

Publications in peer-reviewed journals

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The list below was last updated on September 14, 2020.

[86] Search for helium in the upper atmosphere of the hot Jupiter WASP-127 b using Phoenix/Gemini

L. A. dos Santos, D. Ehrenreich, **V. Bourrier**, R. Allart, G. King, M. Lendl, C. Lovis, J. Meléndez, and J. Seidel

Accepted in A&A, july 2020

[85] A precise architecture characterization of the π Men planetary system

M. Damasso, A. Sozzetti, C. Lovis, S. C. C. Barros, S. G. Sousa, O. D. S. Demangeon, J. P. Faria, J. Lillo-Box, S. Cristiani, F. Pepe, R. Rebolo, N. C. Santos, M. R. Zapatero Osorio, J. I. González Hernández, M. Amate, L. Pasquini, F. M. Zerbi, V. Adibekyan, M. Abreu, M. Affolter, Y. Alibert, M. Aliverti, R. Allart, C. Allende Prieto, D. Álvarez, D. Alves, G. Avila, V. Baldini, T. Bandy, W. Benz, A. Bianco, F. Borsa, D. Bossini, **V. Bourrier**, F. Bouchy, C. Broeg, A. Cabral, G. Calderone, R. Cirami, J. Coelho, P. Conconi, I. Coretti, C. Cumani, G. Cupani, V. D'Odorico, S. Deiries, H. Dekker, B. Delabre,

P. Di Marcantonio, X. Dumusque, D. Ehrenreich, P. Figueira, A. Fragoso, L. Genolet, M. Genoni, R. Génova Santos, I. Hughes, O. Iwert, F. Kerber, J. Knudstrup, M. Landoni, B. Lavie, J.-L. Lizon, G. Lo Curto, C. Maire, C. J. A. P. Martins, D. Mégevand, A. Mehner, G. Micela, A. Modigliani, P. Molaro, M. A. Monteiro, M. J. P. F. G. Monteiro, M. Moschetti, E. Mueller, M. T. Murphy, N. Nunes, L. Oggioni, A. Oliveira, M. Oshagh, E. Pallé, G. Pariani, E. Poretti, J. L. Rasilla, J. Rebordão, E. M. Redaelli, M. Riva, S. Santana Tschudi, P. Santin, P. Santos, D. Ségransan, T. M. Schmidt, A. Segovia, D. Sosnowska, P. Spanò, A. Suárez Mascareño, H. Taberner, F. Tenegi, S. Udry, and A. Zanutta

Accepted in A&A, july 2020

[84] Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS) V. Detection of sodium on the bloated super-Neptune WASP-166b

J. V. Seidel, D. Ehrenreich, **V. Bourrier**, R. Allart, O. Attia, H. J. Hoeijmakers, M. Lendl, E. Linder, A. Wyttenbach, N. Astudillo-Defru, D. Bayliss, H. M. Cegla, K. Heng, B. Lavie, C. Lovis, C. Melo, F. Pepe, L. A. dos Santos, D. Ségransan, and S. Udry

Accepted in A&A, july 2020

[83] The HST PanCET Program: An Optical to Infrared Transmission Spectrum of HAT-P-32Ab

M. K. Alam, M. Lopez-Morales, N. Nikolov, D. K. Sing, G. W. Henry, C. Baxter, J.-M. Désert, J. K. Barstow, T. Mikal-Evans, **V. Bourrier**, P. Lavvas, H.R. Wakeford, M. H. Williamson, J. Sanz-Forcada, L.A. Buchhave, O. Cohen, and A. Garcia Munoz

The Astronomical Journal, 160, 1, july 2020 (accepted may. 2019)

<https://iopscience.iop.org/article/10.3847/1538-3881/ab96cb>

[82] The GAPS programme at TNG XXII: The GIARPS view of the extended helium atmosphere of HD 189733 b accounting for stellar activity

