalez, J. Di Francesco, M. Bonfand, S. Bontemps, J. Braine, N. Brouillet, G. Busquet, A. Gusdorf, F. Herpin, H. Liu, A. Lopez-Sepulcre, F. Louvet, X. Lu, L. Maud, T. Nony, F. A. Olguin, Y. Pouteau, S. D. Reyes-Reyes, R. Rivera-Soto, N. A. Sandoval-Garrido, **P. Sanhueza**, K. Tatematsu, A. P. M. Towner, & M. Valeille-Manet, 2023, A&A, 678, A194, **(10 citations)**

85. Direct Observational Evidence of the Multi-scale, Dynamical Mass Accretion toward a High-mass Star-Forming Hub-filament System
Dongting Yang, Hong-Li Liu, Anandmayee Tej, Tie Liu, **Patricio Sanhueza**, Sheng-Li Qin, Xing Lu, Ke Wang, Sirong Pan, Feng Wei Xu, Enrique Vazquez-Semadeni, Shanghuo Li, Gilberto C. Gomez, Aina Palau, Guido Garay, Paul F. Goldsmith, Mika Juvela, Anindya Saha, Leonardo Bronfman, Chang Won Lee, Ken'ichi Tatematsu, Lokesh Dewangan, Jianwen Zhou, Yong Zhang, Amelia Stutz, Chakali Eswaraiah, L. Viktor Toth, Isabelle Ristorcelli, Xianjin Shen, Anxu Luo & James O. Chibueze, 2023, ApJ, 953, 40, **(10 citations)**

84. Evidence of high-mass star formation through multiscale mass accretion in hub-filament-system clouds
Hong-Li Liu, Anandmayee Tej, Tie Liu, **Patricio Sanhueza**, Sheng-Li Qin, Jinhua He, Paul F Goldsmith, Guido Garay, Sirong Pan, Kaho Morii, Shanghuo Li, Amelia Stutz, Ken'ichi Tatematsu, Feng-Wei Xu, Leonardo Bronfman, Anindya Saha, Namitha Issac, Tapas Baug, L Viktor Toth, Lokesh Dewangan, Ke Wang, Jianwen Zhou, Chang Won Lee, Dongting Yang, Anxu Luo, Xianjin Shen, Yong Zhang, Yue-Fang Wu, Zhiyuan Ren, Xun-Chuan Liu, Archana Soam, Siju Zhang, Qiu-Yi Luo, 2023, MNRAS, 522, 3719 **(27 citations)**

83. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): A Forming Quadruple System with Continuum 'Ribbons' and Intricate Outflows
Qiu-yi Luo, Tie Liu, Aaron T. Lee, Stella S. R. Offner, James di Francesco, Doug Johnstone, Mika Juvela, Paul F. Goldsmith, Sheng-Li Qin, Xiaofeng Mai, Xun-chuan Liu, **Patricio Sanhueza**, Feng-Wei Xu, Ken'ichi Tatematsu, Somnath Dutta, Huei-Ru Vivien Chen, Shanghuo Li, Aiyuan Yang, Sheng-Yuan Liu, Chin-Fei Lee, Naomi Hirano, Chang Won Lee, Dipen Sahu , Hsien Shang, Shih-Ying Hsu, Leonardo Bronfman, Woojin Kwon , M. G. Rawlings, David Eden, Xing Lu , Qi-lao Gu, Zhiyuan Ren, D. Ward-Thompson, & Zhi-Qiang Shen, 2023, ApJL, 952, L2, **(2 citations)**

82. ALMA-IMF VI – Investigating the origin of stellar masses: Core mass function evolution in the W43-MM2 & MM3 mini-starburst
Y. Pouteau, F. Motte, T. Nony, M. Gonzalez, I. Joncour, J.-F. Robitaille, G. Busquet, R. Galvan-Madrid, A. Gusdorf, P. Hennebelle, A. Ginsburg, T. Csengeri, **P. Sanhueza**, P. Del"Ova, A. M. Stutz, A. P. M. Towner, N. Cunningham, F. Louvet, A. Men'shchikov, M. Fernandez-Lopez, N. Schneider, M. Armante, J. Bally, T. Baug, M. Bonfand, S. Bontemps, L. Bronfman, N. Brouillet, D. Diaz-Gonzalez, F. Herpin, B. Lefloch, H.-L. Liu, X. Lu, F. Nakamura, Q. Nguyen Luong, F. Olguin, K. Tatematsu & M. Valeille-Manet, 2023, A&A, 674, A76 **(18 citations)**

81. ALMA-IMF. V. Prestellar and protostellar core populations in the W43 cloud complex
T. Nony, R. Galvan-Madrid, F. Motte, Y. Pouteau, N. Cunningham, F. Louvet, A. M. Stutz, B. Lefloch, S. Bontemps, N. Brouillet, A. Ginsburg, I. Joncour, F. Herpin, **P. Sanhueza**, T. Csengeri, A. P. M. Towner, M. Bonfand, M. Fernandez-Lopez, T. Baug, L. Bronfman, G. Busquet, J. Di Francesco, A. Gusdorf, X. Lu, F. Olguin, M. Valeille-Manet, & A. P. Whitworth, 2023, A&A, 674, A75 **(24 citations)**

80. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Density Structure of Centrally Concentrated Prestellar Cores from Multiscale Observations
Dipen Sahu, Sheng-Yuan Liu, Doug Johnstone, Tie Liu, Neal J. Evans II, Naomi Hirano, Ken'ichi Tatematsu, James Di Francesco, Chin-Fei Lee, Kee-Tae Kim, Somnath Dutta, Shih-Ying Hsu, Shanghuo Li, Qiu-Yi Luo, **Patricio Sanhueza**, Hsien Shang, Alessio Traficante, Mika Juvela, Chang Won Lee, David J. Eden, Paul F. Goldsmith, Leonardo Bronfman, Woojin Kwon, Jeong-Eun Lee, Yi-Jehng Kuan, & Isabelle Ristorcelli, 2023, ApJ, 945, 156 **(3 citations)**

79. CARMA-NRO Orion Survey: Unbiased Survey of Dense Cores and Core Mass Functions in Orion A

Hideaki Takemura , Fumitaka Nakamura, Hector G. Arce, Nicola Schneider, Volker Ossenkopf-Okada, Shuo Kong, Shun Ishii, Kazuhito Dobashi, Tomomi Shimoikura, **Patricio Sanhueza**, Takashi Tsukagoshi, Paolo Padoan, Ralf S. Klessen, Paul. F. Goldsmith, Blakesley Burkhart, Dariusz C. Lis, Alvaro Sanchez-Monge, Yoshito Shimajiri, & Ryohei Kawabe, 2023, ApJS, 264, 35 **(8 citations)**

78. Salt-bearing Disk Candidates around High-mass Young Stellar Objects
Adam Ginsburg, Brett A. McGuire, **Patricio Sanhueza**, Fernando Olguin, Luke T. Maud, Kei E. I. Tanaka, Yichen Zhang, Henrik Beuther, & Nick Indriolo, 2023, ApJ, 942, 66 **(4 citations)**

77. The core population and kinematics of a massive clump at early stages: an ALMA view
Elena Redaelli, Stefano Bovino, **Patricio Sanhueza**, Kaho Morii, Giovanni Sabatini, Paola Caselli, Andrea Giannetti, & Shanghuo Li, 2022, ApJ, 936, 169 **(19 citations)**

76. The ALMA Survey of 70 μm Dark High-mass Clumps in Early Stages (ASHES). VI. The core-scale CO-depletion.
Giovanni Sabatini, Stefano Bovino, **Patricio Sanhueza**, Kaho Morii, Shanghuo Li, Elena Redaelli, Qizhou Zhang, Xing Lu, Siyi Feng, Daniel Tafoya, Natsuko Izumi, Takeshi Sakai, Ken'ichi Tatematsu, & David Allingham, 2022, ApJ, 936, 80 **(14 citations)**

75. ALMA-IMF IV – A comparative study of the main hot cores in W43-MM1: detection, temperature and molecular composition
N. Brouillet, D. Despois, J. Molet, T. Nony, F. Motte, A. Gusdorf, F. Louvet, S. Bontemps, F. Herpin, M. Bonfand, T. Csengeri, A. Ginsburg, N. Cunningham, R. Galvan-Madrid, L. Maud, G. Busquet, L. Bronfman, M. Fernandez-Lopez, D. L. Jeff, B. Lefloch, Y. Pouteau, **P. Sanhueza**, A. M. Stutz, & M. Valeille-Manet, 2022, A&A, 665, A140 **(10 citations)**

