

# Publications of Floris van der Tak (October 2020)<sup>1</sup>

## Review papers

17. **H. Linz et al.**  
*Bringing high spatial resolution to the far-infrared – A giant leap for astrophysics*  
White paper for ESA Voyage 2050 program (2019)  
<http://arxiv.org/abs/2002.06693>
16. **Van der Tak, F.F.S.**  
*Water in the interstellar media of galaxies*  
In: Proceedings of IAU Focus Meeting 29, 395  
ed. S. Kwok & E.A. Bergin, Cambridge University Press (2016)  
Citations: 1
15. **Van der Tak, F.F.S.**  
*The chemistry of interstellar  $H_nO^+$ : Beyond the Galaxy*  
In: Spectroscopy of Molecular Ions in the Lab and in Extraterrestrial Space  
ed. T. Oka, AIP Conf. Proc. (2015)  
Citations: 2
14. **Van der Tak, F.F.S.**  
*Using deuterated  $H_3^+$  and other molecular species to probe the formation of stars and planets*  
Phil. Trans. R. Soc. Lond. A, 370, 5186-5199 (2012)  
Citations: 3
13. **Van der Tak, F.F.S.**  
*The first results of the Herschel-HIFI mission*  
Advances of Space Research 49, 1395-1410 (2012)  
Citations: 4
12. **Van der Tak, F.F.S.**  
*Radiative transfer and molecular data for astrochemistry*  
In: The Molecular Universe (IAU Symposium 280)  
ed. R. Bachiller & J. Cernicharo, IAU (2011)  
Citations: 18
11. Evans, N.J. II, de Buizer, J.M., Bally, J., van Dishoeck, E.F., Hamidouche, M., Henning, Th., Sandell, G., **van der Tak, F.F.S.**  
*The formation of stars and planets*  
Review chapter in: The science vision of SOFIA, ed. E. Becklin et al. (USRA, 2009)
10. **Van der Tak, F.F.S.**  
*Recent astrochemical results on star-forming regions*  
In: Massive Star Formation – Observations confront Theory,  
ed. H. Beuther et al., ASP Conf. Ser., 387, 101–108 (2008)  
Citations: 1
9. **Van der Tak, F.F.S.**  
*Using  $H_3^+$  and  $H_2D^+$  as probes of star-forming regions* (Refereed review)  
Phil. Trans. R. Soc. Lond. A, 364, 3101-3106 (2006)  
Citations: 10
8. **Van der Tak, F.F.S.**  
*The chemistry of high-mass star formation* (Invited review)  
In: IAU Symposium 227: Massive Star Birth - A Crossroads of Astrophysics,  
ed. R. Cesaroni, E. Churchwell, M. Felli, and C.M. Walmsley (CUP), 70-78 (2005)  
Citations: 9

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<sup>1</sup>Citation statistics from NASA's Astrophysics Data System at [http://adsabs.harvard.edu/abstract\\_service.html](http://adsabs.harvard.edu/abstract_service.html)