G. Guilluy, V. Andretta, F. Borsa, P. Giacobbe, A. Sozzetti, E. Covino, **V. Bourrier**, L. Fossati, A. S. Bonomo, M. Esposito, M. S. Giampapa, A. Harutyunyan, M. Rainer, M. Brogi, G. Bruno, R. Claudi, G. Frustagli, A. F. Lanza, L. Mancini, L. Pino, E. Poretti, G. Scandariato, L. Affer, S. Benatti, K. Biazzo, A. Bignamini, W. Boschin, I. Carleo, R. Cosentino, M. Damasso, M. Desidera, A. F. Martinez Fiorenzano, G. Leto, A. Maggio, L. Malavolta, J. Maldonado, G. Micela, E. Molinari, V. Nascimbeni, I. Pagano, M. Pedani, G. Piotto, and A. Reiners

Astronomy and Astrophysics, 639, A49, July 2020 (accepted May 2020)

<https://www.aanda.org/articles/aa/abs/2020/07/aa37644-20/aa37644-20.html>

[81] Mass loss rate and local thermodynamic state of KELT-9 b the atmosphere from the hydrogen Balmer series

A. Wyttenbach, P. Mollière, D. Ehrenreich, H. M. Cegla, **V. Bourrier**, C. Lovis, L. Pino, R. Allart, J. V. Seidel, H. J. Hoeijmakers, L. D. Nielsen, B. Lavie, F. Pepe, and X. Bonfils, and I. A. G. Snellen

Astronomy and Astrophysics, 638, A87, June 2020 (accepted Apr. 2020)

<https://www.aanda.org/articles/aa/abs/2020/06/aa37316-19/aa37316-19.html>

[80] High-resolution Transmission Spectroscopy of MASCARA-2 b with EXPRES

H. J. Hoeijmakers, S. H. C. Cabot, L. Zhao, L. A. Buchave, R. Rasmussen, D. Kitzmann, S. L. Grimm, H. M. Cegla, **V. Bourrier**, D. Ehrenreich, K. Heng, C. Lovis, and D. A. Fischer

Accepted in A&A, Apr. 2020

<https://arxiv.org/abs/2004.08415>

[79] Optical phase curve of the ultra-hot Jupiter WASP-121b

V. Bourrier, D. Kitzmann, T. Kuntzer, V. Nascimbeni, M. Lendl, B. Lavie, H. J. Hoeijmakers, L. Pino, D. Ehrenreich, K. Heng, R. Allart, H. M. Cegla, X. Dumusque, C. Melo, N. Astudillo-Defru, D. A. Caldwell, M. Cretignier, H. Giles, C. E. Henze, J. Jenkins, C. Lovis, F. Murgas, F. Pepe, G. R. Ricker, M. E. Rose, S. Seager, D. Segransan, A. Suárez-Mascares, S. Udry, R. Vanderspek, A. Wyttenbach

Astronomy and Astrophysics, 637, A36, May 2020 (accepted Feb. 2020)

<https://www.aanda.org/articles/aa/abs/2020/05/aa36647-19/aa36647-19.html>

[78] The SOPHIE search for northern extrasolar planets. XVI. HD 158259, a compact planetary system in a near 3:2 mean motion resonance chain

N. C. Hara, F. Bouchy, M. Stalport, I. Boisse, J. Rodrigues, J.-B. Delisle, A. Santerne, G. W. Henry, L. Arnold, N. Astudillo-Defru, S. Borgniet, X. Bonfils, **V. Bourrier**, B. Brugger, B. Courcol, S. Dalal, M. Deleuil, X. Delfosse, O. Demangeon, R. F. Díaz, X. Dumusque, T. Forveille, G. Hébrard, M. J. Hobson, F. Kiefer, T. Lopez, L. Mignon, O. Mousis, C. Moutou, F. Pepe, J. Rey, N. C. Santos, D. Ségransan, S. Udry, and P. A. Wilson