74. ALMA-IMF III – Investigating the origin of stellar masses: Top-heavy core mass function in the W43-MM2 & MM3 mini-starburst
Y. Pouteau, F. Motte, T. Nony, R. Galvan-Madrid, A. Men'shchikov, S. Bontemps, J.-F. Robitaille, F. Louvet, A. Ginsburg, F. Herpin, A. Lopez-Sepulcre, P. Dell'Ova, A. Gusdorf, **P. Sanhueza**, A. M. Stutz, N. Brouillet, B. Thomasson, M. Armante, T. Baug, M. Bonfand, G. Busquet, T. Csenger, N. Cunningham, M. Fernandez-Lopez, H.-L. Liu, F. Olguin, A. P. M. Towner, J. Bally, J. Braine, L. Bronfman, I. Joncour, M. Gonzalez, P. Hennebelle, X. Lu, K. M. Menten, E. Moraux, K. Tatematsu, D. Walker, and A. P. Whitworth, 2022, A&A, 664, A26 **(34 citations)**

73. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): How Do Dense Core Properties Affect the Multiplicity of Protostars?
Qiu-yi Luo, Tie Liu, Ken'ichi Tatematsu, Sheng-Yuan Liu, Pak Shing Li, James di Francesco, Doug Johnstone, Paul F. Goldsmith, Somnath Dutta, Naomi Hirano, Chin-Fei Lee, Di Li, Kee-Tae Kim, Chang Won Lee, Jeong-Eun Lee, Xun-chuan Liu, Mika Juvela, Jinhua He, Sheng-Li Qin, Hong-Li Liu, David Eden, Woojin Kwon, Dipen Sahu, Shanghuo Li, Feng-Wei Xu, Si-ju Zhang, Shih-Ying Hsu, Leonardo Bronfman, **Patricio Sanhueza**, Veli-Matti Pelkonen, Jian-wen Zhou, Rong Liu, Qi-lao Gu, Yue-fang Wu, Xiao-feng Mai, Edith Falgarone, & Zhi-Qiang Shen, 2022, ApJ, 931, 158 **(6 citations)**

72. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Evidence for a Molecular Jet Launched at an Unprecedented Early Phase of Protostellar Evolution
Somnath Dutta, Chin-Fei Lee, Naomi Hirano, Tie Liu, Doug Johnstone, Sheng-Yuan Liu, Ken'ichi Tatematsu, Paul F. Goldsmith, Dipen Sahu, Neal J. Evans, **Patricio Sanhueza**, Woojin Kwon, Sheng-Li Qin, Manash Ranjan Samal, Qizhou Zhang, Kee-Tae Kim, Hsien Shang, Chang Won Lee, Anthony Moraghan, Kai-Syun Jhan, Shanghuo Li, Jeong-Eun Lee, Alessio Traficante, Mika Juvela, Leonardo Bronfman, David Eden, Archana Soam, Jinhua He, Hong-li Liu, Yi-Jehng

Kuan, Veli-Matti Pelkonen, Qiuyi Luo, Hee-Weon Yi, and Shih-Ying Hsu, 2022, ApJ, 931, 130 **(9 citations)**

71. ALMA-IMF. II. Investigating the origin of stellar masses: Continuum images and data processing
A. Ginsburg, T. Csengeri, R. Galvan-Madrid, N. Cunningham, R. H. Alvarez-Gutierrez, T. Baug, M. Bonfand, S. Bontemps, G. Busquet, D. J. Diaz-Gonzalez, M. Fernandez-Lopez, A. Guzman, F. Herpin, H. Liu, A. Lopez-Sepulcre, F. Louvet, L. Maud, F. Motte, F. Nakamura, T. Nony, F. A. Olguin, Y. Pouteau, **P. Sanhueza**, A. M. Stutz, and A. P. M. Towner, The ALMA-IMF Consortium, M. Armante, C. Battersby, L. Bronfman, J. Braine, N. Brouillet, E. Chapillon, J. Di Francesco, A. Gusdorf, N. Izumi, I. Joncour, X. Walker Lu, A. Men'shchikov, K. M. Menten, E. Moraux, J. Molet, L. Mundy, Q. Nguyen Luong, S. D. Reyes-Reyes, J. Robitaille, E. Rosolowsky, N. A. Sandoval-Garrido, B. Svoboda, K. Tatematsu, D. L. Walker, A. Whitworth, B. Wu, and F. Wyrowski, 2022, A&A, 662, A9, **(19 citations)**

70. ALMA-IMF. I. Investigating the origin of stellar masses: Introduction to the Large Program and first results
F. Motte, S. Bontemps, T. Csengeri, Y. Pouteau, F. Louvet, A. M. Stutz, N. Cunningham, A. Lopez-Sepulcre, N. Brouillet, R. Galvan-Madrid, A. Ginsburg, L. Maud, A. Men'shchikov, F. Nakamura, T. Nony, **P. Sanhueza**, R. H. Alvarez-Gutierrez, M. Armante, T. Baug, M. Bonfand, G. Busquet, E. Chapillon, D. Diaz-Gonzalez8, M. Fernandez-Lopez, A. E. Guzman, F. Herpin, H.-L. Liu, F. Olguin, A. P. M. Towner, J. Bally, C. Battersby, J. Braine, L. Bronfman, H.-R. V. Chen, P. Dell'Ova, J. Di Francesco, M. Gonzalez, A. Gusdorf, P. Hennebelle, N. Izumi, I. Joncour, Y.-N. Lee, B. Lefloch, P. Lesaffre, X. Lu, K. M. Menten, R. Mignon-Risse, J. Molet, E. Moraux, L. Mundy, Q. Nguyen Luong, N. Reyes, S. D. Reyes Reyes, J.-F. Robitaille, E. Rosolowsky, N. A. Sandoval-Garrido, F. Schuller, B. Svoboda, K. Tatematsu, B. Thomasson, D. Walker36, B. Wu, A. P. Whitworth, & F. Wyrowski, 2022, A&A, 662, A8 **(44 citations)**

69. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Deriving Inclination Angle and Velocity of the Protostellar Jets from Their SiO Knots
Kai-Syun Jhan, Chin-Fei Lee, Doug Johnstone, Tie Liu, Sheng-Yuan Liu, Naomi Hirano, Ken'ichi Tatematsu, Somnath Dutta, Anthony Moraghan, Hsien Shang, Jeong-Eun Lee, Shanghuo Li, Chun-Fan Liu, Shih-Ying Hsu, Woojin Kwon, Dipen Sahu, Xun-Chuan Liu, Kee-Tae Kim, Qiuyi Luo, Sheng-Li Qin, **Patricio Sanhueza**, Leonardo Bronfman, Zhang Qizhou, David Eden, Alessio Traficante, Chang Won Lee, and ALMASOP Team, 2022, ApJL, 931, L5 **(10 citations)**

68. Nobeyama Survey of Inward Motions toward Cores in Orion Identified by SCUBA-2
Ken'ichi Tatematsu, You-Ting Yeh, Naomi Hirano, Sheng-Yuan Liu, Tie Liu, Somnath Dutta, Dipen Sahu, Neal J. Evans, Mika Juvela, Hee-Weon Yi, Jeong-Eun Lee, **Patricio Sanhueza**, Shanghuo Li, David Eden, Gwanjeong Kim, Chin-Fei Lee, Yuefang Wu, Kee-Tae Kim, L. Viktor Toth, Minho Choi, Miju Kang, Mark A. Thompson, Gary A. Fuller, Di Li, Ke Wang, Takeshi Sakai, Ryo Kandori, Shih-Ying Hsu, Chau-Ching Chiong, JCMT Large Program "SCOPE" collaboration and "ALMASOP" collaboration, 2022, ApJ, 931, 33, **(2 citations)**

67. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): A Hot Corino Survey toward Protostellar Cores in the Orion Cloud
Shih-Ying Hsu, Sheng-Yuan Liu, Tie Liu, Dipen Sahu, Chin-Fei Lee, Kenichi Tatematsu, Kee-Tae Kim, Naomi Hirano, Yao-Lun Yang, Doug Johnstone, Hongli Liu, Mika Juvela, Leonardo Bronfman, Huei-Ru Vivien Chen, Somnath Dutta, David J. Eden, Kai-Syun Jhan, Yi-Jehng Kuan, Chang Won Lee, Jeong-Eun Lee, Shanghuo Li, Chun-Fan Liu, Sheng-Li Qin, **Patricio Sanhueza**, Hsien Shang, Archana Soam, Alessio Traficante, & Jianjun Zhou, 2022, ApJ, 927, 218, **(19 citations)**

66. The Magnetic Field in the Milky Way Filamentary Bone G47
Ian W. Stephens, Philip C. Myers, Catherine Zucker, James M. Jackson, B-G Andersson, Rowan

