

Bibliography

Julien H. Girard

Summary (compiled on September 17th 2018)

3272 citations for a total of **193 references** in the **Astrophysics Data System** (ADS)
135 Combined accepted/published **Refereed (95)** & **SPIE Instrumentation (40)** papers
44 Lead Author papers (among top 5 authors) and **7 First Author** ones (1 submitted)
30 Hirsch **h-index** (*i.e.* 30 publications with ≥ 30 citations)

ADS beta bibliography enabling **Metrics & visualization tools**
Google Scholar bibliography
ORCID bibliography

Refereed articles

97. *Medium-resolution integral-field spectroscopy for high-contrast exoplanet imaging: Molecule maps of the β Pictoris system with SINFONI.*
Hoeijmakers, Schwarz, Snellen, de Kok, Bonnefoy, Chauvin, Lagrange, and **Girard**
Submitted for publication in A&A, ArXiv e-prints, arXiv:1802.09721, **2018**.
96. *Deep adaptive optics search around the brown dwarf binary LUH 16 AB at solar system scales*
Girard, Delorme, Lannier, Ivanov, Mawet, Bonnefoy, Milli, Mamajek, Melo, Boffin, and Lacour
Submitted for publication in A&A, **2018**.
95. *SPHERE / ZIMPOL high resolution polarimetric imager. I. System overview, PSF parameters, coronagraphy, and polarimetry.*
Schmid, Bazzon, Roelfsema, Mouillet, Milli, Menard, Gisler, Hunziker, Pragt, Dominik, Boccaletti, Ginski, Abe, Antonucci, Avenhaus, Baruffolo, Baudoz, Beuzit, Carbillet, Chauvin, Claudi, Costille, Daban, de Haan, Desidera, Dohlen, Downing, Elswijk, Engler, Feldt, Fusco, **Girard**, Gratton, Hanenburg, Henning, Hubin, Joos, Kasper, Keller, Langlois, Lagarde, Martinez, Mulder, Pavlov, Podio, Puget, Quanz, Rigal, Salasnich, Sauvage, Schuil, Siebenmorgen, Sissa, Snik, Suarez, Thalmann, Turatto, Udry, van Duin, van Holstein, Vigan, and Wildi
Accepted for publication in A&A, ArXiv e-prints, arXiv:1808.05008, **2018**.
94. *Dynamical masses of M-dwarf binaries in young moving groups: I - The case of TWA 22 and GJ 2060.*
Rodet, Bonnefoy, Durkan, Beust, Lagrange, Schlieder, Janson, Grandjean, Chauvin, Messina, Maire, Brandner, Girard, Delorme, Biller, Bergfors, Lacour, Feldt, Henning, Boccaletti,

Le Bouquin, Berger, Monin, Udry, Peretti, Segransan, Allard, Homeier, Vigan, Langlois, Hagelberg, Menard, Bazzon, Beuzit, Delboulbe, Desidera, Gratton, Lannier, Ligi, Maurel, Mesa, Meyer, Pavlov, Ramos, Rigal, Roelfsema, Salter, Samland, Schmidt, Stadler, and Weber

Accepted for publication in A&A, ArXiv e-prints, arXiv:1806.05491, 2018.

93. *Characterization of low-mass companion HD 142527 B.*
Christiaens, Casassus, Absil, Kimeswenger, Gomez Gonzalez, **Girard**, Ramírez, Wertz, Zurlo, Flores, Salinas, Jordán, and Mawet
Accepted for publication in A&A, ArXiv e-prints, arXiv:1806.04792, 2018.
92. *The gravitational mass of Proxima Centauri measured with SPHERE from a microlensing event.*
Zurlo, Gratton, Mesa, Desidera, Enia, Sahu, Almenara, Kervella, Avenhaus, **Girard**, Janson, Lagarde, Langlois, Milli, Perrot, Schlieder, Thalmann, Vigan, Giro, Gluck, Ramos, and Roux
Monthly Notices of the Royal Astronomical Society, 480, 236, 2018.
91. *SAFARI - I. A SPHERE discovery of a super metal-rich M-dwarf companion to the star HD 86006.*
Pantoja, Jenkins, **Girard**, Vigan, Salter, and Jones
Monthly Notices of the Royal Astronomical Society, 479, 4958, 2018.
90. *Orbital and atmospheric characterization of the planet within the gap of the PDS 70 transition disk.*
Müller, Keppler, Henning, Samland, Chauvin, Beust, Maire, Molaverdikhani, van Boekel, Benisty, Boccaletti, Bonnefoy, Cantalloube, Charnay, Baudino, Gennaro, Long, Cheetham, Desidera, Feldt, Fusco, **Girard**, Gratton, Hagelberg, Janson, Lagrange, Langlois, Lazzoni, Ligi, Ménard, Mesa, Meyer, Mollière, Mordasini, Moulin, Pavlov, Pawellek, Quanz, Ramos, Rouan, Sissa, Stadler, Vigan, Wahhaj, Weber, and Zurlo
Astronomy and Astrophysics, 617, L2, 2018.
89. *Discovery of a planetary-mass companion within the gap of the transition disk around PDS 70.*
Keppler, Benisty, Müller, Henning, van Boekel, Cantalloube, Ginski, van Holstein, Maire, Pohl, Samland, Avenhaus, Baudino, Boccaletti, de Boer, Bonnefoy, Chauvin, Desidera, Langlois, Lazzoni, Marleau, Mordasini, Pawellek, Stolker, Vigan, Zurlo, Birnstiel, Brandner, Feldt, Flock, **Girard**, Gratton, Hagelberg, Isella, Janson, Juhasz, Kemmer, Kral, Lagrange, Launhardt, Matter, Ménard, Milli, Mollière, Olofsson, Pérez, Pinilla, Pinte, Quanz, Schmidt, Udry, Wahhaj, Williams, Buenzli, Cudel, Dominik, Galicher, Kasper, Lannier, Mesa, Mouillet, Peretti, Perrot, Salter, Sissa, Wildi, Abe, Antichi, Augereau, Baruffolo, Baudoz, Bazzon, Beuzit, Blanchard, Brems, Buey, De Caprio, Carbillet, Carle, Cascone, Cheetham, Claudi, Costille, Delboulbé, Dohlen, Fantinel, Feautrier, Fusco, Giro, Gluck, Gry, Hubin, Hugot, Jaquet, Le Mignant, Llored, Madec, Magnard, Martinez, Maurel, Meyer, Müller-Nilsson, Moulin, Mugnier, Origné, Pavlov, Perret, Petit, Pragt, Puget, Rabou, Ramos, Rigal, Rochat, Roelfsema, Rousset, Roux, Salasnich, Sauvage, Sevin, Soenke, Stadler, Suarez, Turatto, and Weber
Astronomy and Astrophysics, 617, A44, 2018.