Astronomy and Astrophysics, 636, L6, Apr. 2020 (accepted Mar. 2020)

<https://www.aanda.org/articles/aa/abs/2020/04/aa37254-19/aa37254-19.html>

[77] Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS) III. Atmospheric structure of the misaligned ultra-hot Jupiter WASP-121b

V. Bourrier, D. Ehrenreich, M. Lendl, M. Cretignier, R. Allart, X. Dumusque, H. M. Cegla, A. Suárez-Mascares, A. Wyttenbach, H. J. Hoeijmakers, C. Melo, T. Kuntzer, N. Astudillo-Defru, H. Giles, K. Heng, D. Kitzmann, B. Lavie, C. Lovis, F. Murgas, V. Nascimbeni, F. Pepe, L. Pino, D. Segransan, S. Udry

Astronomy and Astrophysics, 635, A205, Apr. 2020 (accepted Jan. 2020)

<https://www.aanda.org/articles/aa/abs/2020/03/aa36640-19/aa36640-19.html>

[76] Nightside condensation of iron in an ultra-hot giant exoplanet

David Ehrenreich, et al. (50+ authors)

Nature, march 2020 (accepted jan. 2020)

<https://www.nature.com/articles/s41586-020-2107-1>

[75] Why do warm Neptunes present nonzero eccentricity?

A. C. M. Correia, **V. Bourrier**, and J.-B. Delisle

Astronomy and Astrophysics, 635, A37, march 2020 (accepted jan. 2020)

<https://www.aanda.org/articles/aa/abs/2020/03/aa36967-19/aa36967-19.html>

[74] Expected performances of the Characterising Exoplanet Satellite (CHEOPS) II. The CHEOPS simulator

D. Futyan, A. Fortier, M. Beck, D. Ehrenreich, A. Bekkelien, W. Benz, N. Billot, **V. Bourrier**, C. Broeg, A. Collier Cameron, A. Deline, T. Kuntzer, M. Lendl, D. Queloz, R. Rohlfs, A. E. Simon, and F. Wildi

Astronomy and Astrophysics, 635, A23, march 2020 (accepted jan. 2020)

<https://www.aanda.org/articles/aa/abs/2020/03/aa36616-19/aa36616-19.html>

[73] WASP-52b. The effect of starspot correction on atmospheric retrievals

G. Bruno, N.K. Lewis, M.K. Alam, M. López-Morales, J.K. Barstow, H.R. Wakeford, D. Sing, G.W. Henry, G.E. Ballester, **V. Bourrier**, L.A. Buchhave, O. Cohen, T. Mikal-Evans, A. García Muñoz, P. Lavvas, J. Sanz-Forcada

Monthly Notices of the Royal Astronomical Society, 491, 4, feb. 2020 (accepted nov. 2019)

<https://doi.org/10.1093/mnras/stz3194>

[72] The high-energy environment and atmospheric escape of the mini-Neptune K2-18 b

L. dos Santos, D. Ehrenreich, **V. Bourrier**, N. Astudillo-Defru, X. Bonfils, F. Forget, C. Lovis, F. Pepe, and S. Udry

Astronomy and Astrophysics, 634, L4, jan 2020 (accepted jan. 2020)

<https://www.aanda.org/articles/aa/abs/2020/02/aa37327-19/aa37327-19.html>

[71] Wind of Change: retrieving exoplanet atmospheric winds from high-resolution spectroscopy

J. V. Seidel, D. Ehrenreich, L. Pino, **V. Bourrier**, B. Lavie, R. Allart, A. Wyttenbach, and C. Lovis

Astronomy and Astrophysics, 633, A86, jan 2020 (accepted dec. 2019)

<https://www.aanda.org/articles/aa/abs/2020/01/aa36892-19/aa36892-19.html>

[70] MOVES III. Simultaneous X-ray and ultraviolet observations unveiling the variable environment of the hot Jupiter HD 189733b