Smith, Archana Soam, Cara Battersby, **Patricio Sanhueza**, Taylor Hogge, Howard A. Smith, Giles Novak, Sarah Sadavoy, Thushara Pillai, Zhi-Yun Li, Leslie W. Looney, Koji Sugitani, Simon Coude, Andres Guzman, Alyssa Goodman, Takayoshi Kusune, Fabio P. Santos, Leah Zuckerman, & Frankie Encalada, ApJL, 926, L6. **(9 citations)**

65. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Detection of a Dense SiO Jet in the Evolved Protostellar Phase
Somnath Dutta, Chin-Fei Lee, Doug Johnstone, Tie Liu, Naomi Hirano, Sheng-Yuan Liu, Jeong-Eun Lee, Hsien Shang, Ken'ichi Tatematsu, Kee-Tae Kim, Dipen Sahu, **Patricio Sanhueza**, James Di Francesco, Kai-Syun Jhan, Chang Won Lee, Woojin Kwon, Shanghuo Li, Leonardo Bronfman, Hong-li Liu, Alessio Traficante, Yi-Jehng Kuan, Shih-Ying Hsu, Anthony Moraghan, Chun-Fan Liu, David Eden, Archana Soam, Qiuyi Luo, & ALMASOP Team, 925, 11 **(7 citations)**

64. Molecular Cloud Cores with High Deuterium Fractions: Nobeyama Mapping Survey
Ken'ichi Tatematsu, Gwanjeong Kim, Tie Liu, Neal J. Evans II, Hee-Weon Yi, Jeong-Eun Lee, YuefangWu, Naomi Hirano, Sheng-Yuan Liu, Somnath Dutta, Dipen Sahu, **Patricio Sanhueza**, Kee-Tae Kim, Mika Juvela, L. Viktor Toth, Orsolya Feher, Jinhua He, J. X. Ge, Siyi Feng, Minho Choi, Miju Kang, Mark A. Thompson, Gary A. Fuller, Di Li, Isabelle Ristorcelli, KeWang, James Di Francesco, David Eden, Satoshi Ohashi, Ryo Kandori, Charlotte Vastel, Tomoya Hirota, Takeshi Sakai, Xing Lu, Quang Nguyen Luong, Hiroko Shinnaga, Jungha Kim, and JCMT Large Program SCOPE" collaboration, ApJS, 256, 25 **(7 citations)**

63. Characterization of dense Planck clumps observed with Herschel and SCUBA-2
E. Mannfors, M. Juvela, L. Bronfman, D.J. Eden, Jinhua He, Gwanjeon Kim, Kee-Tae Kim, H. Kirppu, T. Liu, J. Montillaud, H. Parsons, **Patricio Sanhueza**, Hsien Shang, A. Soam, K. Tatematsu, A. Traficante, M. S. Vaisala, and Chang Won Lee, A&A, 654, A123 **(5 citations)**

62. The $C^{18}O$ core mass function toward Orion A: Single-dish observations
Hideaki Takemura, Fumitaka Nakamura, Shun Ishii, Yoshito Shimajiri, **Patricio Sanhueza**, Takashi Tsukagoshi, Ryohei Kawabe, Tomoya Hirota, and Akimasa Kataoka, PASJ, 73, 487 **(4 citations)**

61. A Low-mass Cold and Quiescent Core Population in a Massive Protocluster
Shanghuo Li, Xing Lu, Qizhou Zhang, Chang-Won Lee, **Patricio Sanhueza**, Henrik Beuther, Izaskun, Jimenez-Serra, Keping Qiu, Aina Palau, Siyi Feng, Thushara Pillai, Kee-Tae Kim, Hong-Li Liu, Josep Miquel Girart, Tie Liu, Junzhi Wang, Ke Wang, Hauyu Baobab Liu, Howard A. Smith, Di Li, Jeong-Eun Lee, Fei Li, Juan Li, Shinyoung Kim, Nannan Yue, and Shaye Strom, ApJL, 912, L7 **(14 citations)**

60. The Core Mass Function in the Orion Nebula Cluster Region: What Determines the Final Stellar Masses?
Hideaki Takemura, Fumitaka Nakamura, Shuo Kong, Hector G. Arce, John M. Carpenter, Volker Ossenkopf-Okada, Ralf Klessen, **Patricio Sanhueza**, Yoshito Shimajiri, Takashi Tsukagoshi, Ryohei Kawabe, Shun Ishii, Kazuhito Dobashi, Tomomi Shimoikura, Paul F. Goldsmith, Alvaro Sanchez-Monge, Jens Kauffmann, Thushara Pillai, Paolo Padoan, Adam Ginsberg, Rowan J. Smith, John Bally, Steve Mairs, Jaime E. Pineda, Dariusz C. Lis, Blakesley Burkhart, Peter Schilke, Hope How-Huan Chen, Andrea Isella, Rachel K. Friesen, Alyssa A. Goodman, and Doyal A. Harper, 2021, ApJL, 910, L6 **(16 citations)**

59. Cloud structures in M 17 SWex: Possible cloud-cloud collision
Shinichi W. Kinoshita, Fumitaka Nakamura, Quang Nguyen-Luong, Benjamin Wu, Tomomi Shimoikura, Koji Sugitani, Kazuhito Dobashi, Hideaki Takemura, **Patricio Sanhueza**, Kee-Tae

Kim, Hyunwoo Kang, Neal J. Evans, Glenn J. White, & Cassandra Fallscheer, 2020, PASJ, 73, S300 **(7 citations)**

58. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Detection of Extremely High-density Compact Structure of Prestellar Cores and Multiple Substructures Within
Dipen Sahu, Sheng-Yuan Liu, Tie Liu, Neal J. Evans II, Naomi Hirano, Ken'ichi Tatematsu, Chin-Fei Lee, Kee-Tae Kim, Somnath Dutta, Dana Alina, Leonardo Bronfman, Maria Cunningham, David J. Eden, Guido Garay, Paul F. Goldsmith, Jinhua He, Shih-Ying Hsu, Kai-Syun Jhan, Doug Johnstone, Mika Juvela, Gwanjeong Kim, Yi-Jehng Kuan, Woojin Kwon, Chang Won Lee, Jeong-Eun Lee, Di Li, Pak Shing Li, Shanghuo Li, Qiu-Yi Luo, Julien Montillaud, Anthony Moraghan, Veli-Matti Pelkonen, Sheng-Li Qin, Isabelle Ristorcelli, **Patricio Sanhueza**, Hsien Shang, Zhi-Qiang Shen, Archana Soam, Yuefang Wu, Qizhou Zhang, and Jianjun Zhou, ApJL, 907, L15 **(23 citations)**

57. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP). II. Survey Overview: A First Look at 1.3 mm Continuum Maps and Molecular Outflows
Somnath Dutta, Chin-Fei Lee, Tie Liu, Naomi Hirano, Sheng-Yuan Liu, Ken'ichi Tatematsu, Kee-Tae Kim, Hsien Shang, Dipen Sahu, Gwanjeong Kim, Anthony Moraghan, Kai-Syun Jhan, Shih-Ying Hsu, Neal J. Evans, Doug Johnstone, Derek Ward-Thompson, Yi-Jehng Kuan, Chang Won Lee, Jeong-Eun Lee, Alessio Traficante, Mika Juvela, Charlotte Vastel, Qizhou Zhang, **Patricio Sanhueza**, Archana Soam, Woojin Kwon, Leonardo Bronfman, David Eden, Paul F. Goldsmith, Jinhua He, Yuefang Wu, Veli-Matti Pelkonen, Sheng-Li Qin, Shanghuo Li, and Di Li, 2020, ApJS, 251, 20 **(28 citations)**

56. Characterizing [C II] Line Emission in Massive Star-forming Clumps
James M. Jackson, David Allingham, Nicholas Killerby-Smith, J. Scott Whitaker, Howard A. Smith, Yanett Contreras, Andrés E. Guzmán, Taylor Hogge, **Patricio Sanhueza**, and Ian W. Stephens, 2020, ApJ, 904, 18 **(0 citations)**

55. Confirming the Explosive Outflow in G5.89 with ALMA
Luis A. Zapata, Paul T. P. Ho, Manuel Fernandez-Lopez, Estrella Guzman Ccolque, Luis F. Rodríguez, Jose Reyes-Valdes, John Bally, Aina Palau, Masao Saito, **Patricio Sanhueza**, P. R. Rivera-Ortiz, and A. Rodriguez-Gonzalez, 2020, ApJL, 902, L47 **(16 citations)**