88. *Physical, spectral, and dynamical properties of asteroid (107) Camilla and its satellites.* Pajuelo, Carry, Vachier, Marsset, Berthier, Descamps, Merline, Tamblyn, Grice, Conrad, Storrs, Timerson, Dunham, Preston, Vigan, Yang, Vernazza, Fauvaud, Bernasconi, Romeuf, Behrend, Dumas, Drummond, Margot, Kervella, Marchis, and **Girard** *Icarus*, 309, 134, **2018**.
87. *First scattered light detection of a nearly edge-on transition disk around the T Tauri star RY Lupi.* Langlois, Pohl, Lagrange, Maire, Mesa, Boccaletti, Gratton, Denneulin, Klahr, Vigan, Benisty, Dominik, Bonnefoy, Menard, Avenhaus, Cheetham, Van Boekel, de Boer, Chauvin, Desidera, Feldt, Galicher, Ginski, **Girard**, Henning, Janson, Kopytova, Kral, Ligi, Messina, Peretti, Pinte, Sissa, Stolker, Zurlo, Magnard, Blanchard, Buey, Suarez, Cascone, Moller-Nilsson, Weber, Petit, and Pragt *Astronomy and Astrophysics*, 614, A88, **2018**.
86. *Observations of fast-moving features in the debris disk of AU Mic on a three-year timescale: Confirmation and new discoveries.* Boccaletti, Sezestre, Lagrange, Thébault, Gratton, Langlois, Thalmann, Janson, Delorme, Augereau, Schneider, Milli, Grady, Debes, Kral, Olofsson, Carson, Maire, Henning, Wisniewski, Schlieder, Dominik, Desidera, Ginski, Hines, Ménard, Mouillet, Pawellek, Vigan, Lagarde, Avenhaus, Beuzit, Biller, Bonavita, Bonnefoy, Brandner, Cantalloube, Chauvin, Cheetham, Cudel, Gry, Daemgen, Feldt, Galicher, **Girard**, Hagelberg, Janin-Potiron, Kasper, Coroller, Mesa, Peretti, Perrot, Samland, Sissa, Wildi, Zurlo, Rochat, Stadler, Gluck, Origné, Llored, Baudoz, Rousset, Martinez, and Rigal *Astronomy and Astrophysics*, 614, A52, **2018**.
85. *Dynamical models to explain observations with SPHERE in planetary systems with double debris belts.* Lazzoni, Desidera, Marzari, Boccaletti, Langlois, Mesa, Gratton, Kral, Pawellek, Olofsson, Bonnefoy, Chauvin, Lagrange, Vigan, Sissa, Antichi, Avenhaus, Baruffolo, Baudino, Bazzon, Beuzit, Biller, Bonavita, Brandner, Bruno, Buenzli, Cantalloube, Cascone, Cheetham, Claudi, Cudel, Daemgen, De Caprio, Delorme, Fantinel, Farisato, Feldt, Galicher, Ginski, **Girard**, Giro, Janson, Hagelberg, Henning, Incorvaia, Kasper, Kopytova, LeCoroller, Lessio, Ligi, Maire, Ménard, Meyer, Milli, Mouillet, Peretti, Perrot, Rouan, Samland, Salasnich, Salter, Schmidt, Scuderi, Sezestre, Turatto, Udry, Wildi, and Zurlo *Astronomy and Astrophysics*, 611, A43, **2018**.
84. *GALACTICNUCLEUS: A high angular resolution JHK_s imaging survey of the Galactic centre. I. Methodology, performance, and near-infrared extinction towards the Galactic centre.* Nogueras-Lara, Gallego-Calvente, Dong, Gallego-Cano, **Girard**, Hilker, de Zeeuw, Feldmeier-Krause, Nishiyama, Najarro, Neumayer, and Schüdel *Astronomy and Astrophysics*, 610, A83, **2018**.
83. *Investigation of the inner structures around HD 169142 with VLT/SPHERE.* Ligi, Vigan, Gratton, de Boer, Benisty, Boccaletti, Quanz, Meyer, Ginski, Sissa, Gry, Henning, Beuzit, Biller, Bonnefoy, Chauvin, Cheetham, Cudel, Delorme, Desidera, Feldt,

Galicher, **Girard**, Janson, Kasper, Kopytova, Lagrange, Langlois, Lecoroller, Maire, Ménard, Mesa, Peretti, Perrot, Pinilla, Pohl, Rouan, Stolker, Samland, Wahhaj, Wildi, Zurlo, Buey, Fantinel, Fusco, Jaquet, Moulin, Ramos, Suarez, and Weber
Monthly Notices of the Royal Astronomical Society, 473, 1774, **2018**.

82. *In-depth study of moderately young but extremely red, very dusty substellar companion HD 206893B.*
Delorme, Schmidt, Bonnefoy, Desidera, Ginski, Charnay, Lazzoni, Christiaens, Messina, D’Orazi, Milli, Schlieder, Gratton, Rodet, Lagrange, Absil, Vigan, Galicher, Hagelberg, Bonavita, Lavie, Zurlo, Olofsson, Boccaletti, Cantalloube, Mouillet, Chauvin, Hamsch, Langlois, Udry, Henning, Beuzit, Mordasini, Lucas, Marocco, Biller, Carson, Cheetham, Covino, De Caprio, Delboulbe, Feldt, **Girard**, Hubin, Maire, Pavlov, Petit, Rouan, Roelfsema, and Wildi
Astronomy and Astrophysics, 608, A79, **2017**.
81. *The HIP 79977 debris disk in polarized light.*
Engler, Schmid, Thalmann, Boccaletti, Bazzon, Baruffolo, Beuzit, Claudi, Costille, Desidera, Dohlen, Dominik, Feldt, Fusco, Ginski, Gisler, **Girard**, Gratton, Henning, Hubin, Janson, Kasper, Kral, Langlois, Lagadec, Ménard, Meyer, Milli, Mouillet, Olofsson, Pavlov, Pragt, Puget, Quanz, Roelfsema, Salasnich, Siebenmorgen, Sissa, Suarez, Szulagyi, Turatto, Udry, and Wildi
Astronomy and Astrophysics, 607, A90, **2017**.
80. *Discovery of a warm, dusty giant planet around HIP 65426.*
Chauvin, Desidera, Lagrange, Vigan, Gratton, Langlois, Bonnefoy, Beuzit, Feldt, Mouillet, Meyer, Cheetham, Biller, Boccaletti, D’Orazi, Galicher, Hagelberg, Maire, Mesa, Olofsson, Samland, Schmidt, Sissa, Bonavita, Charnay, Cudel, Daemgen, Delorme, Janin-Potiron, Janson, Keppler, Le Coroller, Ligi, Marleau, Messina, Mollière, Mordasini, Müller, Peretti, Perrot, Rodet, Rouan, Zurlo, Dominik, Henning, Menard, Schmid, Turatto, Udry, Vakili, Abe, Antichi, Baruffolo, Baudoz, Baudrand, Blanchard, Bazzon, Buey, Carbillet, Carle, Charton, Cascone, Claudi, Costille, Deboulbe, De Caprio, Dohlen, Fantinel, Feautrier, Fusco, Gigan, Giro, Gisler, Gluck, Hubin, Hugot, Jaquet, Kasper, Madec, Magnard, Martinez, Maurel, Le Mignant, Müller-Nilsson, Llored, Moulin, Origné, Pavlov, Perret, Petit, Pragt, Puget, Rabou, Ramos, Rigal, Rochat, Roelfsema, Rousset, Roux, Salasnich, Sauvage, Sevin, Soenke, Stadler, Suarez, Weber, Wildi, Antonucci, Augereau, Baudino, Brandner, Engler, **Girard**, Gry, Kral, Kopytova, Lagadec, Milli, Moutou, Schlieder, Szulagyi, Thalmann, and Wahhaj
Astronomy and Astrophysics, 605, L9, **2017**.
79. *A search for passive protoplanetary discs in the Taurus-Auriga star-forming region.*
Duchêne, Becker, Yang, Bouy, De Rosa, Patience, and **Girard**
Monthly Notices of the Royal Astronomical Society, 469, 1783, **2017**.
78. *Exploring Dust around HD 142527 down to 0."025 (4 au) Using SPHERE/ZIMPOL.*
Avenhaus, Quanz, Schmid, Dominik, Stolker, Ginski, de Boer, Szulagyi, Garufi, Zurlo, Hagelberg, Benisty, Henning, Ménard, Meyer, Baruffolo, Bazzon, Beuzit, Costille, Dohlen, **Girard**, Gisler, Kasper, Mouillet, Pragt, Roelfsema, Salasnich, and Sauvage
The Astronomical Journal, 154, 33, **2017**.