7. Bergin, E.A., Maret, S., **van der Tak, F.F.S.**  
*Chemistry of pre-stellar cores* (Invited review)  
 In: The Dusty and Molecular Universe,  
 ed. A. Wilson (ESA-SP 577), 185–190 (2005)  
 Citations: 5
6. Walmsley, C.M., **van der Tak, F.F.S.**  
*Herschel and ISM / Star Formation* (Invited review)  
 In: The Dusty and Molecular Universe,  
 ed. A. Wilson (ESA-SP 577), 55–60 (2005)  
 Citations: 3
5. **Van der Tak, F.F.S.**  
*Hot molecular cores and high-mass star formation* (Invited review)  
 In: IAU Symposium 221: Star formation at high angular resolution,  
 ed. M. Burton, R. Jayawardhana & T. Bourke (ASP), 59–66 (2004)  
 Citations: 15
4. **Van der Tak, F.F.S.**, Lis, D.C., Gerin, M., Roueff, E., Schilke, P., Phillips, T.G.  
*Interstellar triply deuterated ammonia*  
 In: Chemistry as a diagnostic of star formation,  
 ed. C.L. Curry & M. Fich (NRC Press), 50–53 (2003)  
 Citations: 1
3. **Van der Tak, F.F.S.**  
*Observations and models of the embedded phase of high-mass star formation*  
 In: Hot star workshop III: The earliest phases of massive star birth,  
 ed. P. Crowther (ASP Conf. Series No. 267), 33–42 (2002)  
 Citations: 4
2. Van Dishoeck, E.F., **van der Tak, F.F.S.**  
*Chemistry in the envelopes around massive young stars* (Invited review)  
 In: Highlights of Astronomy, Vol.12, presented at the XXIVth General Assembly  
 of the IAU, ed. H. Rickman (ASP), 146–148 (2001)
1. Van Dishoeck, E.F., **van der Tak, F.F.S.**  
*Chemistry in the envelopes around massive young stars* (Invited review)  
 In: IAU Symposium 197 ‘Astrochemistry: From Molecular Clouds to Planetary Systems’,  
 eds. Y.C. Minh & E.F. van Dishoeck (ASP), 97–112 (2000)  
 Citations: 16

## Books

1. *From interstellar clouds to star-forming galaxies: universal processes?*  
 Proceedings of IAU Symposium 315, held 2015 August 3-7, Honolulu  
 Editors: P. Jablonka, P. André, F. van der Tak  
 Cambridge University Press, 2016
2. *Observations and models of the embedded phase of high-mass star formation*  
 PhD thesis, Leiden University (2000)  
 Citations: 4

## Articles in peer-reviewed journals<sup>2</sup>

### Submitted

214. Qian Wang, P. Khosropanah, J. van der Kuur, G. de Lange, D. Audley, A. Aminaei, R. Hijmering, M. Ridder, S. Ilyas, A. van der Linden, M. Bruijn, **van der Tak, F.**, Gao, J.R.  
*Electrical cross talk of a frequency division multiplexing readout for transition edge sensor bolometer array*  
 Journal of Applied Physics, submitted

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<sup>2</sup>Underlined authors are directly supervised students and postdocs

213. M. Braam, **F.F.S. van der Tak**, K. Chubb, M. Min  
*Detection of chromium hydride in the atmosphere of Hot Jupiter WASP-31b*  
A&A, submitted
212. E.F. van Dishoeck, and the WISH team  
*Water in star-forming regions: Physics and chemistry from clouds to disks as probed by Herschel spectroscopy.*  
A&A, submitted
211. **H. Linz et al.**  
*Bringing high spatial resolution to the far-infrared – A giant leap for astrophysics*  
Experimental Astronomy, submitted
210. Ramos Padilla, A., Wang, L., Plöckinger, S., **van der Tak, F.**, Trager, S., Schaye, J.  
*Diagnosing the interstellar medium of galaxies with far-infrared emission lines. I. The [CII] 158  $\mu\text{m}$  line at  $z=0$ .*  
A&A, submitted
209. Kavak, Ü., Sánchez-Monge, Á., López-Sepulcre, A., Cesaroni, R., **van der Tak, F.F.S.**, et al.  
*A search for radio jets from massive young stellar objects*  
A&A, submitted
208. Frantseva, K., Nesvorný, D., Müller, M., **van der Tak, F.F.S.**, ten Kate, I.L.  
*Exogenous delivery of water to Mercury*  
Icarus, submitted