54. The chemical structure of young high-mass star-forming clumps: (II) parsec-scale CO depletion and deuterium fraction of HCO^+
S. Feng, D. Li, P. Caselli, F. Du, Y. Lin, O. Sipila, H. Beuther, **Patricio Sanhueza**, K. Tatematsu, S. Y. Liu, Q. Zhang, Y. Wang, T. Hogge, I. Jimenez-Serra, X. Lu, T. Liu, K. Wang, Z. Y. Zhang, S. Zahorecz, G. Li, H. B. Liu, & J. Yuan, 2020, ApJ, 901, 145 **(15 citations)**

53. Molecular Cloud Cores with High Deuterium Fraction: Nobeyama Single-Pointing Survey
Gwanjeong Kim, Kenichi Tatematsu, Tie Liu, Miss Hee-Weon Yi, Jinhua He, Naomi Hirano, Sheng-Yuan Liu, Minho Choi, **Patricio Sanhueza**, L. Viktor Toth, Neal J. Evans, Siyi Feng, Mika Juvela, Kee-Tae Kim, Charlotte Vastel, Jeong-Eun Lee, Quang Nguyn-Lu'o'ng, Miju Kang, Isabelle Ristorcelli, O. Fehér, Yuefang Wu, Satoshi Ohashi, Ke Wang, Ryo Kandori, Tomoya Hirota, Takeshi Sakai, Xing Lu, Mark A. Thompson, Gary A. Fuller, Di Li, Hiroko Shinnaga, & Jungha Kim, 2020, ApJS, 249, 33 **(18 citations)**

52. ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): I. Detection of New Hot Corinos with ACA
Shih-Ying Hsu, Sheng-Yuan Liu, Tie Liu, Dipen Sahu, Naomi Hirano, Chin-Fei Lee, Kenichi Tatematsu, Gwanjeong Kim, Mika Juvela, **Patricio Sanhueza**, Jinhua He, Doug Johnstone, Sheng-Li Qin, Leonardo J. Bronfman, Huei-Ru Chen, Somnath Dutta, David Eden, Kai-Syun Jhan, Kee-Tae Kim, Yi-Jehng Kuan, Woojin Kwon, Chang Won Lee, Jeong-Eun Lee, Anthony

Moraghan, Mark Rawlings, Hsien Shang, Archana Soam, Mark Thompson, Alessio Traficante, Yuefang Wu, Yao-Lun Yang, & Qizhou Zhang, 2020, ApJ, 898, 107 **(18 citations)**

51. ALMA ACA and Nobeyama Observations of Two Orion Cores in Deuterated Molecular Lines
Ken'ichi Tatematsu, Tie Liu, Gwanjeong Kim, Hee-Weon Yi, Jeong-Eun Lee, Naomi Hirano, Sheng-Yuan Liu, Satoshi Ohashi, **Patricio Sanhueza**, James Di Francesco, Neal J. Evans II, Gary A. Fuller, Ryo Kandori, Minho Choi, Miju Kang, Siyi Feng, Tomoya Hirota, Takeshi Sakai, Xing Lu, Quang Nguyen Luong, Mark A. Thompson, Yuefang Wu, Di Li, Kee-Tae Kim, Ke Wang, Isabelle Ristorcelli, Mika Juvela, & L. Viktor Toth, 2020, ApJ, 895, 119 **(15 citations)**

50. Effect of Feedback of Massive Stars in the Fragmentation, Distribution, and Kinematics of the Gas in Two Star-forming Regions in the Carina Nebula
David Rebolledo, Andres E. Guzman, Yanett Contreras, Guido Garay, S.-N. X. Medina, **Patricio Sanhueza**, Anne J. Green, Camila Castro, Viviana Guzmán, & Michael G. Burton 2020, ApJ, 891, 113 **(11 citations)**

49. Large-scale Molecular Gas Distribution in the M17 Cloud Complex: Dense Gas Conditions of Massive Star Formation?
Quang Nguyen-Luong, Fumitaka Nakamura, Koji Sugitani, Tomomi Shimoikura, Kazuhito Dobashi, Shinichi W. Kinoshita, Kee-Tae Kim, Hynwoo Kang, **Patricio Sanhueza**, Neal J. Evans II, & Glenn J. White, 2020, ApJ, 891, 66 **(16 citations)**

48. Nobeyama 45-m Mapping Observations toward Nearby Molecular Clouds, Orion A, Aquila Rift, and M17: Project Overview
Fumitaka Nakamura, Shun Ishii, Kazuhito Dobashi, Tomomi Shimoikura, Yoshito Shimajiri, Ryohei Kawabe, Yoshihiro Tanabe, Asha Hirose, Shuri Oyamada, Yumiko Urasawa, Hideaki Takemura, Munetake Momose, Koji Sugitani, Ryoichi Nishi, Sachiko Okumura, **Patricio Sanhueza**, Quang Nygen-Luong, & Takayoshi Kusune, 2019, PASJ,71, S3 **(32 citations)**

47. The Interaction between the Supernova Remnant W41 and the Filamentary Infrared Dark Cloud G23.33-0.30
Taylor G. Hogge, James M. Jackson, David Allingham, Andres E. Guzman, Nicholas Killerby-Smith, Kathleen E. Kraemer, **Patricio Sanhueza**, Ian W. Stephens, & J. Scott Whitaker. 2019, ApJ, 887, 79 **(6 citations)**

46. Multi-Scale Analysis of the Monoceros OB 1 Star-Forming Region: I The Dense Core Population
Julien Montillaud, Mika Juvela, Charlotte Vastel, J.H. He, Tie Liu, Isabelle Ristorcelli, David J. Eden, Sung-ju Kang, Kee-Tae Kim, Patrick M. Koch, Chang Won Lee, Mark G. Rawlings, Mika Saajasto, **Patricio Sanhueza**, Archana Soam, Sarolta Zahorecz, Dana Alina, Rebeka Bogner, David Cornu, Yasuo Doi, Johanna Malinen, Douglas Marshall, E. R. Micelotta, V.M. Pelkonen, L. V. Toth, A. Traficante, & Ke Wang, 2019, A&A, 631, L1 **(9 citations)**

45. Multi-Scale Analysis of the Monoceros OB 1 Star-Forming Region: II Colliding Filaments in the Monoceros OB1 Molecular Cloud
Julien Montillaud, Mika Juvela, Charlotte Vastel, J.H. He, Tie Liu, Isabelle Ristorcelli, David J. Eden, Sung-ju Kang, Kee-Tae Kim, Patrick M. Koch, Chang Won Lee, Mark G. Rawlings, Mika Saajasto, **Patricio Sanhueza**, Archana Soam, Sarolta Zahorecz, Dana Alina, Rebeka Bogner, David Cornu, Yasuo Doi, Johanna Malinen, Douglas Marshall, E. R. Micelotta, V.M. Pelkonen, L. V. Toth, A. Traficante, and Ke Wang, 2019, A&A, 631, A3 **(23 citations)**

44. KFPA Examinations of Young STellar Object Natal Environments (KEYSTONE): Hierarchical Ammonia Structures in Galactic Giant Molecular Clouds
Jared Keown, James Di Francesco, Erik Rosolowsky, Ayushi Singh, Charles Figura, Helen Kirk, L. D. Anderson, Michael Chun-Yuan Chen, Davide Elia, Rachel Friesen, Adam Ginsburg, A.

Marston, Stefano Pezzuto, Eugenio Schisano, Sylvain Bontemps, Paola Caselli, Hong-Li Liu, Steven Longmore, Frederique Motte, Philip C. Myers, Stella S. R. Offner, **Patricio Sanhueza**, Nicola Schneider, Ian Stephens, James Urquhart, & the KEYSTONE collaboration, 2019, ApJ, 884, 4 **(27 citations)**

43. Magnetic Fields in the Infrared Dark Cloud G34.43+0.24
Archana Soam, Tie Liu, B-G Andersson, Chang Won Lee, Junhao Liu, Mika Juvela, Pak Shing Li, Paul F. Goldsmith, Qizhou Zhang, Patrick M. Koch, Kee-Tae Kim, Keping Qiu, Neal J. Evans II, Doug Johnstone, Mark Thompson, Derek Ward-Thompson, James Di Francesco, Ya-Wen Tang, Julien Montillaud, Gwanjeong Kim, Steve Mairs, **Patricio Sanhueza**, Shinyoung Kim, David Berry, Michael S. Gordon, Ken?ichi Tatematsu, Sheng-Yuan Liu, Kate Pattle, David Eden, Peregrine M. McGehee, Ke Wang, I. Ristorcelli, Sarah F. Graves, Dana Alina, Kevin M. Lacaille, Ludovic Montier, Geumsook Park, Woojin Kwon, Eun Jung Chung, Veli-Matti Pelkonen, Elisabetta R. Micelotta, Mika Saajasto, & Gary Fuller,2019, ApJ, 883, 95 **(42 citations)**