77. [*A Resolved and Asymmetric Ring of PAHs within the Young Circumstellar Disk of IRS 48.*](#)
Schworer, Lacour, Huélamo, Pinte, Chauvin, Coudé du Foresto, Ehrenreich, **Girard**, and Tuthill
The Astrophysical Journal, 842, 77, **2017**.
76. [*The VLT/NaCo large program to probe the occurrence of exoplanets and brown dwarfs at wide orbits. IV. Gravitational instability rarely forms wide, giant planets.*](#)
Vigan, Bonavita, Biller, Forgan, Rice, Chauvin, Desidera, Meunier, Delorme, Schlieder, Bonnefoy, Carson, Covino, Hagelberg, Henning, Janson, Lagrange, Quanz, Zurlo, Beuzit, Boccaletti, Buenzli, Feldt, **Girard**, Gratton, Kasper, Le Coroller, Mesa, Messina, Meyer, Montagnier, Mordasini, Mouillet, Moutou, Reggiani, Segransan, and Thalmann
Astronomy and Astrophysics, 603, A3, **2017**.
75. [*SPHERE/ZIMPOL observations of the symbiotic system R Aquarii. I. Imaging of the stellar binary and the innermost jet clouds.*](#)
Schmid, Bazzon, Milli, Roelfsema, Engler, Mouillet, Lagadec, Sissa, Sauvage, Ginski, Baruffolo, Beuzit, Boccaletti, Bohn, Claudi, Costille, Desidera, Dohlen, Dominik, Feldt, Fusco, Gisler, **Girard**, Gratton, Henning, Hubin, Joos, Kasper, Langlois, Pavlov, Pragt, Puget, Quanz, Salasnich, Siebenmorgen, Stute, Suarez, Szulágyi, Thalmann, Turatto, Udry, Vigan, and Wildi
Astronomy and Astrophysics, 602, A53, **2017**.
74. [*Upper limits for mass and radius of objects around Proxima Cen from SPHERE/VLT.*](#)
Mesa, Zurlo, Milli, Gratton, Desidera, Langlois, Vigan, Bonavita, Antichi, Avenhaus, Baruffolo, Biller, Boccaletti, Bruno, Cascone, Chauvin, Claudi, De Caprio, Fantinel, Farisato, **Girard**, Giro, Hagelberg, Incorvaia, Janson, Kral, Lagadec, Lagrange, Lessio, Meyer, Peretti, Perrot, Salasnich, Schlieder, Schmid, Scuderi, Sissa, Thalmann, and Turatto
Monthly Notices of the Royal Astronomical Society, 466, L118, **2017**.
73. [*BP Piscium: its flaring disc imaged with SPHERE/ZIMPOL.*](#)
de Boer, **Girard**, Canovas, Min, Sitko, Ginski, Jeffers, Mawet, Milli, Rodenhuis, Snik, and Keller
Monthly Notices of the Royal Astronomical Society, 466, L7, **2017**.
72. [*Three Radial Gaps in the Disk of TW Hydrae Imaged with SPHERE.*](#)
van Boekel, Henning, Menu, de Boer, Langlois, Müller, Avenhaus, Boccaletti, Schmid, Thalmann, Benisty, Dominik, Ginski, **Girard**, Gisler, Lobo Gomes, Menard, Min, Pavlov, Pohl, Quanz, Rabou, Roelfsema, Sauvage, Teague, Wildi, and Zurlo
The Astrophysical Journal, 837, 132, **2017**.
71. [*Near-infrared scattered light properties of the HR 4796 A dust ring. A measured scattering phase function from 13.6° to 166.6°.*](#)
Milli, Vigan, Mouillet, Lagrange, Augereau, Pinte, Mawet, Schmid, Boccaletti, Matrà, Kral, Ertel, Chauvin, Bazzon, Ménard, Beuzit, Thalmann, Dominik, Feldt, Henning, Min, **Girard**, Galicher, Bonnefoy, Fusco, de Boer, Janson, Maire, Mesa, Schlieder, and SPHERE Consortium
Astronomy and Astrophysics, 599, A108, **2017**.

70. [VLT/SPHERE robust astrometry of the HR8799 planets at milliarcsecond-level accuracy. Orbital architecture analysis with PyAstrOFit.](#)
Wertz, Absil, Gómez González, Milli, **Girard**, Mawet, and Pueyo
Astronomy and Astrophysics, 598, A83, **2017**.
69. [First Scattered-light Images of the Gas-rich Debris Disk around 49 Ceti.](#)
Choquet, Milli, Wahhaj, Soummer, Roberge, Augereau, Booth, Absil, Boccaletti, Chen, Debes, del Burgo, Dent, Ertel, **Girard**, Gofas-Salas, Golimowski, Gómez González, Hagan, Hiban, Hines, Kennedy, Lagrange, Matrà, Mawet, Mouillet, N'Diaye, Perrin, Pinte, Pueyo, Rajan, Schneider, Wolff, and Wyatt
The Astrophysical Journal, 834, L12, **2017**.
68. [Discovery of a low-mass companion inside the debris ring surrounding the F5V star HD 206893.](#)
Milli, Hiban, Christiaens, Choquet, Bonnefoy, Kennedy, Wyatt, Absil, Gómez González, del Burgo, Matrà, Augereau, Boccaletti, Delacroix, Ertel, Dent, Forsberg, Fusco, **Girard**, Habraken, Huby, Karlsson, Lagrange, Mawet, Mouillet, Perrin, Pinte, Pueyo, Reyes, Soummer, Surdej, Tarricq, and Wahhaj
Astronomy and Astrophysics, 597, L2, **2017**.
67. [First scattered-light images of the gas-rich debris disk around 49 Ceti.](#)
Choquet, Milli, Wahhaj, Soummer, Roberge, Augereau, Booth, Absil, Boccaletti, Chen, Debes, del Burgo, Dent, Ertel, **Girard**, Gofas-Salas, Golimowski, Gómez González, Hagan, Hiban, Hines, Kennedy, Lagrange, Matrà, Mawet, Mouillet, N'Diaye, Perrin, Pinte, Pueyo, Rajan, Schneider, Wolff, and Wyatt
ArXiv e-prints, arXiv:1612.07320, **2016**.
66. [Upper limits for Mass and Radius of objects around Proxima Cen from SPHERE/VLT.](#)
Mesa, Zurlo, Milli, Gratton, Desidera, Langlois, Vigan, Bonavita, Antichi, Avenhaus, Baruffolo, Biller, Boccaletti, Bruno, Cascone, Chauvin, Claudi, De Caprio, Fantinel, Farisato, **Girard**, Giro, Hagelberg, Incorvaia, Janson, Kral, Lagadec, Lagrange, Lessio, Meyer, Peretti, Perrot, Salasnich, Schlieder, Schmid, Scuderi, Sissa, Thalmann, and Turatto
ArXiv e-prints, arXiv:1611.10362, **2016**.
65. [Discovery of a low-mass companion inside the debris ring surrounding the F5V star HD 206893.](#)
Milli, Hiban, Christiaens, Choquet, Bonnefoy, Kennedy, Wyatt, Absil, Gómez González, del Burgo, Matrà, Augereau, Boccaletti, Delacroix, Ertel, Dent, Forsberg, Fusco, **Girard**, Habraken, Huby, Karlsson, Lagrange, Mawet, Mouillet, Perrin, Pinte, Pueyo, Reyes, Soummer, Surdej, Tarricq, and Wahhaj
Astronomy and Astrophysics, 597, L2, **2016**.
64. [MASSIVE: A Bayesian analysis of giant planet populations around low-mass stars.](#)
Lannier, Delorme, Lagrange, Borgniet, Rameau, Schlieder, Gagné, Bonavita, Malo, Chauvin, Bonnefoy, and **Girard**
Astronomy and Astrophysics, 596, A83, **2016**.
63. [The SHARDDS survey: First resolved image of the HD 114082 debris disk in the Lower Centaurus Crux with SPHERE.](#)

Wahhaj, Milli, Kennedy, Ertel, Matrà, Boccaletti, del Burgo, Wyatt, Pinte, Lagrange, Absil, Choquet, Gómez González, Kobayashi, Mawet, Mouillet, Pueyo, Dent, Augereau, and **Girard**
Astronomy and Astrophysics, 596, L4, **2016**.