## 2020

207. Gan, Y., Mirzaei, B., van der Poel, S., Silva, J., Finkel, M., Eggens, M., Ridder, M., Khalatpour, A., Hu, Q., **van der Tak, F.**, Gao, J.R.  
*A 3.9 THz spatial filter based on a back-to-back Si-lens system*  
Optics Express, in press (2020)
206. E. Koumpia, L. Evans, J. Di Francesco, **F. F. S. van der Tak**, R. D. Oudmaijer  
*Mapping the  $\text{H}_2\text{D}^+$  and  $\text{N}_2\text{H}^+$  emission towards prestellar cores. Testing dynamical models of the collapse using gas tracers.*  
A&A, in press (2020)
205. Kramer, C., and the HerM33es team  
*Gas and dust cooling along the major axis of M33: Herschel/PACS [CII] and [OI] observations*  
A&A 639, A61 (2020)
204. Frantseva, K., Müller, M., Pokorný, P., **van der Tak, F.F.S.**, ten Kate, I.L.  
*Enrichment of the HR 8799 planets by minor bodies and dust*  
A&A 638, A50 (2020)
203. Van der Tak, F.F.S., Lique, F., Faure, A., Black, J.H., van Dishoeck, E.F.  
*The Leiden Atomic and Molecular Database: Current status, recent updates, and future plans*  
Atoms 8, 15 (2020)
202. Q. Wang, M.D. Audley, P. Khosropanah, J. van der Kuur, G. de Lange, A. Aminaei, D. Boersma, **F. van der Tak**, J.R. Gao  
*Noise measurements of a low noise amplifier in the FDM readout system for SAFARI*  
Journal of Low Temperature Physics 199, 817 (2020)
201. Tjoa, J.N.K.Y., Müller, M., **van der Tak, F.F.S.**  
*The subsurface habitability of small icy exomoons*  
A&A 636, A50 (2020)
200. Allen, V., **van der Tak, F.F.S.**, Lopez-Sepulcre, A., Sanchez-Monge, A., Rivilla, V., Cesaroni, R.  
*Exploring the formation pathways of interstellar formamide near young O-type stars*  
A&A 636, A67 (2020)

199. Rivilla, V., van der Tak, F.F.S. et al.  
*ALMA and ROSINA detections of phosphorus-bearing molecules: the interstellar thread between star-forming regions and comets*  
MNRAS 492, 1180 (2020)  
Citations: 6
- 2019**
198. Kavak, Ü., van der Tak, F.F.S., Tielens, A.G.G.M., Shipman, R.F.  
*Origin of Hydrogen Fluoride Emission in the Orion Bar: An excellent tracer for CO-dark H<sub>2</sub> gas clouds*  
A&A 631, A117 (2019)  
Citations: 1
197. Fontani, F., Rivilla, V., van der Tak, F.F.S., Minnini, C., Beltrán, M., Caselli, P.  
*Origin of the PN molecule in star-forming regions: the enlarged sample*  
MNRAS 489, 4530 (2019)  
Citations: 2
196. Pearson, W., Wang, L., van der Tak, F.F.S. et al.  
*Effect of galaxy mergers on star formation rates*  
A&A 631, A51 (2019)  
Citations: 12
195. Gan, Y., Mirzaei, B., Silva, J., Khalatpour, A., Hu, Q., Groppi, C., Siles, J., van der Tak, F., Gao, J.R.  
*81 supra-THz beams generated by a Fourier grating and a quantum cascade laser*  
Optics Express, 27(23), 34192-34203 (2019)
194. Maud, L., and the ALMA massive disks consortium  
*Substructures in the Keplerian disk around the O-type protostar G17.64+0.16*  
A&A 627, L6 (2019)  
Citations: 11
193. Kwon, W., I. Stephens, J. Tobin, L. Looney, Z.-Y. Li, van der Tak, F.F.S., R. Crutcher  
*Saving Early Disk Formation of Young Stellar Objects from the Magnetic Braking Catastrophe*  
ApJ 879, 25 (2019)  
Citations: 18
192. Pearson, W., Wang, L., Trayford, J.W., Petrillo, C.E., van der Tak, F.F.S.  
*Identifying Galaxy Mergers in Observations and Simulations with Deep Learning*  
A&A 626, A49 (2019)  
Citations: 10
191. Seo, Y., and the STO-2 consortium  
*Probing ISM structure in Trumpler 14 & Carina I using STO-2*  
ApJ 878, 120 (2019)  
Citations: 2
190. André, Ph., and the SPICA consortium  
*Probing the cold magnetized Universe with SPICA-POL (B-BOP)*  
PASA 36, 29 (2019)  
Citations: 10
189. Van der Tak, F.F.S., Shipman, R., Jacq, T., Herpin, F., Braine, J., Wyrowski, F.  
*Evidence for infall onto high-mass protostars from Herschel/HIFI observations of water*  
A&A, 625, A103 (2019)  
Citations: 1