42. G5.89: an explosive outflow powered by a proto-stellar merger?
Luis A. Zapata, Paul T. P. Ho, Estrella Guzman-Ccolque, Manuel Fernandez-Lopez, Luis F. Rodriguez, John Bally, **Patricio Sanhueza**, Aina Palau, Masao Saito, 2019, MNRAS, 486, L15 **(10 citations)**

41. Submillimeter Continuum Variability in Planck Galactic Cold Clumps
Geumsook Park, Kee-Tae Kim, Doug Johnstone, Sung-ju Kang, Tie Liu, Steve Mairs, Minho Choi, Jeong-Eun Lee, **Patricio Sanhueza**, Mika Juvela, Miju Kang, David Eden, Archana Soam, Julien Montillaud, Gary Fuller, Patrick M. Koch, Chang Won Lee, Dimitris Stamatellos, Jonathan Rawlings, Gwanjeong Kim, Chuan-Peng Zhang, Woojin Kwon, & Hyunju Yoo, 2019, ApJS, 242, 27 **(3 citations)**

40. SCOPE: SCUBA-2 Continuum Observations of Pre-protostellar Evolution - Survey Description and Compact Source Catalogue
D. J. Eden, Tie Liu, Kee-Tae Kim, M. Juvela, S.-Y. Liu, K. Tatematsu, J. Di Francesco, K. Wang,Y. Wu, M.A. Thompson, G.A. Fuller, Di Li, I. Ristorcelli, Sung-ju Kang, N. Hirano, D. Johnstone, Y. Lin, J.H. He, P.M. Koch, **Patricio Sanhueza**, S.-L. Qin, Q. Zhang, P.F. Goldsmith, N.J. Evans II, J. Yuan, C.-P. Zhang, G.J. White, Minho Choi, Chang Won Lee, L.V. Toth, S. Mairs, H.-W. Yi, M. Tang, A. Soam, N. Peretto, M.R. Samal, M. Fich, H. Parsons, J. Malinen, G.J. Bendo,A. Rivera-Ingraham, H.-L. Liu, J. Wouterloot, P.S. Li, L. Qian, J. Rawlings, M.G. Rawlings, S. Feng, B. Wang, Dalei Li, M. Liu, G. Luo, A.P. Marston, K.M. Pattle, V.-M. Pelkonen, A.J. Rigby, S. Zahorecz, G. Zhang, R. Bogner, Y. Aikawa, S. Akhter, D. Alina, G. Bell, J.-P. Bernard, A. Blain, L. Bronfman, D.-Y. Byun, S. Chapman, H.-R. Chen, M. Chen, W.-P. Chen, X. Chen, Xuepeng Chen, A. Chrysostomou, Y.-H. Chu, E.J. Chung, D. Cornu, G. Cosentino, M.R. Cunningham, K. Demyk, E. Drabek-Maunder, Y. Doi, C. Eswaraiah, E. Falgarone, O. Fehér, H. Fraser, P. Friberg, , G. Garay, J.X. Ge, W.K. Gear, J. Greaves, X. Guan, L. Harvey-Smith, T. Hasegawa, Y. He, C. Henkel, T. Hirota, W. Holland, A. Hughes, E. Jarken, T.-G. Ji, I. Jimenez-Serra, Miju Kang, K.S. Kawabata, Gwanjeong Kim, Jungha Kim, Jongsoo Kim, S. Kim, B.-C. Koo, Woojin Kwon, Y.-J. Kuan, K.M. Lacaille, S.-P. Lai, C.F. Lee, J.-E. Lee, Y.-U. Lee, H. Li, N. Lo, J.A.P. Lopez, X. Lu, A.-R. Lyo, D. Mardones, P. McGehee, F. Meng, L. Montier, J. Montillaud, T.J.T. Moore, O. Morata, G.H. Moriarty-Schieven, S. Ohashi, S. Pak, Geumsook Park, R. Paladini, G. Pech, K. Qiu, Z.-Y. Ren, J. Richer, T. Sakai, H. Shang, H. Shinnaga, D. Stamatellos, Y.-W. Tang, A. Traficante, C. Vastel, S. Viti, A. Walsh, H. Wang, J. Wang, D. Ward-Thompson, A. Whitworth, C.D. Wilson, Y. Xu, J. Yang, Y.-L. Yuan, L. Yuan, A. Zavagno, C. Zhang, G. Zhang, H.-W. Zhang, C. Zhou, J. Zhou, L. Zhu, & P. Zuo, 2019, MNRAS, 485, 2895 **(30 citations)**

39. Filamentary Accretion Flows in the Infrared Dark Cloud G14.225-0.506 Revealed by ALMA
Huei-Ru Vivien Chen, Qizhou Zhang, M. C. H. Wright, Gemma Busquet, Yuxin Lin, Hauyu

Baobab Liu, F. A. Olguin, **Patricio Sanhueza**, Fumitaka Nakamura, Aina Palau, Satoshi Ohashi, Ken'ichi Tatematsu, & Li-Wen Liao, 2019, ApJ, 875, 24 **(70 citations)**

38. Massive and Low-Mass Protostars in Massive "Starless" Cores
Thushara Pillai, Jens Kauffmann, Qizhou Zhang, **Patricio Sanhueza**, Silvia Leurini, Ke Wang, T.K. Sridharan, & Carsten König, 2019, A&A, 622, A54 **(37 citations)**

37. Asymmetric Line Profiles in Dense Molecular Clumps Observed in MALT90: Evidence for Global Collapse
James M. Jackson, J. Scott Whitaker, J. M. Rathborne, J. B. Foster, Y. Contreras, **Patricio Sanhueza**, Ian W. Stephens, S. N. Longmore, & David Allingham, 2019, ApJ, 870, 5 **(23 citations)**

36. G337.342-0.119 (the "Pebble"): A Cold, Dense, High-Mass Molecular Cloud with Unusually Large Line Widths and a Candidate High-Mass Star Cluster Progenitor
James M. Jackson, Yanett Contreras, Jill M. Rathborne, J. Scott Whitaker, Andres Guzman, Ian W. Stephens, **Patricio Sanhueza**, Steven Longmore, Qizhou Zhang, & David Allingham, 2018, ApJ, 869, 102 **(6 citations)**

35. Dust Spectrum and Polarisation at 850 μm in the Massive IRDC G035.39-00.33
Mika Juvela, Vincent Guillet, Tie Liu, Isabelle Ristorcelli, Veli-Matti Pelkonen, Dana Alina, Leonardo Bronfman, David J. Eden, Kee Tae Kim, Patrick M. Koch, Woojin Kwon, Chang Won Lee, Johanna Malinen, Elisabetta Micelotta, Julien Montillaud, Mark G. Rawlings, **Patricio Sanhueza**, Archana Soam, Alessio Traficante, Nathalie Ysard, & Chuan-Peng Zhang, 2018, A&A, 620, A26 **(25 citations)**

34. Interferometric Observations of Cyanopolyynes toward the G28.28-0.36 High-Mass Star-Forming Region
Kotomi Taniguchi, Yusuke Miyamoto, Masao Saito, **Patricio Sanhueza**, Tomomi Shimoikura, Kazuhito Dobashi, Fumitaka Nakamura, & Hiroyuki Ozeki, 2018, ApJ, 866, 32 **(15 citations)**

33. The Radio Ammonia Mid-Plane Survey (RAMPS) Pilot Survey
Taylor Hogge, James Jackson, Ian Stephens, Scott Whitaker, Jonathan Foster, Matthew Camarata, D. Anish Roshi, James Di Francesco, Steven Longmore, Robert Loughnane, Toby Moore, Jill Rathborne, **Patricio Sanhueza**, & Andrew Walsh, 2018, ApJS, 237, 27 **(14 citations)**

32. Planck Cold Clumps in the λ Orionis Complex. II. Environmental Effects on Core Formation
Hee-Weon Yi, Jeong-Eun Lee, Tie Liu, Kee-Tae Kim, Minho Choi, David Eden, Neal J. Evans II, James Di Francesco, Gary Fuller, N. Hirano, Mika Juvela, Sung-ju Kang, Gwanjeong Kim, Patrick M. Koch, Chang Won Lee, Di Li, H.-Y. B. Liu, Hong-Li Liu, Sheng-Yuan Liu, Mark G. Rawlings, I. Ristorcelli, **Patricio Sanhueza**, Archana Soam, Ken'ichi Tatematsu, Mark Thompson, L. V. Toth, Ke Wang, Glenn J. White, Yuefang Wu, Yao-Lun Yang, & the JCMT Large Program "SCOPE" Collaboration; TRAO Key Science Program "TOP" Collaboration, 2018, ApJS, 236, 51 **(27 citations)**