62. *Multiple rings in the transition disk and companion candidates around RXJ1615.3-3255. High contrast imaging with VLT/SPHERE.*
de Boer, Salter, Benisty, Vigan, Boccaletti, Pinilla, Ginski, Juhasz, Maire, Messina, Desidera, Cheetham, **Girard**, Wahhaj, Langlois, Bonnefoy, Beuzit, Buenzli, Chauvin, Dominik, Feldt, Gratton, Hagelberg, Isella, Janson, Keller, Lagrange, Lannier, Menard, Mesa, Mouillet, Mugrauer, Peretti, Perrot, Sissa, Snik, Vogt, Zurlo, and Consortium
Accepted for publication in Astronomy and Astrophysics, arXiv:1610.04038, **2016**.
61. *Direct detection of scattered light gaps in the transitional disk around HD 97048 with VLT/SPHERE.*
Ginski, Stolker, Pinilla, Dominik, Boccaletti, de Boer, Benisty, Biller, Feldt, Garufi, Keller, Kenworthy, Maire, Ménard, Mesa, Milli, Min, Pinte, Quanz, van Boekel, Bonnefoy, Chauvin, Desidera, Gratton, **Girard**, Keppler, Kopytova, Lagrange, Langlois, Rouan, and Vigan
Accepted for publication in Astronomy and Astrophysics, arXiv:1609.04027, **2016**.
60. *Calibration of quasi-static aberrations in exoplanet direct-imaging instruments with a Zernike phase-mask sensor. II. Concept validation with ZELDA on VLT/SPHERE.*
N'Diaye, Vigan, Dohlen, Sauvage, Caillat, Costille, **Girard**, Beuzit, Fusco, Blanchard, Le Merrer, Le Mignant, Madec, Moreaux, Mouillet, Puget, and Zins
Astronomy and Astrophysics, 592, A79, **2016**.
59. *Sparse aperture masking at the VLT II. Detection limits for the eight debris disks stars β Pic, AU Mic, 49 Cet, η Tel, Fomalhaut, g Lup, HD181327 and HR8799.*
Gauchet, Lacour, Lagrange, Ehrenreich, Bonnefoy, **Girard**, and Boccaletti
Accepted in Astronomy and Astrophysics, arXiv:1606.08498, **2016**.
58. *Discovery of concentric broken rings at sub-arcsec separations in the HD 141569A gas-rich, debris disk with VLT/SPHERE.*
Perrot, Boccaletti, Pantin, Augereau, Lagrange, Galicher, Maire, Mazoyer, Milli, Rousset, Gratton, Bonnefoy, Brandner, Buenzli, Langlois, Lannier, Mesa, Peretti, Salter, Sissa, Chauvin, Desidera, Feldt, Vigan, Di Folco, Dutrey, Péricaud, Baudoz, Benisty, de Boer, Garufi, **Girard**, Menard, Olofsson, Quanz, Mouillet, Christiaens, Casassus, Beuzit, Blanchard, Carle, Fusco, Giro, Hubin, Maurel, Moeller-Nilsson, Sevin, and Weber
Astronomy and Astrophysics, 590, L7, **2016** .
57. *An M-dwarf star in the transition disk of Herbig HD142527; Physical parameters and orbital elements.*
Lacour, Biller, Cheetham, Greenbaum, Pearce, Marino, Tuthill, Pueyo, Mamajek, **Girard**, Sivaramakrishnan, Bonnefoy, Baraffe, Chauvin, Olofsson, Juhasz, Benisty, Pott, Sicilia-Aguilar, Henning, Cardwell, Goodsell, Graham, Hiben, Ingraham, Konopacky, Macintosh, Oppenheimer, Perrin, Rantakyro, Sadakuni, and Thomas
Astronomy and Astrophysics, 590, A90, **2016**.

56. *SAXO: the extreme adaptive optics system of SPHERE (I) system overview and global laboratory performance.*
Sauvage, Fusco, Petit, Costille, Mouillet, Beuzit, Dohlen, Kasper, Suarez, Soenke, Baruffolo, Salasnich, Rochat, Fedrigo, Baudoz, Hugot, Sevin, Perret, Wildi, Downing, Feautrier, Puget, Vigan, O'Neal, **Girard**, Mawet, Schmid, and Roelfsema
Journal of Astronomical Telescopes, Instruments, and Systems, 2, 025003, **2016**.
55. *Luminous blue variables: An imaging perspective on their binarity and near environment.*
Martayan, Lobel, Baade, Mehner, Rivinius, Boffin, **Girard**, Mawet, Montagnier, Blomme, Kervella, Sana, Štefl, Zorec, Lacour, Le Bouquin, Martins, Mérand, Patru, Selman, and Frémat
Astronomy and Astrophysics, 587, A115, **2016**.
54. *First light of the VLT planet finder SPHERE. IV. Physical and chemical properties of the planets around HR8799.*
Bonnefoy, Zurlo, Baudino, Lucas, Mesa, Maire, Vigan, Galicher, Homeier, Marocco, Gratton, Chauvin, Allard, Desidera, Kasper, Moutou, Lagrange, Antichi, Baruffolo, Baudrand, Beuzit, Boccaletti, Cantalloube, Carbillet, Charton, Claudi, Costille, Dohlen, Dominik, Fantinel, Feautrier, Feldt, Fusco, Gigan, **Girard**, Gluck, Gry, Henning, Janson, Langlois, Madec, Magnard, Maurel, Mawet, Meyer, Milli, Möller-Nilsson, Mouillet, Pavlov, Perret, Pujet, Quanz, Rochat, Rousset, Roux, Salasnich, Salter, Sauvage, Schmid, Sevin, Soenke, Stadler, Turatto, Udry, Vakili, Wahhaj, and Wildi
Astronomy and Astrophysics, 587, A58, **2016**.
53. *First light of the VLT planet finder SPHERE. III. New spectrophotometry and astrometry of the HR 8799 exoplanetary system.*
Zurlo, Vigan, Galicher, Maire, Mesa, Gratton, Chauvin, Kasper, Moutou, Bonnefoy, Desidera, Abe, Apai, Baruffolo, Baudoz, Baudrand, Beuzit, Blancard, Boccaletti, Cantalloube, Carle, Charton, Claudi, Costille, de Caprio, Dohlen, Dominik, Fantinel, Feautrier, Feldt, Fusco, Gascone, Gigan, **Girard**, Gissler, Gluck, Gry, Henning, Hugot, Janson, Jacquet, Lagrange, Langlois, Llored, Made, Magnard, Martinez, Maurel, Mawet, Meyer, Milli, Möller-Nilsson, Mouillet, Origné, Pavlov, Petit, Puget, Quanz, Rabou, Ramos, Roux, Salasnich, Salter, Sauvage, Schmid, Soenke, Stadler, Suarez, Turatto, Udry, Vakili, Wahhaj, Wildi, and Antichi
Astronomy and Astrophysics, 587, A57, **2016**.
52. *First light of the VLT planet finder SPHERE. II. The physical properties and the architecture of the young systems PZ Telescopii and HD 1160 revisited.*
Maire, Bonnefoy, Ginski, Vigan, Messina, Mesa, Galicher, Gratton, Desidera, Kopytova, Millward, Thalmann, Claudi, Ehrenreich, Zurlo, Chauvin, Antichi, Baruffolo, Bazzon, Beuzit, Blanchard, Boccaletti, de Boer, Carle, Cascone, Costille, De Caprio, Delboulb e, Dohlen, Dominik, Feldt, Fusco, **Girard**, Giro, Gisler, Gluck, Gry, Henning, Hubin, Hugot, Jaquet, Kasper, Lagrange, Langlois, Le Mignant, Llored, Madec, Martinez, Mawet, Milli, M oller-Nilsson, Mouillet, Moulin, Moutou, Origné, Pavlov, Petit, Pragt, Puget, Ramos, Rochat, Roelfsema, Salasnich, Sauvage, Schmid, Turatto, Udry, Vakili, Wahhaj, Weber, and Wildi
Astronomy and Astrophysics, 587, A56, **2016**.