**2018**

188. Egami, E., and the SPICA consortium  
*Probing the High-Redshift Universe with SPICA: Toward the Epoch of Reionization and Beyond*  
PASA 35, 48 (2018)  
Citations: 11
187. Maud, L., Cesaroni, R., Kumar, M., **Van der Tak, F.F.S.**, Allen, V., et al.  
*ALMA evidence for an SiO disc and disc wind from G17.64+0.16*  
A&A 620, A31 (2018)  
Citations: 18
186. Roelfsema, P., and the SPICA consortium  
*SPICA – a cryogenic infrared space telescope*  
PASA 35, 30 (2018)  
Citations: 38
185. Pearson, W., Wang, L., Hurley, P., Malek, K., Buat, V., Burgarella, D., Farrah, D., Oliver, S., Smith, D., **van der Tak, F.**  
*The Main Sequence of Star Forming Galaxies Beyond the Herschel Confusion Limit*  
A&A 615, A146 (2018)  
Citations: 35
184. Moscadelli, L., and the ALMA-disks consortium  
*The feedback of a HC Hii region on its parental molecular core: The case of core A1 in the star-forming region G24.78+0.08*  
A&A 616, A66 (2018)  
Citations: 8
183. Allen, V., **van der Tak, F.F.S.**, Walsh, C.  
*Complex cyanides as chemical clocks in hot cores*  
A&A 616, A67 (2018)  
Citations: 6
182. Beltrán, M., and the ALMA-disks consortium  
*Accelerating infall and rotational spin-up in the hot molecular core G31.41+0.31*  
A&A 615, A141 (2018)  
Citations: 18
181. Frantseva, K., Müller, M., ten Kate, I.L., **van der Tak, F.F.S.**, Greenstreet, S.  
*Delivery of organics to Mars through asteroid and comet impacts*  
Icarus 309, 125 (2018)  
Citations: 3
180. **Van der Tak, F.**, and the SPICA consortium  
*Probing the baryon cycle of galaxies with SPICA mid- and far-infrared observations*  
PASA 35, e002 (2018)  
Citations: 9
179. Klaassen, P., Johnston, K., Urquhart, J., Mottram, J., Peters, T., Kuiper, R., Beuther, H., **van der Tak, F.F.S.**, Goddi, C.  
*The evolution of young HII regions. I. Continuum emission and internal dynamics.*  
A&A 611, A99 (2018)  
Citations: 11

**2017**

178. Gruppioni, L., and the SPICA consortium  
*Tracing the evolution of dust obscured star-formation and accretion all the way back to re-ionization with SPICA*  
PASA, 34, 55 (2017)  
Citations: 17