V. Bourrier, P. J. Wheatley, A. Lecavelier des Etangs, G. King, T. Loudon, D. Ehrenreich, R. Fares, C. Helling, J. Llama, M. M. Jardine, A. A. Vidotto

Monthly Notices of the Royal Astronomical Society, 493, 1, jan. 2020 (accepted jan. 2020)

<https://doi.org/10.1093/mnras/staa256>

[69] Multi-season optical modulation phased with the orbit of the super-Earth 55 Cnc e

S. Sulis, D. Dragomir, M. Lendl, **V. Bourrier**, B. O. Demory, L. Fossati, P. E. Cubillos, D. B. Guenther, S. R. Kane, R. Kuschnig, J. M. Matthews, A. F. J. Moffat, J. F. Rowe, D. Sasselov, W. W. Weiss, and J. N. Winn

Astronomy and Astrophysics, 631, A129, nov 2019 (accepted sept. 2019)

<https://www.aanda.org/articles/aa/abs/2019/11/aa36066-19/aa36066-19.html>

[68] The detection and characterization of 54 massive companions with the SOPHIE spectrograph. 7 new brown dwarfs and constraints on the BD desert

F. Kiefer, G. Hébrard, J. Sahlmann, S.G. Sousa, T. Forveille, N. Santos, M. Mayor, M. Deleuil, P.A. Wilson, S. Dalal, R. F. Díaz, G. W. Henry, J. Hagelberg, M. Hobson, O. Demangeon, **V. Bourrier**, X. Delfosse, L. Arnold, N. Astudillo-Defru, J.-L. Beuzit, I. Boisse, X. Bonfils, S. Borgniet, F. Bouchy, B. Courco, D. Ehrenreich, N. Hara, A.-M. Lagrange, C. Lovis, G. Montagnier, C. Moutou, F. Pepe, C. Perrier, J. Rey, A. Santerne, D. Ségransan, S. Udry, and A. Vidal-Madjar
Astronomy and Astrophysics, 631, A125, nov 2019 (accepted aug. 2019)
<https://www.aanda.org/articles/aa/abs/2019/11/aa35113-19/aa35113-19.html>

[67] Nearly Polar orbit of the sub-Neptune HD3167 c : Constraints on a multi-planet system dynamical history

S. Dalal, G. Hébrard, A. Lecavelier des Etangs, A. C. Petit, **V. Bourrier**, J. Laskar, P.-C. König, A.C.M. Correia
Astronomy and Astrophysics, 631, A28, nov 2019 (accepted june. 2019)
https://www.aanda.org/articles/aa/full_html/2019/11/aa35944-19/aa35944-19.html

[66] Revisiting Kepler-444. Part I. Seismic modelling and inversions of stellar structure

G. Buldgen, M. Farnir, C. Pezzotti, P. Eggenberger, S.J.A.J. Salmon, J. Montalbán, J.W. Ferguson, S. Khan, **V. Bourrier**, B.M. Rendle, G. Meynet, A. Miglio, and A. Noels
Astronomy and Astrophysics, 630, A126, oct 2019 (accepted aug. 2019)
<https://www.aanda.org/articles/aa/abs/2019/10/aa36126-19/aa36126-19.html>

[65] The HST PanCET Program: an extensive search for metallic ions in the exosphere of GJ 436 b

L. A. dos Santos, D. Ehrenreich, **V. Bourrier**, A. Lecavelier des Etangs, M. López-Morales, D.K. Sing, G. Ballester, L. Ben-Jaffel, L.A. Buchhave, T. Evans, A.G. Muñoz, G.W. Henry, T. Kataria, P. Lavvas, N.K. Lewis, J. Sanz-Forcada, and H. Wakeford
Astronomy and Astrophysics, 629, A47, sept 2019 (accepted june. 2019)
<https://www.aanda.org/articles/aa/pdf/2019/09/aa35663-19.pdf>