51. *First light of the VLT planet finder SPHERE. I. Detection and characterization of the sub-stellar companion GJ 758 B.*
Vigan, Bonnefoy, Ginski, Beust, Galicher, Janson, Baudino, Buenzli, Hagelberg, D’Orazi, Desidera, Maire, Gratton, Sauvage, Chauvin, Thalmann, Malo, Salter, Zurlo, Antichi, Baruffolo, Baudoz, Blanchard, Boccaletti, Beuzit, Carle, Claudi, Costille, Delboulbé, Dohlen, Dominik, Feldt, Fusco, Gluck, **Girard**, Giro, Gry, Henning, Hubin, Hugot, Jaquet, Kasper, Lagrange, Langlois, Le Mignant, Llored, Madec, Martinez, Mawet, Mesa, Milli, Mouillet, Moulin, Moutou, Origné, Pavlov, Perret, Petit, Pragt, Puget, Rabou, Rochat, Roelfsema, Salasnich, Schmid, Sevin, Siebenmorgen, Smette, Stadler, Suarez, Turatto, Udry, Vakili, Wahhaj, Weber, and Wildi
Astronomy and Astrophysics, 587, A55, **2016**.
50. *A narrow, edge-on disk resolved around HD 106906 with SPHERE.*
Lagrange, Langlois, Gratton, Maire, Milli, Olofsson, Vigan, Bailey, Mesa, Chauvin, Boccaletti, Galicher, **Girard**, Bonnefoy, Samland, Menard, Henning, Kenworthy, Thalmann, Beust, Beuzit, Brandner, Buenzli, Cheetham, Janson, le Coroller, Lannier, Mouillet, Peretti, Perrot, Salter, Sissa, Wahhaj, Abe, Desidera, Feldt, Madec, Perret, Petit, Rabou, Soenke, and Weber
Astronomy and Astrophysics, 586, L8, **2016**.
49. *Variability and dust filtration in the transition disk J160421.7-213028 observed in optical scattered light.*
Pinilla, de Boer, Benisty, Juhász, de Juan Ovelar, Dominik, Avenhaus, Birnstiel, **Girard**, Huelamo, Isella, and Milli
Astronomy and Astrophysics, 584, L4, **2015**.
48. *Fast-moving features in the debris disk around AU Microscopii.*
Boccaletti, Thalmann, Lagrange, Janson, Augereau, Schneider, Milli, Grady, Debes, Langlois, Mouillet, Henning, Dominik, Maire, Beuzit, Carson, Dohlen, Engler, Feldt, Fusco, Ginski, **Girard**, Hines, Kasper, Mawet, Ménard, Meyer, Moutou, Olofsson, Rodigas, Sauvage, Schlieder, Schmid, Turatto, Udry, Vakili, Vigan, Wahhaj, and Wisniewski
Nature, 526, 230, **2015**.
47. *The VLT/NaCo large program to probe the occurrence of exoplanets and brown dwarfs at wide orbits. III. The frequency of brown dwarfs and giant planets as companions to solar-type stars.*
Reggiani, Meyer, Chauvin, Vigan, Quanz, Biller, Bonavita, Desidera, Delorme, Hagelberg, Maire, Boccaletti, Beuzit, Buenzli, Carson, Covino, Feldt, **Girard**, Gratton, Henning, Kasper, Lagrange, Mesa, Messina, Montagnier, Mordasini, Mouillet, Schlieder, Segransan, Thalmann, and Zurlo
Accepted in Astronomy and Astrophysics, arXiv:1510.08453, **2015**.
46. *Pluto’s Atmosphere from Stellar Occultations in 2012 and 2013.*
Dias-Oliveira, Sicardy, Lellouch, Vieira-Martins, Assafin, Camargo, Braga-Ribas, Gomes-Júnior, Benedetti-Rossi, Colas, Decock, Doressoundiram, Dumas, Emilio, Fabrega Poleri, Gil-Hutton, Gillon, **Girard**, Hau, Ivanov, Jehin, Lecacheux, Leiva, Lopez-Sisterna, Mancini, Manfroid, Maury, Meza, Morales, Nagy, Opitom, Ortiz, Pollock, Roques, Snodgrass, Soulier, Thirouin, Vanzi, Widemann, Reichart, LaCluyze, Haislip, Ivarsen, Dominik,

Jørgensen, and Skottfelt
The Astrophysical Journal, 811, 53, **2015**.

45. [Confirmation and Characterization of the Protoplanet HD 100546 b - Direct Evidence for Gas Giant Planet Formation at 50 AU.](#)
Quanz, Amara, Meyer, **Girard**, Kenworthy, and Kasper
The Astrophysical Journal, 807, 64, **2015**.
44. [The inner environment of Z Canis Majoris: High-contrast imaging polarimetry with NaCo.](#)
Canovas, Perez, Dougados, de Boer, Ménard, Casassus, Schreiber, Cieza, Caceres, and **Girard**
Astronomy and Astrophysics, 578, L1, **2015**.
43. [The dust disk and companion of the nearby AGB star L₂ Puppis. SPHERE/ZIMPOL polarimetric imaging at visible wavelengths.](#)
Kervella, Montargès, Lagadec, Ridgway, Haubois, **Girard**, Ohnaka, Perrin, and Gallenne
Astronomy and Astrophysics, 578, A77, **2015**.
42. [WISE J061213.85-303612.5: a new T-dwarf binary candidate.](#)
Huélamo, Ivanov, Kurtev, **Girard**, Borissova, Mawet, Mužić, Cáceres, Melo, Sterzik, and Minniti
Astronomy and Astrophysics, 578, A1, **2015**.
41. [New constraints on the dust surrounding HR 4796A.](#)
Milli, Mawet, Pinte, Lagrange, Mouillet, **Girard**, Augereau, de Boer, Pueyo, and Choquet
Astronomy and Astrophysics, 577, A57, **2015**.
40. [The VLT/NaCo large program to probe the occurrence of exoplanets and brown dwarfs at wide orbits. II. Survey description, results, and performances.](#)
Chauvin, Vigan, Bonnefoy, Desidera, Bonavita, Mesa, Boccaletti, Buenzli, Carson, Delorme, Hagelberg, Montagnier, Mordasini, Quanz, Segransan, Thalmann, Beuzit, Biller, Covino, Feldt, **Girard**, Gratton, Henning, Kasper, Lagrange, Messina, Meyer, Mouillet, Moutou, Reggiani, Schlieder, and Zurlo
Astronomy and Astrophysics, 573, A127, **2015**.
39. [Deep Thermal Infrared Imaging of HR 8799 bcde: New Atmospheric Constraints and Limits on a Fifth Planet.](#)
Currie, Burrows, **Girard**, Cloutier, Fukagawa, Sorahana, Kuchner, Kenyon, Madhusudhan, Itoh, Jayawardhana, Matsumura, and Pyo
The Astrophysical Journal, 795, 133, **2014**.
38. [Discovery of a Companion Candidate in the HD 169142 Transition Disk and the Possibility of Multiple Planet Formation.](#)
Reggiani, Quanz, Meyer, Pueyo, Absil, Amara, Anglada, Avenhaus, **Girard**, Carrasco Gonzalez, Graham, Mawet, Meru, Milli, Osorio, Wolff, and Torrelles
The Astrophysical Journal, 792, L23, **2014**.
37. [Searching for visual companions of close Cepheids. VLT/NACO lucky imaging of Y Oph, FF Aql, X Sgr, W Sgr, and η Aql.](#)