31. The TOP-SCOPE Survey of PGCCs: PMO and SCUBA-2 Observations of 64 PGCCs in the Second Galactic Quadrant
Chuan-Peng Zhang, Tie Liu, Jinghua Yuan, **Patricio Sanhueza**, Alessio Traficante, Guang-Xing Li, Di Li, Ken'ichi Tatematsu, Ke Wang, Chang Won Lee, Manash R. Samal, David Eden, Anthony Marston, Xiao-Lan Liu, Jian-Jun Zhou, Pak Shing Li, Patrick M. Koch, Jin-Long Xu, Yuefang Wu, Mika Juvela, Tianwei Zhang, Dana Alina, Paul F. Goldsmith, L. V. Toth, Jun-Jie Wang, & Kee-Tae Kim, 2018, ApJ, 236, 49 **(14 citations)**

30. A Holistic Perspective on the Dynamics of G035.39-00.33: The Interplay between Gas and Magnetic Fields

Tie Liu, Pak Shing Li, Mika Juvela, Kee-Tae Kim, Neal J. Evans II, James Di Francesco, Sheng-Yuan Liu, Jinghua Yuan, Ken'ichi Tatematsu, Qizhou Zhang, Derek Ward-Thompson, Gary Fuller, Paul F. Goldsmith, P. M. Koch, **Patricio Sanhueza**, I. Ristorcelli, Sung-ju Kang, Huei-Ru Chen, N. Hirano, Yuefang Wu, Vlas Sokolov, Chang Won Lee, Glenn J. White, Ke Wang, David Eden, Di Li, Mark Thompson, Kate M Pattle, Archana Soam, Evert Nasedkin, Jongsoo Kim, Gwanjeong Kim, Shih-Ping Lai, Geumsook Park, Keping Qiu, Chuan-Peng Zhang, Dana Alina, Chakali Eswaraiah, Edith Falgarone, Michel Fich, Jane Greaves, Q.-L. Gu, Woojin Kwon, Hua-bai Li, Johanna Malinen, Ludovic Montier, Harriet Parsons, Sheng-Li Qin, Mark G. Rawlings, Zhi-Yuan Ren, Mengyao Tang, Y.-W. Tang, L. V. Toth, Jiawei Wang, Jan Wouterloot, H.-W. Yi, & H.-W. Zhang, 2018, ApJ, 859, 151 **(66 citations)**

29. ALMA Observations of the IRDC Clump G34.43+00.24 MM3: Complex Organic and Deuterated Molecules
Takeshi Sakai, Takahiro Yanagida, Kenji Furuya, Yuri Aikawa, **Patricio Sanhueza**, Nami Sakai, Tomoya Hirota, James M. Jackson, & Satoshi Yamamoto, 2018, ApJ, 857, 35 **(18 citations)**

28. The Properties of Planck Galactic Cold Clumps in the L1495 Dark Cloud
Mengyao Tang, Tie Liu, Sheng-Li Qin, Kee-Tae Kim, Yuefang Wu, Ken'ichi Tatematsu, Jinghua Yuan, Ke Wang, Harriet Parsons, Patrick M. Koch, **Patricio Sanhueza**, D. Ward-Thompson, L. Viktor Toth, Archana Soam, Chang Won Lee, David Eden, James Di Francesco, Jonathan Rawlings, Mark G. Rawlings, Julien Montillaud, Chuan-Peng Zhang, & M. R. Cunningham, 2018, ApJ, 856, 141 **(21 citations)**

27. Filamentary Fragmentation and Accretion in High-Mass Star-Forming Molecular Clouds
Xing Lu, Qizhou Zhang, Hauyu Baobab Liu, **Patricio Sanhueza**, Ken'ichi Tatematsu, Siyi Feng, Howard A. Smith, Philip C. Myers, T. K. Sridharan, & Qiusheng Gu, 2018, ApJ, 855, 9 **(92 citations)**

26. The TOP-SCOPE Survey of Planck Galactic Cold Clumps: Survey Overview and Results of an Exemplar Source, PGCC G26.53+0.17
Tie Liu, Kee-Tae Kim, Mika Juvela, Ke Wang, James Di Francesco, Yuefang Wu, Ken'ichi Tatematsu, Sheng-Yuan Liu, Mark Thompson, Gary Fuller, David Eden, Di Li, I. Ristorcelli, Sung-ju Kang, Yuxin Lin, D. Johnstone, J. H. He, P. Koch, **Patricio Sanhueza**, Sheng-Li Qin, Q. Zhang, N. Hirano, Paul F. Goldsmith, Neal J. Evans II, Glenn J. White, Chang Won Lee, Steve Mairs, H.-W. Yi, Mengyao Tang, Archana Soam, N. Peretto, Manash Samai, Michel Fich, H.-Y. B. Liu, Harriet Parsons, Jinghua Yuan, Chuan-Peng Zhang, Johanna Malinen, George J. Bendo, A. Rivera-Ingraham, Hong-Li Liu, Jan Wouterloot, Pak Shing Li, Lei Qian, Jonathan Rawlings, Mark G. Rawlings, Yuri Aikawa, S. Akhter, Dana Alina, Graham Bell, J.-P. Bernard, Andrew Blain, L. Bronfman, D.-Y. Byun, Scott Chapman, Huei-Ru Chen, M. Chen, WenPing Chen, X. Chen, Xuepeng Chen, Minho Choi, A. Chrysostomou, Y.-H. Chu, Giuliana Cosentino, M.R. Cunningham, K. Demyk, Emily Drabek-Maunder, Yasuo Doi, C. Eswaraiah, Edith Falgarone, Siyi Feng, Helen Fraser, Per Friberg, G. Garay, J. X. Ge, W.K. Gear, Jane Greaves, X. Guan, Lisa Harvey-Smith, Tetsuo Hasegawa, J. Hatchell, Yuxin He, C. Henkel, T. Hirota, W. Holland, A. Hughes, E. Jarken, Tae-Geun Ji, Izaskun Jimenez-Serra, Miju Kang, Koji S. Kawabata, Gwanjeong Kim, Jungha Kim, Jongsoo Kim, Shinyoung Kim, B.-C. Koo, Woojin Kwon,Yi-Jehng Kuan, K. M. Lacaille, S.-P. Lai, C. F. Lee, J.-E. Lee, Y.-U. Lee, Dalei Li, Hua-bai Li, N. Lo, John A. P. Lopez, Xing Lu, A-Ran Lyo, D. Mardones, A. Marston, P. McGehee, F. Meng, L. Montier, Julien Montillaud, T. Moore, O. Morata, Gerald H. Moriarty-Schieven, S. Ohashi, Soojong Pak, R. Paladini, Katherine M Pattle, Gerardo Pech, V.-M. Pelkonen, K. Qiu, Zhi-Yuan Ren, John Richer, M. Saito, Takeshi Sakai, H. Shang, Hiroko Shinnaga, Dimitris Stamatellos, Y.-W. Tang, L. V. Toth, Alessio Traficante, S. Viti, Andrew Walsh, Bingru Wang, Hongchi Wang, D. Ward-Thompson, Anthony Whitworth, J. Yang, Yao-Lun Yang, Lixia Yuan, A. Zavagno, Guoyin Zhang, H.-W. Zhang, Chenlin Zhou, Jianjun Zhou, Lei Zhu, Pei Zuo, & Chao Zhang, 2018, ApJS, 234, 28 **(55 citations)**

25. SMA Observations of the Hot Molecular Core IRAS 18566+0408
Andrea Silva, Qizhou Zhang, **Patricio Sanhueza**, Xing Lu, Maria T. Beltran, Cassandra Fallscheer, Henrik Beuther, T. K. Sridharan, & Riccardo Cesaroni, 2017, ApJ, 847, 87 **(11 citations)**

24. MALT90 Kinematic Distances to Dense Molecular Clumps
J. Scott Whitaker, James M. Jackson, Jill M. Rathborne, Jonathan B. Foster, Yanett Contreras, **Patricio Sanhueza**, Ian W. Stephens, & Steve N. Longmore, 2017, AJ, 154, 140 **(24 citations)**

23. Characterizing the Properties of Cluster Precursors in the MALT90 Survey
Yanett Contreras, Jill M. Rathborne, Andres Guzman, James M. Jackson, Scott Whitaker, **Patricio Sanhueza**, & Jonathan Foster, 2017, MNRAS, 466, 340 **(38 citations)**