177. Kaneda, H., and the SPICA consortium  
*Unbiased large spectroscopic surveys of dust-band-selected galaxies by SPICA*  
PASA 34, 59 (2017)  
Citations: 11
176. Spinoglio, L., and the SPICA consortium  
*Galaxy evolution studies with the SPace IR telescope for Cosmology and Astrophysics (SPICA)*  
PASA, 34, 57 (2017)  
Citations: 20
175. González-Alfonso, E., and the SPICA-GalEvol consortium  
*Feeding and feedback: key ingredients of galaxy evolution? Outflows and inflows with SPICA*  
PASA, 34, 54 (2017)  
Citations: 15
174. Fernández-Ontiveros, J.A., and the SPICA-GalEvol consortium  
*SPICA and the Chemical Evolution of Galaxies: The Rise of Metals and Dust*  
PASA, 34, 53 (2017)  
Citations: 11
173. Allen, V., **van der Tak, F.F.S.**, Cesaroni, R., Sánchez-Monje, Á., Beltrán, M.  
*The Chemical Diversity of Hot Cores With Disks: An investigation with ALMA*  
A&A 603, A133 (2017)  
Citations: 15
172. Koumpia, E., Semenov, D., **van der Tak, F.F.S.**, Boogert, A.C.A., Caux, E.  
*The chemical structure of the Class 0 protostar NGC 1333 IRAS 4A*  
A&A 603, A88 (2017)  
Citations: 5
171. Pearson, W.J., Wang, L., **van der Tak, F.F.S.**, Hurley, P.  
*De-blending Deep Herschel Surveys: A Multi-wavelength Approach*  
A&A 603, A102 (2017)  
Citations: 6
170. Caselli, P., and the WISH-PSC team  
*NH<sub>3</sub> 1<sub>0</sub>-0<sub>0</sub> in the pre-stellar core L1544*  
A&A 603, L1 (2017)  
Citations: 16
169. Leurini, S., F. Herpin, **F. van der Tak**, F. Wyrowski, G.J. Herczeg, E. van Dishoeck  
*The distribution of water in the G327.3-0.6 massive star-forming region*  
A&A 602, A70 (2017)  
Citations: 1
168. Cesaroni, R., ... Allen, V., ... **van der Tak, F.F.S.**, et al:  
*Chasing disks around O-type (proto)stars: Evidence from ALMA observations*  
A&A 602, A59 (2017)  
Citations: 49
167. Gratier, P., and the HerM33es team:  
*The molecular gas mass of M 33*  
A&A 600, A27 (2017)  
Citations: 14
166. Nagy, Z., Choi, Y., Ossenkopf-Okada, V., **van der Tak, F.F.S.**, Bergin, E.A., et al.  
*Herschel/HIFI spectral line survey of the Orion Bar: Temperature and density differentiation near the PDR surface*  
A&A 599, A22 (2017)  
Citations: 22

**2016**

165. Tahani, K., Plume, R., Bergin, E.A., ... **van der Tak, F.F.S.**  
*Analysis of the Herschel/Hexos Spectral Survey Toward Orion South: A Massive Protostellar Envelope with Strong External Irradiation*  
ApJ 832, 12 (2016)  
Citations: 7
164. Koumpia, E., **van der Tak, F.F.S.**, Kwon, W., Tobin, J.J., Fuller, G.A., Plume, R.  
*The evolutionary status of dense cores in the NGC 1333 IRAS4 region*  
A&A 595, A51 (2016)  
Citations: 8
163. Jacq, T., Braine, J., Herpin, F., **van der Tak, F.F.S.**, Wyrowski, F.  
*Structure and kinematics of the clouds surrounding the Galactic mini-starburst W43 MM1*  
A&A 595, A66 (2016)  
Citations: 3
162. **Van der Tak, F.F.S.**, Weiss, A., Liu, L., Güsten, R.  
*The ionization rates of galactic nuclei and disks from Herschel/HIFI observations of water and its associated ions*  
A&A 593, A43 (2016)  
Citations: 10
161. Lis, D.C., Wootten, H.A., Gerin, M., Pagani, L., Roueff, E., **van der Tak, F.F.S.**, Vastel, C., Walmsley, C.M.  
*Star Formation and Feedback: A Molecular Outflow–Prestellar Core Interaction in L1689N*  
ApJ 827, 133 (2016)  
Citations: 8
160. Benz, A.O., and the WISH team  
*Water in star-forming regions with Herschel. VI. Constraints on UV and X-ray irradiation from a survey of hydrides in low-to high-mass YSOs*  
A&A 590, A105 (2016)  
Citations: 11
159. Herpin, F., Chavarría, L., Jacq, T., Braine, J., **van der Tak, F.F.S.**, et al  
*The Herschel-HIFI view of mid-IR-quiet massive protostellar objects*  
A&A 587, A139 (2016)  
Citations: 6
158. B. Mookerjee, F. Israel, C. Kramer, T. Nikola, J. Braine, V. Ossenkopf, M. Röllig, C. Henkel, P. van der Werf, **F. van der Tak**, M. C. Wiedner  
*Velocity resolved [C II] spectroscopy of the center and the BCLMP 302 region of M 33 (HerM 33es)*  
A&A 586, A37 (2016)  
Citations: 10
157. San José García, I., Mottram, J.C., van Dishoeck, E.F., Kristensen, L.E., **van der Tak, F.F.S.**, et al  
*Linking low- to high-mass YSOs with Herschel-HIFI observations of water*  
A&A 585, A103 (2016)  
Citations: 14