[64] The HST PanCET Program: Exospheric Mg II and Fe II in the Near-UV transmission spectrum of WASP-121 b using Jitter Decorrelation

D.K. Sing, P. Lavvas, G.E. Ballester, A. Lecavelier des Etangs, M.S. Marley, N. Nikolov, L. Ben-Jaffel, **V. Bourrier**, L.A. Buchhave, D.L. Deming, D. Ehrenreich, T.M. Evans, T. Kataria, N.K. Lewis, M. Lopez-Morales, A. Garcia Munoz, G.W. Henry, J. Sanz-Forcada, J.J. Spake, and H.R. Wakeford
The Astronomical Journal, 158, 91, aug. 2019 (accepted may. 2019)
<https://iopscience.iop.org/article/10.3847/1538-3881/ab2986/pdf>

[63] Lyman- α in the GJ 1132 System: Stellar Emission and Planetary Atmospheric Evolution

W.C. Waalkes, Z. Berta-Thompson, **V. Bourrier**, E. Newton, D. Ehrenreich, E.M.-R. Kempton, D. Charbonneau, J. Irwin and J. Dittmann
The Astronomical Journal, 158, 1, july 2019 (accepted may. 2019)
<https://iopscience.iop.org/article/10.3847/1538-3881/ab24c2/pdf>

[62] A spectral survey of an ultra-hot Jupiter: Detection of metals in the transmission spectrum of KELT-9 b

H. J. Hoeijmakers, D. Ehrenreich, D. Kitzmann, R. Allart, S. L. Grimm, J. V. Seidel, A. Wyttenbach, L. Pino, L. D. Nielsen, C. Fisher, P. B. Rimmer, **V. Bourrier**, H. M. Cegla, B. Lavie, C. Lovis, A. B.

C. Patzer, J. W. Stock, F. V. Pepe, and K. Heng
Astronomy and Astrophysics, 627, A165, july 2019 (accepted may 2019)
<https://www.aanda.org/articles/aa/pdf/2019/07/aa35089-19.pdf>

[61] A hot rocky and a warm puffy super-Earth orbiting TOI-402 (HD 15337)

X. Dumusque, O. Turner, C. Dorn, J.D. Eastman, R. Allart, V. Adibekyan, S. Sousa, N.C. Santos, C. Mordasini, **V. Bourrier**, F. Bouchy, A. Coffinet, M.D. Davies, R.F. Díaz, M.M. Fausnaugh, A. Glidden, N. Guerrero, C.E. Henze, J.M. Jenkins, D.W. Latham, C. Lovis, M. Mayor, F. Pepe, E.V. Quintana, G.R. Ricker, P. Rowden, D. Segransan, A. Suárez Mascareño, S. Seager, J.D. Twicken, S. Udry, R.K. Vanderspek, and J.N. Winn
Astronomy and Astrophysics, 627, A43, july 2019 (accepted april. 2019)
<https://www.aanda.org/articles/aa/pdf/2019/07/aa35457-19.pdf>

[60] MOVES II. Tuning in to the radio environment of HD189733b

R. D. Kavanagh, A. A. Vidotto, D. O' Fionnaga in, **V. Bourrier**, R. Fares, M. Jardine, Ch. Helling, C. Moutou, J. Llama, P. J. Wheatley
Monthly Notices of the Royal Astronomical Society, 485, 4529, jun. 2019 (accepted mar. 2019)
<https://doi.org/10.1093/mnras/stz655>

[59] The SOPHIE search for northern extrasolar planets. XIV. A temperate (Teq ~ 300 K) super-earth around the nearby star Gliese 411

