

# Publications of Floris van der Tak (June 2018)<sup>1</sup>

## Review papers

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)
15. **Van der Tak, F.F.S.**  
*The chemistry of interstellar  $H_n O^+$ : Beyond the Galaxy*  
In: Spectroscopy of Molecular Ions in the Lab and in Extraterrestrial Space  
ed. T. Oka, AIP Conf. Proc. (2015)  
Citations: 1
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: 2
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: 16
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: 9
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: 8
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

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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)

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: 13
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

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

### Submitted

189.

188. Eiichi, E., and the SPICA consortium  
*Probing the High-Redshift Universe with SPICA: Toward the Epoch of Reionization and Beyond*  
PASA, submitted

187. 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*  
ApJL, submitted

186. Kwon, W., **van der Tak, F.F.S.**, Karska, A., Herczeg, G., Chavarría, L., Herpin, F., Wyrowski, F.,  
Braine, J., van Dishoeck, E.F.  
*Warm Gas and Dust around Massive Young Stellar Objects Revealed by Herschel PACS Spectroscopy*  
A&A, submitted

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

185. Roelfsema, P., and the SPICA consortium  
*SPICA – a cryogenic infrared space telescope*  
 PASA, in press (2018)
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184. 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, in press (2018)
183. 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, in press (2018)
182. Allen, V., **van der Tak, F.F.S.**, Walsh, C.  
*Complex cyanides as chemical clocks in hot cores*  
 A&A, in press (2018)
181. Beltrán, M., and the ALMA-disks consortium  
*Accelerating infall and rotational spin-up in the hot molecular core G31.41+0.31*  
 A&A, in press (2018)
180. 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)
179. **Van der Tak, F.**, and the SPICA consortium  
*Probing the baryon cycle of galaxies with SPICA mid- and far-infrared observations*  
 PASA 35, e002  
 Citations: 1
178. 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
- 2017**
177. 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: 1
176. Kaneda, H., and the SPICA consortium  
*Unbiased large spectroscopic surveys of dust-band-selected galaxies by SPICA*  
 PASA 34, 59 (2017)  
 Citations: 1
175. Spinoglio, L., and the SPICA consortium  
*Galaxy evolution studies with the SPace IR telescope for Cosmology and Astrophysics (SPICA)*  
 PASA, 34, 57 (2017)  
 Citations: 2
174. 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: 1

173. 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: 1
172. 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: 1
171. 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)
170. 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: 2
169. 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: 5
168. 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)
167. 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: 9
166. Gratier, P., and the HerM33es team:  
*The molecular gas mass of M 33*  
A&A 600, A27 (2017)  
Citations: 5
165. 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: 12

## 2016

164. 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: 6
163. 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: 2
162. 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: 1

161. **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: 5
160. 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: 3
159. 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: 5
158. 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: 4
157. B. Mookerjea, 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: 6
156. 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: 9
- 2015**
155. Ossenkopf, V., Koumpia, E., Okada, Y., Mookerjea, 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: 2
154. 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: 4
153. 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: 11
152. Koumpia, E., Harvey, P.M., Ossenkopf, V., **van der Tak, F.F.S.**, Mookerjea, B., Fuente, A., Kramer, C.  
*Temperatures of dust and gas in S 140*  
A&A 580, A63 (2015)  
Citations: 3
151. 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: 9

150. 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: 17
149. 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: 4
148. 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: 7
147. 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: 56
- 2014**
146. Roelfsema, P., Giard, M., Najarro, 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
145. 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: 25
144. A. Coutens, C. Vastel, U. Hincelin, E. Herbst, D.C. Lis, L. Chavarrá, 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: 14
143. 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: 9
142. 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: 15
141. 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: 5
140. 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: 15

139. 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: 22
138. 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: 22
137. 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: 4
136. Crockett, N., and the HEXOS team  
*Analysis of the HIFI spectral survey of Orion KL. I: Methods*  
ApJ 787, 112 (2014)  
Citations: 44
135. 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: 9
134. 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: 74
133. 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: 19
- 2013**
132. **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*  
A&A 560, A95 (2013)  
Citations: 25
131. Coutens, A., and the WISH-CHESS-HEXOS HDO team  
*Deuterated water in the solar-type protostars NGC 1333 IRAS 4A and 4B*  
A&A 560, A39 (2013)  
Citations: 25
130. Wang, K.S., Bourke, T.L., Hogerheijde, M.R., **van der Tak, F.F.S.**, Benz, A.O., Megeath, S.T., Wilson, T.L.  
*Dense molecular cocoons in the massive protocluster W3 IRS5: a test case for models of massive star formation*  
A&A 558, A69 (2013)  
Citations: 7
129. Öberg, K., Boamah, M.D., Fayolle, E.C., Garrod, R.T., Cyganowski, C., **van der Tak, F.F.S.**  
*The spatial distribution of organics around the high-mass protostar NGC 7538 IRS9*  
ApJ 771, 95 (2013)  
Citations: 17