**2015**

156. Ossenkopf, V., Koumpia, E., Okada, Y., Mookerjee, B., **van der Tak, F.F.S.**, Simon, R., Pütz, P., Güsten R.  
*The fine structure line deficit in S140*  
A&A 580, A83 (2015)  
Citations: 5

155. Giannetti, A., Wyrowski, F., Leurini, S., Urquhart, J., Csengeri, T., Menten, K.M., Bronfman, L., **van der Tak, F.F.S.**  
*Infrared dark clouds on the far side of the Galaxy*  
A&A 580, L7 (2015)  
Citations: 8
154. Nagy, Z., Ossenkopf, V., **van der Tak, F.F.S.**, Faure, A., Makai, Z., Bergin, E.A.  
*C<sub>2</sub>H observations toward the Orion Bar*  
A&A 578, A124 (2015)  
Citations: 21
153. Koumpia, E., Harvey, P.M., Ossenkopf, V., **van der Tak, F.F.S.**, Mookerjee, B., Fuente, A., Kramer, C.  
*Temperatures of dust and gas in S 140*  
A&A 580, A63 (2015)  
Citations: 6
152. Nagy, Z., **van der Tak, F.F.S.**, Fuller, G.A., Plume, R.  
*Physical and chemical differentiation of the luminous star-forming region W49A*  
A&A 577, A127 (2015)  
Citations: 14
151. Boquien, M., and the HerM33es team  
*Measuring star formation in the era of high resolution observations: the case of M33*  
A&A 578, A8 (2015)  
Citations: 28
150. Choi, Y., **van der Tak, F.F.S.**, van Dishoeck, E.F., Herpin, F., Wyrowski, F.  
*Observations of warm water with Herschel/HIFI toward the high-mass protostar AFGL 2591*  
A&A 576, A85 (2015)  
Citations: 7
149. Kaźmierczak-Barthel, M., Semenov, D., **van der Tak, F.F.S.**, Chavarría, L., van der Wiel, M.H.D.  
*The HIFI spectral survey of AFGL 2591 (CHESS). III. Chemical structure of the protostellar envelope.*  
A&A 574, A71 (2015)  
Citations: 8
148. Indriolo, N., and the HEXOS team  
*Herschel Survey of Galactic OH<sup>+</sup>, H<sub>2</sub>O<sup>+</sup>, and H<sub>3</sub>O<sup>+</sup>: Probing the Molecular Hydrogen Fraction and Cosmic-Ray Ionization Rate*  
ApJ 800, 40 (2015)  
Citations: 87
- 2014**
147. Roelfsema, P., Giard, M., Najjarro, F., ..., **F.F.S. van der Tak**, et al.  
*SAFARI new and improved: extending the capabilities of SPICA's imaging spectrometer*  
SPIE 9143, 1 (2014)  
Citations: 8
146. Mottram, J.C., and the WISH team  
*Water in star-forming regions with Herschel. V. The physical conditions in low-mass protostellar outflows revealed by multi-transition water observations*  
A&A 572, A21 (2014)  
Citations: 38
145. A. Coutens, C. Vastel, U. Hincelin, E. Herbst, D.C. Lis, L. Chavarría, M. Gérin, **F.F.S. van der Tak**, et al.  
*Water deuterium fractionation in the high-mass star-forming region G34.26+0.15*  
MNRAS 445, 1299 (2014)  
Citations: 22