R. F. Díaz, X. Delfosse, M. J. Hobson, I. Boisse, N. Astudillo-Defru, X. Bonfils, G. W. Henry, L. Arnold, F. Bouchy, **V. Bourrier**, B. Brugger, S. Dalal, M. Deleuil, O. Demangeon, F. Dolon, X. Dumusque, T. Forveille, N. Hara, G. Hébrard, F. Kiefer, T. Lopez, L. Mignon, F. Moreau, O. Mousis, C. Moutou, F. Pepe, S. Perruchot, Y. Richaud, A. Santerne, N. C. Santos, R. Sottile, M. Stalport, D. Ségransan, S. Udry, and N. Unger
Astronomy and Astrophysics, 625, A17, may 2019 (accepted fev. 2019)
<https://www.aanda.org/articles/aa/abs/2019/05/aa35019-19/aa35019-19.html>

[58] The SOPHIE search for northern extrasolar planets XIV. A Warm Neptune around the M-dwarf Gl378

M. J. Hobson, X. Delfosse, N. Astudillo-Defru, I. Boisse, R. F. Díaz, F. Bouchy, X. Bonfils, T. Forveille, L. Arnold, S. Borgniet, **V. Bourrier**, B. Brugger, N. Cabrera, B. Courcol, S. Dalal, M. Deleuil, O. Demangeon, X. Dumusque, N. Hara, G. Hébrard, F. Kiefer, T. Lopez, L. Mignon, G. Montagnier, O. Mousis, C. Moutou, F. Pepe, J. Rey, A. Santerne, N. C. Santos, M. Stalport, D. Ségransan, S. Udry, and P.A Wilson
Astronomy and Astrophysics, 625, A18, may 2019 (accepted fev. 2019)
<https://www.aanda.org/articles/aa/abs/2019/05/aa34890-18/aa34890-18.html>

[57] Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS) II. Detection of neutral sodium on the ultra-hot giant WASP-76b

J. V. Seidel, D. Ehrenreich, A. Wyttenbach, R. Allart, L. Pino, M. Lendl, **V. Bourrier**, H. M. Cegla, C. Lovis, D. Barrado, D. Bayliss, N. Astudillo-Defru, A. Deline, K. Heng, R. Joseph, B. Lavie, C. Melo, F. Pepe, D. Ségransan, and S. Udry
Astronomy and Astrophysics, 623, A166, mar. 2019 (accepted jan. 2019)
<https://www.aanda.org/articles/aa/abs/2019/03/aa34776-18/aa34776-18.html>

[56] High-resolution confirmation of an extended helium atmosphere around WASP-107b

R. Allart, **V. Bourrier**, C. Lovis, D. Ehrenreich, J. Aceituno, A. Gujarro, F. Pepe, D.K. Sing, J.J. Spake, A. Wyttenbach
Astronomy and Astrophysics, 623, A58, mar. 2019 (accepted jan. 2019)
<https://www.aanda.org/articles/aa/abs/2019/03/aa34917-18/aa34917-18.html>

[55] The XUV irradiation and likely atmospheric escape of the super-Earth π Men c
G.W. King, P.J. Wheatley, **V. Bourrier**, and D. Ehrenreich
Monthly Notices of the Royal Astronomical Society, 484, 49, mar. 2019 (accepted jan. 2019)
<https://doi.org/10.1093/mnras/lsz003>

[54] Observability of hydrogen-rich exospheres in Earth-like exoplanets
L. A. dos Santos, **V. Bourrier**, D. Ehrenreich, and S. Kameda
Astronomy and Astrophysics, 622, A46, jan. 2019 (accepted nov. 2018)
<https://www.aanda.org/articles/aa/pdf/2019/02/aa33392-18.pdf>

[53] Detection of Nitrogen gas in the β Pictoris circumstellar disk
P. A. Wilson, R. Kerr, A. Lecavelier des Etangs, **V. Bourrier**, A. Vidal-Madjar, F. Kiefer, and I. A. G. Snellen
Astronomy and Astrophysics, 621, A121, jan. 2019 (accepted nov. 2018)
<https://www.aanda.org/articles/aa/abs/2019/01/aa34346-18/aa34346-18.html>