22. Astrochemical Properties of Planck Cold Clumps
Ken'ichi Tatematsu, Tie Liu, Satoshi Ohashi, **Patricio Sanhueza**, Quang Nguyen Luong, Tomoya Hirota, Sheng-Yuan Liu, Naomi Hirano, Minho Choi, Miju Kang, Mark A. Thompson, Gary Fuller, Yuefang Wu, Di Li, James Di Francesco, Kee-Tae Kim, Ke Wang, Isabelle Ristorcelli, Mika Juvela, Hiroko Shinnaga, Maria Cunningham, Masao Saito, Jeong-Eun Lee, L. Viktor Toth, Jinhua He, Takeshi Sakai, Jungha Kim, JCMT Large Program "SCOPE" Collaboration, & TRAO Key Science Program "TOP" Collaboration, 2017, ApJS, 228, 12 **(44 citations)**

21. The Scaling Relations and Star Formation Laws of Mini-starburst Complexes
Quang Nguyen-Luong, Hans V. V. Nguyen, Frederique Motte, Nicola Schneider, Michiko Fujii, Fabien Louvet, Tracey Hill, **Patricio Sanhueza**, James O. Chibueze, & Pierre Didelon, 2016, ApJ, 833, 23 **(39 citations)**

20. Molecular Line Emission Towards High-Mass Clumps: The MALT90 Catalogue
J. M. Rathborne, J. S. Whitaker, J. M. Jackson, J. B. Foster, Y. Contreras, I. W. Stephens, A. E. Guzman, S. N. Longmore, **P. Sanhueza**, F. Schuller, F. Wyrowski, & J. S. Urquhart, 2016, PASA, 33, e030 **(43 citations)**

19. Detection of a turbulent gas component associated with a starless core with subthermal turbulence in the Orion A cloud
Satoshi Ohashi, Ken'ichi Tatematsu, **Patricio Sanhueza**, Quang Nguyen Luong, Tomoya Hirota, Minho Choi, & Norikazu Mizuno, 2016, MNRAS, 459, 4130 **(5 citations)**

18. Linking Dense Gas from the Milky Way to External Galaxies
Ian W. Stephens, James M. Jackson, J. Scott Whitaker, Yanett Contreras, Andres E. Guzman, **Patricio Sanhueza**, Jonathan B. Foster, & Jill M. Rathborne, 2016, ApJ, 824, 29 **(43 citations)**

17. Angular Momentum of the N_2H^+ Cores In the Orion A Cloud
Ken'ichi Tatematsu, Satoshi Ohashi, **Patricio Sanhueza**, Quang Nguyen Luong, Tomofumi Umemoto, Norikazu Mizuno, 2016, PASJ, 68, 24 **(36 citations)**

16. Chemical Evolution of the HC_3N and N_2H^+ Molecules in Dense Cores of the Vela C Giant Molecular Cloud Complex
Satoshi Ohashi, Ken'ichi Tatematsu, Kosuke Fujii, **Patricio Sanhueza**, Quang Nguyen Luong, Minho Choi, Tomoya Hirota, & Norikazu Mizuno, 2016, PASJ, 68, 3 **(10 citations)**

15. Fragmentation in Filamentary Molecular Clouds
Yanett Contreras, Jill M. Rathborne, Guido Garay, & **Patricio Sanhueza**, 2016, MNRAS, 456, 2041 **(52 citations)**

14. Planck Cold Clumps in the λ Orionis Complex. I. Discovery of an Extremely Young Class 0 Protostellar Object and a Proto-brown Dwarf Candidate in the Bright-rimmed Clump PGCC G192.32-11.88

Tie Liu, Qizhou Zhang, Kee-Tae Kim, Yuefang Wu, Chang Won Lee, Jeong-Eun Lee, Ken?ichi Tatematsu, Minho Choi, Mika Juvela, Mark Thompson, Paul F. Goldsmith, Sheng-yuan Liu, Hirano Naomi, Patrick Koch, Christian Henkel, **Patricio Sanhueza**, JinHua He, Alana Rivera-Ingraham, Ke Wang, Maria R. Cunningham, Ya-Wen Tang, Shih-Ping Lai, Jinghua Yuan, Di Li, Gary Fuller, Miju Kang, Quang Nguyen Luong, Hauyu Baobab Liu, Isabelle Ristorcelli, Ji Yang, Ye Xu, Tomoya Hirota, Diego Mardones, Sheng-Li Qin, Huei-Ru Chen, Woojin Kwon, FanYi Meng, Huawei Zhang, Mi-Ryang Kim, & Hee-Weon Yi, 2016, ApJS, 222, 7 **(33 citations)**

13. Sgr B2(N): A Bipolar Outflow and Rotating Hot Core Revealed by ALMA
Aya E. Higuchi, Tetsuo Hasegawa, Kazuya Saigo, **Patricio Sanhueza**, & James O. Chibueze, 2015, ApJ, 815, 106 **(21 citations)**

12. The 2014 ALMA Long Baseline Campaign: First Results from High Angular Resolution Observations toward the HL Tau Region
ALMA Partnership, C. L. Brogan, L. M. Perez, T. R. Hunter, W. R. F. Dent, A. S. Hales, R. E. Hills, S. Corder, E. B. Fomalont, C. Vlahakis, Y. Asaki, D. Barkats, A. Hirota, J. A. Hodge, C. M. V. Impellizzeri, R. Kneissl, E. Liuzzo, R. Lucas, N. Marcelino, S. Matsushita, K. Nakanishi, N. Phillips, A. M. S. Richards, I. Toledo, R. Aladro, D. Broguiere, J. R. Cortes, P. C. Cortes, D. Espada, F. Galarza, D. Garcia-Appadoo, L. Guzman-Ramirez, E. M. Humphreys, T. Jung, S. Kameno, R. A. Laing, S. Leon, G. Marconi, A. Mignano, B. Nikolic, L.-A Nyman, M. Radiszcz, A. Remijan, J. A. Rodon, T. Sawada, S. Takahashi, R. P. J. Tilanus, B. Vila Vilaro, L. C. Watson, T. Wiklind, E. Akiyama, E. Chapillon, I. de Gregorio-Monsalvo, J. Di Francesco, F. Gueth, A. Kawamura, C.-F Lee, Q. Nguyen Luong, J. Mangum, V. Pietu, **P. Sanhueza**, K. Saigo, S. Takakuwa, C. Ubach, T. van Kempen, A. Wootten, A. Castro-Carrizo, H. Francke, J. Gallardo, J. Garcia, S. Gonzalez, T. Hill, T. Kaminski, Y. Kurono, H.-Y Liu, C. Lopez, F. Morales, K. Plarre, G. Schieven, L. Testi, L. Videla, E. Villard, P. Andreani, J. E. Hibbard, & K. Tatematsu, 2015, ApJL, 808, L3 **(1228 citations)**

11. ALMA Observations of the IRDC Clump G34.43+00.24 MM3: DNC/HNC Ratio
Takeshi Sakai, Nami Sakai, Kenji Furuya, Yuri Aikawa, Tomoya Hirota, Jonathan B. Foster, **Patricio Sanhueza**, James M. Jackson, & Satoshi Yamamoto, 2015, ApJ, 803, 70 **(14 citations)**

10. Interferometric Observations of High-Mass Star-Forming Clumps With Unusual $N2H^+/HCO^+$ Line Ratios
Ian W. Stephens, James M. Jackson, **Patricio Sanhueza**, J. Scott Whitaker, Sadia Hoq, Jill M. Rathborne, & Jonathan B. Foster, 2015, ApJ, 802, 6 **(19 citations)**

9. IRAS 16547-4247: A New Candidate of a Protocluster Unveiled with ALMA
Aya E. Higuchi, Kazuya Saigo, James O. Chibueze, **Patricio Sanhueza**, Shigehisa Takakuwa, & Guido Garay, 2015, ApJL, 798, L33 **(14 citations)**

8. The Slow Ionized Wind and Rotating Disklike System that are Associated with the High-mass Young Stellar Object G345.4938+01.4677
Andres E. Guzman, Guido Garay, Luis F. Rodríguez, James Moran, Kate J. Brooks, Leonardo Bronfman, Lars-Ake Nyman, **Patricio Sanhueza**, & Diego Mardones, 2014, ApJ, 796, 117 **(40 citations)**

7. ALMA Observations of the IRDC Clump G34.43+00.24 MM3: 278 GHz Class I Methanol Masers
Takahiro Yanagida, Takeshi Sakai, Tomoya Hirota, Nami Sakai, Jonathan B. Foster, **Patricio Sanhueza**, James M. Jackson, Kenji Furuya, Yuri Aikawa, & Satoshi Yamamoto, 2014, ApJL, 794, L10 **(24 citations)**