- Gallenne, Kervella, Mérand, Evans, **Girard**, Gieren, and Pietrzyński
Astronomy and Astrophysics, 567, A60, **2014**.
36. *Very deep images of the innermost regions of the β Pictoris debris disc at L'.*
Milli, Lagrange, Mawet, Absil, Augereau, Mouillet, Boccaletti, **Girard**, and Chauvin
Astronomy and Astrophysics, 566, A91, **2014**.
35. *Ground-based transit observations of the super-Earth GJ 1214 b.*
Cáceres, Kabath, Hoyer, Ivanov, Rojo, **Girard**, Miller-Ricci Kempton, Fortney, and Minniti
Astronomy and Astrophysics, 565, A7, **2014**.
34. *Characterization of the Benchmark Binary NLTT 33370.*
Schlieder, Bonnefoy, Herbst, Lépine, Berger, Henning, Skemer, Chauvin, Rice, Biller, **Girard**, Lagrange, Hinz, Defrère, Bergfors, Brandner, Lacour, Skrutskie, and Leisenring
The Astrophysical Journal, 783, 27, **2014**.
33. *Possible astrometric discovery of a substellar companion to the closest binary brown dwarf system WISE J104915.57-531906.1.*
Boffin, Pourbaix, Mužić, Ivanov, Kurtev, Beletsky, Mehner, Berger, **Girard**, and Mawet
Astronomy and Astrophysics, 561, L4, **2014**.
32. *Confirmation of the Planet around HD 95086 by Direct Imaging.*
Rameau, Chauvin, Lagrange, Meshkat, Boccaletti, Quanz, Currie, Mawet, **Girard**, Bonnefoy, and Kenworthy
The Astrophysical Journal, 779, L26, **2013**.
31. *Searching for companions down to 2 AU from β Pictoris using the L'-band AGPM coronagraph on VLT/NACO.*
Absil, Milli, Mawet, Lagrange, **Girard**, Chauvin, Boccaletti, Delacroix, and Surdej
Astronomy and Astrophysics, 559, L12, **2013**.
30. *A Combined Very Large Telescope and Gemini Study of the Atmosphere of the Directly Imaged Planet, β Pictoris b.*
Currie, Burrows, Madhusudhan, Fukagawa, **Girard**, Dawson, Murray-Clay, Kenyon, Kuchner, Matsumura, Jayawardhana, Chambers, and Bromley
The Astrophysical Journal, 776, 15, **2013**.
29. *A Multiplicity Census of Intermediate-mass Stars in Scorpius-Centaurus.*
Janson, Lafrenière, Jayawardhana, Bonavita, **Girard**, Brandeker, and Gizis
The Astrophysical Journal, 773, 170, **2013**.
28. *Discovery of a Probable 4-5 Jupiter-mass Exoplanet to HD 95086 by Direct Imaging.*
Rameau, Chauvin, Lagrange, Boccaletti, Quanz, Bonnefoy, **Girard**, Delorme, Desidera, Klahr, Mordasini, Dumas, and Bonavita
The Astrophysical Journal, 772, L15, **2013**.
27. *Prospects of detecting the polarimetric signature of the Earth-mass planet α Centauri B b with SPHERE/ZIMPOL.*
Milli, Mouillet, Mawet, Schmid, Bazzon, **Girard**, Dohlen, and Roelfsema
Astronomy and Astrophysics, 556, A64, **2013**.

26. [*The near-infrared spectral energy distribution of \$\beta\$ Pictoris b.*](#)
Bonnetfoy, Boccaletti, Lagrange, Allard, Mordasini, Beust, Chauvin, **Girard**, Homeier, Apai, Lacour, and Rouan
Astronomy and Astrophysics, 555, A107, **2013**.
25. [*Characterization of the nearby L/T Binary Brown Dwarf WISE J104915.57-531906.1 at 2 Pc from the Sun.*](#)
Kniazev, Vaisanen, Mužić, Mehner, Boffin, Kurtev, Melo, Ivanov, **Girard**, Mawet, Schmid-tobreick, Huelamo, Borissova, Minniti, Ishibashi, Potter, Beletsky, Buckley, Crawford, Gulbis, Kotze, Mszalski, Pickering, Romero Colmenero, and Williams
The Astrophysical Journal, 770, 124, **2013**.
24. [*Direct-imaging discovery of a 12-14 Jupiter-mass object orbiting a young binary system of very low-mass stars.*](#)
Delorme, Gagné, **Girard**, Lagrange, Chauvin, Naud, Lafrenière, Doyon, Riedel, Bonnetfoy, and Malo
Astronomy and Astrophysics, 553, L5, **2013**.
23. [*A survey of young, nearby, and dusty stars conducted to understand the formation of wide-orbit giant planets. VLT/NaCo adaptive optics thermal and angular differential imaging.*](#)
Rameau, Chauvin, Lagrange, Klahr, Bonnetfoy, Mordasini, Bonavita, Desidera, Dumas, and **Girard**
Astronomy and Astrophysics, 553, A60, **2013**.
22. [*L'-band AGPM vector vortex coronagraph's first light on VLT/NACO. Discovery of a late-type companion at two beamwidths from an F0V star.*](#)
Mawet, Absil, Delacroix, **Girard**, Milli, O'Neal, Baudoz, Boccaletti, Bourget, Christiaens, Forsberg, Gonté, Habraken, Hanot, Karlsson, Kasper, Lizon, Muzic, Olivier, Peña, Slusarenko, TAcconi-Garman, and Surdej
Astronomy and Astrophysics, 552, L13, **2013**.
21. [*A Young Protoplanet Candidate Embedded in the Circumstellar Disk of HD 100546.*](#)
Quanz, Amara, Meyer, Kenworthy, Kasper, and **Girard**
The Astrophysical Journal, 766, L1, **2013**.
20. [*Holographic imaging of crowded fields: high angular resolution imaging with excellent quality at very low cost.*](#)
Schödel, Yelda, Ghez, **Girard**, Labadie, Rebolo, Pérez-Garrido, and Morris
Monthly Notices of the Royal Astronomical Society, 429, 1367, **2013**.
19. [*Coronagraphic Observations of Fomalhaut at Solar System Scales.*](#)
Kenworthy, Meshkat, Quanz, **Girard**, Meyer, and Kasper
The Astrophysical Journal, 764, 7, **2013**.
18. [*Flows of gas through a protoplanetary gap.*](#)
Casassus, van der Plas, M, Dent, Fomalont, Hagelberg, Hales, Jordán, Mawet, Ménard, Wootten, Wilner, Hughes, Schreiber, **Girard**, Ercolano, Canovas, Román, and Salinas
Nature, 493, 191, **2013**.