[52] Fe I in the Beta Pictoris circumstellar gas disk II. The time variations in the iron circumstellar gas
F. Kiefer, A. Vidal-Madjar, A. Lecavelier des Etangs, **V. Bourrier**, D. Ehrenreich, R. Ferlet, G. Hébrard, and P.A. Wilson
Astronomy and Astrophysics, 621, A58, jan. 2019 (accepted oct. 2018)
<https://www.aanda.org/articles/aa/abs/2019/01/aa34274-18/aa34274-18.html>

[51] Detection of helium in the atmosphere of the exo-Neptune HAT-P-11b
M. Mansfield, J.L. Bean, A. Oklopčić, L. Kreidberg, J.-M. Désert, E.M.-R. Kempton, M.R. Line, J.J. Fortney, G.W. Henry, M. Mallonn, K.B. Stevenson, D. Dragomir, R. Allart, and **V. Bourrier**
The Astrophysical Journal Letters, 868, 2, dec 2018 (accepted nov. 2018)
<http://iopscience.iop.org/article/10.3847/2041-8213/aaf166>

[50] Resolved helium absorption signature from the extended atmosphere of a warm Neptune
R. Allart, **V. Bourrier**, C. Lovis, D. Ehrenreich, J. Spake, A. Wyttenbach, L. Pino, F. Pepe, D. Sing, A. Lecavelier des Etangs
Science, dec 2018 (accepted nov. 2018)
<http://science.sciencemag.org/content/early/2018/12/05/science.aat5879>

[49] Disentangling the planet from the star in late type M dwarfs: A case study of TRAPPIST-1g
H.R. Wakeford, N.K. Lewis, J. Fowler, G. Bruno, T.J. Wilson, S.E. Moran, J. Valenti, N.E. Batalha, J. Filippazzo, **V. Bourrier**, S.M. Hörst, S.M. Lederer, and J. de Wit
The Astronomical Journal, 157, 1, dec. 2018 (accepted nov. 2018)
<http://iopscience.iop.org/article/10.3847/1538-3881/aaf04d>

[48] The HST PanCET program: hints of Na I and evidence of a cloudy atmosphere for the inflated hot Jupiter WASP-52b
M. K. Alam, N. Nikolov, M. Lopez-Morales, D.K. Sing, J. Goyal, G.W. Henry, J. Sanz-Forcada, M.H. Williamson, T.M. Evans, H.R. Wakeford, G. Bruno, G.E. Ballester, K. B. Stevenson, N.K. Lewis, J.K. Barstow, **V. Bourrier**, L.A. Buchhave, D. Ehrenreich, A. Garcia Munoz.
The Astronomical Journal, 156, 6, dec. 2018 (accepted nov. 2018)
<http://iopscience.iop.org/article/10.3847/1538-3881/aaee89>

[47] Hubble PanCET: An extended upper atmosphere of neutral hydrogen around the warm Neptune GJ 3470 b

V. Bourrier, A. Lecavelier des Etangs, D. Ehrenreich, J. Sanz-Forcada, R. Allart, G.E. Ballester, L.A. Buchhave, O. Cohen, D. Deming, T.M. Evans, A. Garcia Munoz, G.W. Henry, T. Kataria, P. Lavvas, N. Lewis, M. Lopez-Morales, M. Marley, D.K. Sing, H.R. Wakeford
Astronomy and Astrophysics, 620, A147, dec. 2018 (accepted oct. 2018) – Bourrier+2018d
<https://www.aanda.org/articles/aa/abs/2018/12/aa33675-18/aa33675-18.html>

[46] Evidence of star-planet interactions in the HD 189733 system from orbitally-phased Ca II K variations

P.W. Cauley, E.L. Shkolnik, J. Llama, **V. Bourrier**, and C. Moutou
The Astronomical Journal, 156, 262, dec. 2018 (accepted oct. 2018)
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