6. Distributed Low-Mass Star Formation in the IRDC G34.43+00.24
Jonathan B. Foster, Hector G. Arce, Marc Kassis, **Patricio Sanhueza**, James M. Jackson, Su-

sanna C. Finn, Stella Offner, Takeshi Sakai, Nami Sakai, Satoshi Yamamoto, Andres E. Guzman, & Jill M. Rathborne, 2014, ApJ, 791, 108 **(36 citations)**

5. MALT90: The Millimetre Astronomy Legacy Team 90 GHz Survey
J. M. Jackson, J. M. Rathborne, J. B. Foster, J. S. Whitaker, **P. Sanhueza**, C. Claysmith, J. L. Mascoop, M. Wienen, S. L. Breen, F. Herpin, A. Duarte-Cabral, T. Csengeri, S. N. Longmore,Y. Contreras, B. Indermuehle, P. J. Barnes, A. J. Walsh, M. R. Cunningham, K. J. Brooks, T. R. Britton, M. A. Voronkov, J. S. Urquhart, J. Alves, C. H. Jordan, T. Hill, S. Hoq, S. C. Finn, I. Bains, S. Bontemps, L. Bronfman, J. L. Caswell, L. Deharveng, S. P. Ellingsen, G. A. Fuller, G. Garay, J. A. Green, L. Hindson, P. A. Jones, C. Lenfestey, N. Lo, V. Lowe, D. Mardones, K. M. Menten, V. Minier, L. K. Morgan, F. Motte, E. Muller, N. Peretto, C. R. Purcell, P. Schilke, N. Schneider-Bontemps, F. Schuller, A. Titmarsh, F. Wyrowski, & A. Zavagno, 2013, PASA, 30, 57 **(146 citations)**

4. Chemical Evolution in High-Mass Star-Forming Regions: Results from the MALT90 Survey
Sadia Hoq, James M. Jackson, Jonathan B. Foster, **Patricio Sanhueza**, Andres Guzman, J. Scott Whitaker, Christopher Claysmith, Jill M. Rathborne, Tatiana Vasyunina, & Anton Vasyunin, 2013, ApJ, 777, 157 **(78 citations)**

3. ALMA Observations of the IRDC Clump G34.43+00.24 MM3: Hot Core and Molecular Outflows
Takeshi Sakai, Nami Sakai, Jonathan B. Foster, **Patricio Sanhueza**, James M. Jackson, Marc Kassis, Kenji Furuya, Yuri Aikawa, Tomoya Hirota, & Satoshi Yamamoto, 2013, ApJL, 775, L31 **(35 citations)**

2. Characterization of the MALT90 Survey and the Mopra Telescope at 90 GHz
Jonathan B. Foster, Jill M. Rathborne, **Patricio Sanhueza**, Chris Claysmith, J. Scott Whitaker, James M. Jackson, Joshua L. Mascoop, Marion Wienen, Shari L. Breen, Fabrice Herpin, Ana Duarte-Cabral, Timea Csengeri, Yanett Contreras, Balt Indermuehle, Peter J. Barnes, Andrew J. Walsh, Maria R. Cunningham, Tui R. Britton, Maxim A. Voronkov, James S. Urquhart, Joao Alves, Christopher H. Jordan, Tracey Hill, Sadia Hoq, Kate J. Brooks, & Steven N. Longmore, 2013, PASA, 30, 38 **(56 citations)**

1. The Millimeter Astronomy Legacy Team 90 GHz (MALT90) Pilot Survey
Jonathan B. Foster, James M. Jackson, Peter J. Barnes, Elizabeth Barris, Kate Brooks, Maria Cunningham, Susanna C. Finn, Gary A. Fuller, Steven N. Longmore, Joshua L. Mascoop, Nicolas Peretto, Jill Rathborne, **Patricio Sanhueza**, Frederic Schuller, & Friedrich Wyrowski, 2011, ApJS, 197, 25 **(125 citations)**

Non-referee Publications
Conference Proceedings
White Papers

14. Remote visualization and previews for ALMA
Felix Stoehr, Kuo-Song Wang, Anthony Moraghan, Alisdair Manning, Miguel del Prado, Alvaro Aguirre, Adele Plunkett, Andy Lipnicky, **Patricio Sanhueza**, Eisuke Morita, & Peter Teuben, 2024, Astronomical Society of the Pacific Conference Series, 535, 195

13. The core population and kinematics of a massive clump: an ALMA view of AG14.49
Elena Redaelli, Stefano Bovino, **Patricio Sanhueza**, & Paola Caselli, 2023, Physics and Chemistry of Star Formation: The Dynamical ISM Across Time and Spatial Scales, 212

12. The ALMA Science Archive Reaches a Major Milestone
Felix Stoehr, Alisdair Manning, Stewart McLay, Kyoko Ashigatawa, Miguel del Prado, Dustin Jenkins, Adrian Damian, Kuo-Song Wang, Anthony Moraghan, Adele Plunkett, Andrew Lipnicky, **Patricio Sanhueza**, Gabriela Calistro Rivera, & Severin Gaudet, ESO Messenger, 2022

11. Remote visualization and previews for ALMA
Felix Stoehr, Kuo-Song Wang, Anthony Moraghan, Alisdair Manning, Miguel del Prado, Alvaro

Aguirre, Adele Plunkett, Andy Lipnicky, **Patricio Sanhueza**, Eisuke Morita, & Peter Teuben, ADASS, 2021

10. Second Year Review (FYR) of the Additional Representative Images for Legacy (ARI-L) in the Science Archive Project (2021)
Erich Schmid, Bernhard Lopez, Brian Mason, Kotaro Kohno, Martino Romaniello, **Patricio Sanhueza**, Theodoros Nakos, & Tony Mroczkowski, 2021

9. ALMA Science Archive Manual
Felix Stoehr, Adele Plunkett, Andy Lipnicky, Brenda Matthews, Kuo-Song Wang, & **Patricio Sanhueza**, Version 8.2, 2021

8. ALMA Cycle 8 2021 Proposer's Guide
James Braatz, Andy Biggs, **Patricio Sanhueza**, & Andrea Corvillon, Version 1.0, 2021

7. First Year Review (FYR) of the Additional Representative Images for Legacy (ARI-L) in the Science Archive Project (2020)
Erich Schmid, Bernhard Lopez, Brian Mason, Kotaro Kohno, Martino Romaniello, **Patricio Sanhueza**, Theodoros Nakos, & Tony Mroczkowski, 2020

6. ALMA Cycle 8 Proposer's Guide
James Braatz, Violette Impellizzeri, Andy Biggs, & **Patricio Sanhueza**, Version 1.0, 2020

5. ALMA Science Archive Manual
Felix Stoehr, Brenda Matthews, Kuo-Song Wang, Adele Plunkett, & **Patricio Sanhueza**, Version 8.1, 2020

4. Galactic Continuum Surveys with the New 850 μm MKID Camera at the EAO/JCMT 15-m Telescope
Tie Liu, Di Li, David Eden, James Di Francesco, JinHua He, Sarah I. Sadavoy, Ken'ichi Tatematsu, Kee-Tae Kim, Naomi Hirano, Gary Fuller, Yuefang Wu, Sheng-Yuan Liu, Ke Wang, Mark Thompson, Mika Juvela, Isabelle Ristorcelli, L. Viktor Toth, Archana Soam, **Patricio Sanhueza**, Sung-ju Kang, Woojin Kwon, D. Ward-Thompson, Julien Montillaud, John Richer, Jinjin Xie, Bingru Wang, & Yapeng Zhang, 2019

3. A Survey of Prestellar, Massive Cluster-Forming Clumps
Patricio Sanhueza, 2017, The Gioi Publishers, accepted, *Star Formation in Different Environments*, ed. D. Johnstone, T. Hoang, F. Nakamura, Q. Nguyen-Luong, & J. T. Tranh Van

2. A Massive, Prestellar Clump Hosting no High-Mass Cores
Patricio Sanhueza, James M. Jackson, Qizhou Zhang, Jonathan B. Foster, & Andres E. Guzman, 2015, Astronomical Society of the Pacific Conference Series, 499, 245, *Revolution in Astronomy with ALMA: The Third Year*, ed. D. Iono, K. Tatematsu, A. Wootten, & L. Testi

1. Chemistry and the Prestellar Nature of the IRDC G028.23-00.19
Patricio Sanhueza, James M. Jackson, & Jonathan B. Foster, 2013, Astronomical Society of the Pacific Conference Series, 476, 337, *"New Trends in Radio Astronomy in the ALMA Era: The 30th Anniversary of Nobeyama Radio Observatory,"* International Symp., ed. Ryohei Kawabe, Nario Kuno, and Satoshi Yamamoto