17. *New Brown Dwarf Companions to Young Stars in Scorpius-Centaurus.*
Janson, Jayawardhana, **Girard**, Lafrenière, Bonavita, Gizis, and Brandeker
The Astrophysical Journal, 758, L2, **2012**.
16. *High-contrast imaging of the close environment of HD 142527. VLT/NaCo adaptive optics thermal and angular differential imaging.*
Rameau, Chauvin, Lagrange, Thébault, Milli, **Girard**, and Bonnefoy
Astronomy and Astrophysics, 546, A24, **2012**.
15. *Direct imaging of extra-solar planets in star forming regions. Lessons learned from a false positive around IM Lupi.*
Mawet, Absil, Montagnier, Riaud, Surdej, Ducourant, Augereau, Röttinger, **Girard**, Krist, and Stapelfeldt
Astronomy and Astrophysics, 544, A131, **2012**.
14. *Orbital characterization of the β Pictoris b giant planet.*
Chauvin, Lagrange, Beust, Bonnefoy, Boccaletti, Apai, Allard, Ehrenreich, **Girard**, Mouillet, and Rouan
Astronomy and Astrophysics, 542, A41, **2012**.
13. *The position of β Pictoris b position relative to the debris disk.*
Lagrange, Boccaletti, Milli, Chauvin, Bonnefoy, Mouillet, Augereau, **Girard**, Lacour, and Apai
Astronomy and Astrophysics, 542, A40, **2012**.
12. *Searching for Gas Giant Planets on Solar System Scales: VLT NACO/APP Observations of the Debris Disk Host Stars HD172555 and HD115892.*
Quanz, Kenworthy, Meyer, **Girard**, and Kasper
The Astrophysical Journal, 736, L32, **2011**.
11. *High angular resolution detection of β Pictoris b at 2.18 μ m.*
Bonnefoy, Lagrange, Boccaletti, Chauvin, Apai, Allard, Ehrenreich, **Girard**, Mouillet, Rouan, Gratadour, and Kasper
Astronomy and Astrophysics, 528, L15, **2011**.
10. *Spatially extended emission around the Cepheid RS Puppis in near-infrared hydrogen lines. Adaptive optics imaging with VLT/NACO.*
Gallenne, Mérand, Kervella, and **Girard**
Astronomy and Astrophysics, 527, A51, **2011**.
9. *Adaptive optics observations of the T10 ultracool dwarf UGPS J072227.51-054031.2.*
Bouy, **Girard**, Martín, Huélamo, and Lucas
Astronomy and Astrophysics, 526, A55, **2011**.
8. *X-shooter, NACO, and AMBER observations of the LBV Pistol Star.*
Martayan, Blomme, Le Bouquin, Merand, Montagnier, Selman, **Girard**, Fox, Baade, Frémat, Lobel, Martins, Patru, Rivinius, Sana, Stefl, Zorec, and Semaan
Bulletin de la Societe Royale des Sciences de Liege, 80, 400, **2011**.

7. [*First Results from Very Large Telescope NACO Apodizing Phase Plate: 4 \$\mu\$ m Images of The Exoplanet \$\beta\$ Pictoris b.*](#)
Quanz, Meyer, Kenworthy, **Girard**, Kasper, Lagrange, Apai, Boccaletti, Bonnefoy, Chauvin, Hinz, and Lenzen
The Astrophysical Journal, 722, L49, **2010**.
6. [*Follow-up observations of binary ultra-cool dwarfs.*](#)
Bouy, Martín, Brandner, Forveille, Delfosse, Huélamo, Basri, **Girard**, Zapatero Osorio, Stumpf, Ghez, Valdivielso, Marchis, Burgasser, and Cruz
Astronomy and Astrophysics, 481, 757, **2008**.
5. [*Techniques for measuring atmospheric aerosols at the high resolution fly's eye experiment.*](#)
Abbasi, Abu-Zayyad, Amann, Archbold, Belov, Benzvi, Belz, Bergman, Boyer, Cannon, Cao, Connolly, Fedorova, Finley, **Girard**, Gray, Hanlon, Hoffman, Holzscheiter, Hughes, Hüntemeyer, Jui, Kim, Kirn, Knapp, Loh, Martens, Manago, Mannel, Matthews, Matthews, Mumford, O'Neill, Riehle, Reil, Roberts, Seman, Schnetzer, Shen, Sinnis, Smith, Sokolsky, Song, Springer, Stokes, Thomas, Thomson, Tupa, Westerhoff, Wiencke, and Zech
Astroparticle Physics, 25, 74, **2006**.
4. [*Monocular measurement of the spectrum of UHE cosmic rays by the FADC detector of the HiRes experiment.*](#)
Abbasi, Abu-Zayyad, Amman, Archbold, Bellido, Belov, Belz, Bergman, Cao, Clay, Cooper, Dai, Dawson, Everett, **Girard**, Gray, Hanlon, Hoffman, Holzscheiter, Hüntemeyer, Jones, Jui, Kieda, Kim, Kirn, Loh, Manago, Marek, Martens, Martin, Manago, Matthews, Matthews, Meyer, Moore, Morrison, Moosman, Mumford, Munro, Painter, Perera, Reil, Riehle, Roberts, Sarracino, Schnetzer, Shen, Simpson, Sinnis, Smith, Sokolsky, Song, Springer, Stokes, Thomas, Thompson, Thomson, Tupa, Westerhoff, Wiencke, VanderVeen, Zech, and Zhang
Astroparticle Physics, 23, 157, **2005**.
3. [*Measurement of the Flux of Ultrahigh Energy Cosmic Rays from Monocular Observations by the High Resolution Fly's Eye Experiment.*](#)
Abbasi, Abu-Zayyad, Amann, Archbold, Bellido, Belov, Belz, Bergman, Cao, Clay, Cooper, Dai, Dawson, Everett, Fedorova, **Girard**, Gray, Hanlon, Hoffman, Holzscheiter, Hüntemeyer, Jones, Jui, Kieda, Kim, Kirn, Loh, Manago, Marek, Martens, Martin, Matthews, Matthews, Meyer, Moore, Morrison, Moosman, Mumford, Munro, Painter, Perera, Reil, Riehle, Roberts, Sarracino, Sasaki, Schnetzer, Shen, Simpson, Sinnis, Smith, Sokolsky, Song, Springer, Stokes, Taylor, Thomas, Thompson, Thomson, Tupa, Westerhoff, Wiencke, Vanderveen, Zech, and Zhang
Physical Review Letters, 92, 151101, **2004**.
2. [*Geometry and optics calibration for air fluorescence detectors using star light.*](#)
High Resolution Fly's Eye Collaboration, Sadowski, van der Zande, Abbasi, Abu-Zayyad, Archbold, Bellido, Belov, Belz, Bergman, Boyer, Cao, Clay, Dawson, Everett, **Girard**, Gray, Hanlon, Jones, Jui, Kieda, Kim, Knapp, Lee, Loh, Martens, Martin, Manago, Mannel, Matthews, Matthews, Meyer, Minagawa, Moore, Morrison, Moosman, Mumford, Perera, Reil, Riehle, Roberts, Sasaki, Sasano, Seman, Schnetzer, Shen, Simpson, Smith, Sokolsky, Song, Springer, Stokes, Teshima, Thomas, Thomson, Vanderveen, Westerhoff, Wiencke,

Zech, and Zhang

Astroparticle Physics, 18, 237, **2002**.