144. Y. Choi, **F.F.S. van der Tak**, E.A. Bergin, R. Plume  
*A non-equilibrium ortho-para ratio of water in the Orion PDR*  
A&A 572, L10 (2014)  
Citations: 15
143. Chen, J.H., and the HOP team  
*Herschel HIFI observations of O<sub>2</sub> toward Orion: special conditions for shock enhanced emission*  
ApJ 793, 111 (2014)  
Citations: 28
142. Shipman, R., **Van der Tak, F.F.S.**, Wyrowski, F., Herpin, F., Frieswijk, W.  
*Physical conditions in IRDC cores from HIFI observations of H<sub>2</sub>O*  
A&A 570, A51 (2014)  
Citations: 6
141. M.T. Beltrán, A. Sánchez-Monge, R. Cesaroni, ... **F.F.S. van der Tak**, et al.  
*Filamentary structure and Keplerian rotation in the high-mass star-forming region G35.03+0.35 imaged with ALMA*  
A&A 571, A52 (2014)  
Citations: 32
140. A. Sánchez-Monge, M.T. Beltrán, R. Cesaroni, ... **F.F.S. van der Tak**, et al.  
*A necklace of dense cores in the high-mass star forming region G35.20-0.74 N: ALMA observations*  
A&A 569, A11 (2014)  
Citations: 50
139. Druard, C., and the HerM33ES team  
*The IRAM M33 CO 2-1 survey. A complete census of molecular gas out to 7 kpc.*  
A&A 567, A118 (2014)  
Citations: 60
138. Kaźmierczak-Barthel, M., **van der Tak, F.F.S.**, Helmich, F.P., Chavarría, L., Wang, K.-S., Ceccarelli, C.  
*The HIFI spectral survey of AFGL 2591 (CHESS). II. Summary of the survey.*  
A&A 567, A53 (2014)  
Citations: 6
137. Crockett, N., and the HEXOS team  
*Analysis of the HIFI spectral survey of Orion KL. I: Methods*  
ApJ 787, 112 (2014)  
Citations: 75
136. Leurini, S., Gusdorf, A., Wyrowski, F., Codella, C., Csengeri, T., **van der Tak, F.F.S.**, Beuther, H.  
*Water emission from the high-mass star forming region IRAS 17233-3606: High water abundances at high velocities*  
A&A 564, L11 (2014)  
Citations: 11
135. Wang, K., Zhang, Q., Testi, L., **van der Tak, F.F.S.**, et al.  
*Hierarchical Fragmentation and Sequential Star Formation in the Galactic 'Snake' G11.11-0.12*  
MNRAS 439, 3275 (2014)  
Citations: 121
134. Karska, A., and the high-mass WISH team  
*Far-infrared molecular lines from low- to high-mass star-forming regions observed with Herschel*  
A&A 562, 45 (2014)  
Citations: 29

**2013**

133. **Van der Tak, F.F.S.**, Nagy, Z., Ossenkopf, V., Makai, Z., Black, J.H., Faure, A., Gerin, M., Bergin, E.A.

- Spatially extended OH<sup>+</sup> emission in the Orion Bar and Ridge*  
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83. Vastel, C., & the CHESS team  
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82. Bacmann, A., & the CHESS team  
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