128. **Van der Tak, F.F.S.**, Chavarría, L., Herpin, F., Wyrowski, F., Walmsley, C.M., van Dishoeck, E.F., et al.  
*Water in star-forming regions with Herschel. IV. A survey of low-J H<sub>2</sub>O line profiles toward high-mass protostars*  
A&A 554, A83 (2013)  
Citations: 36
127. Sánchez-Monge, Á., Cesaroni, R., Beltrán, M., ..., **van der Tak, F.F.S.**, et al.  
*A candidate circumbinary disk in G35.20-0.74N: A study with ALMA*  
A&A 552, L10 (2013)  
Citations: 50
126. Van der Wiel, M.H.D., Pagani, L., **van der Tak, F.F.S.**, Kaźmierczak, M., Ceccarelli, C.  
*Highly excited linear rotor molecules in the high-mass protostellar envelope of AFGL 2591*  
A&A 553, A11 (2013)  
Citations: 10
125. Okada, Y., and the WADI team  
*Probing the role of PAHs in the photo-electric heating of photodissociation regions*  
A&A 553, A2 (2013)  
Citations: 16
124. San José García, I., Mottram, J.C., Kristensen, L.E., van Dishoeck, E.F., Yildiz, U.A., **van der Tak, F.F.S.**, et al  
*Herschel-HIFI observations of high-J CO and isotopologues in star-forming regions: from low to high mass*  
A&A 553, A125 (2013)  
Citations: 30
123. Karska, A., and the WISH team  
*Water in star-forming regions with Herschel. III. Far-infrared line cooling in low-mass young stellar objects*  
A&A 552, A141 (2013)  
Citations: 73
122. Emprechtinger, M., Lis, D.C., Rolffs, R., Schilke, P., Monje, R., Comito, C., Ceccarelli, C., Neufeld, D.A., **F. van der Tak**  
*The Abundance, Ortho/Para Ratio, and Deuteration of Water in the High-Mass Star Forming Region NGC 6334 I*  
ApJ 765, 61 (2013)  
Citations: 24
121. Nagy, Z., **van der Tak, F.F.S.**, Ossenkopf, V., et al  
*The chemistry of ions in the Orion Bar I. CH<sup>+</sup>, SH<sup>+</sup> and CF<sup>+</sup>.*  
A&A 550, A96 (2013)  
Citations: 40
120. Ossenkopf, V., Röllig, M., Neufeld, D.A., Pilleri, P., Lis, D.C., Fuente, A., **van der Tak, F.F.S.**, Bergin, E.A.  
*Herschel/HIFI observations of [CII] and [<sup>13</sup>CII] in PDRs*  
A&A 550, A57 (2013)  
Citations: 29
119. Leurini, S., Wyrowski, F., Herpin, F., **van der Tak, F.F.S.**, Güsten, R., van Dishoeck, E.F.  
*The distribution of warm gas in the G327.3-0.6 star-forming region*  
A&A 550, A10 (2013)  
Citations: 6
118. Buchbender, Ch., and the HERMES team  
*Dense gas in M33*  
A&A 549, A17 (2013)  
Citations: 15

## 2012

117. Caselli, P., Keto, E., Bergin, E.A., Tafalla, M., Aikawa, Y., Douglas, Th., Pagani, L., Yildiz, U.A., **van der Tak, F.**, et al.  
*First detection of water vapour in a pre-stellar core*  
ApJ 759, L37 (2012)  
Citations: 88
116. Braine, J., Gratier, P., Kramer, C., Israel, F.P., **van der Tak, F.**, et al.  
*Spectrally resolved CII emission in M 33: Physical conditions and kinematics around BCLMP 691*  
A&A 544, A55 (2012)  
Citations: 15
115. Emprechtinger, M., Monje, R., **van der Tak, F.**, van der Wiel, M., Lis, D., Neufeld, D., Phillips, T., Ceccarelli, C.  
*Hydrogen Fluoride in High-Mass Star-forming Regions*  
ApJ 756, 136 (2012)  
Citations: 21
114. Xilouris, E., and the HERMES team  
*Cold and warm dust emission from M33*  
A&A 543, A74 (2012)  
Citations: 28
113. Melnick, G., and the HOP team  
*Herschel search for O<sub>2</sub> toward the Orion Bar*  
ApJ 752, 26 (2012)  
Citations: 26
112. Wang, K.S., **van der Tak, F.F.S.**, Hogerheijde, M.R.  
*An expanding, non-Keplerian disk around the young massive star AFGL 2591*  
A&A 543, A22 (2012)  
Citations: 27
111. Herpin, F., Chavarría, L., **Van der Tak, F.F.S.**, et al.  
*The massive protostar W<sub>43</sub>-MM1 as seen by Herschel-HIFI water spectra: high turbulence and accretion luminosity*  
A&A 542, A76 (2012)  
Citations: 32
110. Nagy, Z., **Van der Tak, F.F.S.**, Fuller, G.A., Spaans, M., Plume, R.  
*Extended warm and dense gas toward W<sub>49</sub>A: Starburst conditions in our Galaxy?*  
A&A 542, A6 (2012)  
Citations: 16
109. Kristensen, L., and the WISH team  
*Water in star-forming regions with Herschel. II. Evolution of the 557 GHz line in low-mass protostars*  
A&A 542, A8 (2012)  
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108. Liseau, R., and the HOP team  
*Multi-line detection of O<sub>2</sub> in  $\rho$  Oph A*  
A&A 547, A73 (2012)  
Citations: 58
107. Neufeld, D.A., Roueff, E., Snell, R.L., et al.  
*Herschel observations of interstellar chloronium*  
ApJ 748, 37 (2012)  
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90. Lis, D., & the HEXOS team  
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80. Kama, M., & the CHESS team  
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79. Ceccarelli, C., & the CHESS team  
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70. Benz, A., & the WISH team  
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67. Chavarría, L., & the WISH team  
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61. Boquien, M., & the HERMES team  
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60. Ossenkopf, V., & the WADI team  
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