1. *A fiber-optic-based calibration system for the High Resolution Fly's Eye cosmic ray observatory.*

Girard, Wiencke, Archbold, Bellido, Belov, Boyer, Everett, Gray, Jui, Knapp, Mannel, Matthews, Moore, Mumford, Roberts, Shen, Sokolsky, Springer, and Thomas

Nuclear Instruments and Methods in Physics Research A, 460, 278, **2001**.

SPIE Instrumentation papers ([SPIE Digital Library](#))

40. [Making good use of JWST's coronagraphs: tools and strategies from a user's perspective.](#)
Girard, Blair, Brooks, Brooks, Brown, Bushouse, Canipe, Chen, Correnti, Hagan, Hilbert, Hines, Leisenring, Long, Nickson, Perrin, Pontoppidan, Pueyo, Rajan, Riedel, Soummer, Stansberry, Stark, Van Gorkom, and York
Space Telescopes and Instrumentation 2018: Optical, Infrared, and Millimeter Wave, 106983V, 2018.
39. [Updated optical modeling of JWST coronagraph performance contrast, stability, and strategies.](#)
Perrin, Pueyo, Van Gorkom, Brooks, Rajan, **Girard**, and Lajoie
Space Telescopes and Instrumentation 2018: Optical, Infrared, and Millimeter Wave, 1069809, 2018.
38. [Lessons for WFIRST CGI from ground-based high-contrast systems.](#)
Bailey, Bottom, Cady, Cantalloube, de Boer, Groff, Krist, Millar-Blanchaer, Vigan, Chilcote, Choquet, De Rosa, **Girard**, Guyon, Kern, Lagrange, Macintosh, Males, Marois, Meshkat, Milli, N'Diaye, Ngo, Nielsen, Rhodes, Ruane, van Holstein, Wang, and Xuan
Space Telescopes and Instrumentation 2018: Optical, Infrared, and Millimeter Wave, 106986P, 2018.
37. [Around the world: status and prospects with the infrared vortex coronagraph.](#)
Absil, Karlsson, Mawet, Carlomagno, Christiaens, Defrère, Delacroix, **Girard**, Gomez Gonzalez, Habraken, Hinz, Huby, Jolivet, Kasper, Kaufl, Kenworthy, Milli, Orban de Xivry, Pantin, Piron, Reggiani, Riggs, Serabyn, Surdej, and Vargas Catalan
Ground-based and Airborne Instrumentation for Astronomy VII, 107020T, 2018.
36. [Low Wind Effect on VLT/SPHERE : impact, mitigation strategy, and results.](#)
Milli, Kasper, Bourget, Pannetier, Mouillet, Sauvage, Reyes, Fusco, Cantalloube, Tristram, Wahhaj, Beuzit, **Girard**, Mawet, Telle, Vigan, and N'Diaye
Adaptive Optics Systems VI, ArXiv e-prints, arXiv:1806.05370, 2018.
35. [Combining angular differential imaging and accurate polarimetry with SPHERE/IRDIS to characterize young giant exoplanets.](#)
van Holstein, Snik, **Girard**, de Boer, Ginski, Keller, Stam, Beuzit, Mouillet, Kasper, Langlois, Zurlo, de Kok, and Vigan
Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 10400, 1040015, 2017.
34. [Pushing down with the contrast: scientific performances with SPHERE-IFS.](#)
Claudi, Antichi, Baruffolo, Bruno, Cascone, DeCaprio, DePascale, Desidera, D'Orazi, Fantinel, Farisato, Giro, Gratton, Lessio, Maire, Mesa, Salasnich, Scuderi, Sissa, Turatto, Zurlo, Beuzit, Boccaletti, Chauvin, Dohlen, Finger, **Girard**, Kasper, Hubin, Langlois, Lizon, Mouillet, Puget, and Wildi
Ground-based and Airborne Instrumentation for Astronomy VI, 9908, 99083H, 2016.

33. [*SPHERE on-sky performance compared with budget predictions.*](#)
Dohlen, Vigan, Mouillet, Wildi, Sauvage, Fusco, Beuzit, Puget, Le Mignant, Roelfsema, Pragt, Schmid, Gratton, Mesa, Claudi, Langlois, Costille, Hugot, O'Neil, Guerra, N'Diaye, **Girard**, Mawet, and Zins
Ground-based and Airborne Instrumentation for Astronomy VI, 9908, 99083D, **2016**.
32. [*SPHERE IRDIS and IFS astrometric strategy and calibration.*](#)
Maire, Langlois, Dohlen, Lagrange, Gratton, Chauvin, Desidera, **Girard**, Milli, Vigan, Zins, Delorme, Beuzit, Claudi, Feldt, Mouillet, Puget, Turatto, and Wildi
Ground-based and Airborne Instrumentation for Astronomy VI, 9908, 990834, **2016**.
31. [*Three years of harvest with the vector vortex coronagraph in the thermal infrared.*](#)
Absil, Mawet, Karlsson, Carlomagno, Christiaens, Defrère, Delacroix, Femenía Castella, Forsberg, **Girard**, Gómez González, Habraken, Hinz, Huby, Jolivet, Matthews, Milli, Orban de Xivry, Pantin, Piron, Reggiani, Ruane, Serabyn, Surdej, Tristram, Vargas Catalán, Wertz, and Wizinowich
Ground-based and Airborne Instrumentation for Astronomy VI, 9908, 99080Q, **2016**.
30. [*Interferometric direct imaging properties of a BIGRE-DAM device in laboratory.*](#)
Patru, Antichi, Rabou, Giro, Farinato, Gratton, Vassallo, Verinaud, Mourard, and Girard
Optical and Infrared Interferometry and Imaging V, 9907, 99072U, **2016**.
29. [*Sparse aperture masking with SPHERE.*](#)
Cheetham, **Girard**, Lacour, Schworer, Haubois, and Beuzit
Optical and Infrared Interferometry and Imaging V, 9907, 99072T, **2016**.
28. [*Training telescope operators and support astronomers at Paranal.*](#)
Boffin, Gadotti, Anderson, Pino, de Wit, and Girard
Observatory Operations: Strategies, Processes, and Systems VI, 9910, 991032, **2016**.
27. [*ABISM: an interactive image quality assessment tool for adaptive optics instruments.*](#)
Girard and Tourneboeuf
Adaptive Optics Systems V, 9909, 99097V, **2016**.
26. [*ZELDA, a Zernike wavefront sensor for the fine measurement of quasi-static aberrations in coronagraphic systems: concept studies and results with VLT/SPHERE.*](#)
N'Diaye, Vigan, Dohlen, Sauvage, Caillat, Costille, **Girard**, Beuzit, Fusco, Blanchard, Le Merrer, Le Mignant, Madec, Moreaux, Mouillet, Puget, and Zins
Adaptive Optics Systems V, 9909, 99096S, **2016**.
25. [*Speckle lifetime in XAO coronagraphic images: temporal evolution of SPHERE coronagraphic images.*](#)
Milli, Banas, Mouillet, Mawet, **Girard**, Vigan, Boccaletti, Kasper, Wahhaj, Lagrange, Beuzit, Fusco, Sauvage, and Galicher
Adaptive Optics Systems V, 9909, 99094Z, **2016**.
24. [*Tackling down the low wind effect on SPHERE instrument.*](#)
Sauvage, Fusco, Lamb, **Girard**, Brinkmann, Guesalaga, Wizinowich, O'Neal, N'Diaye, Vigan, Mouillet, Beuzit, Kasper, Le Louarn, Milli, Dohlen, Neichel, Bourget, Haguenaer,

and Mawet

Adaptive Optics Systems V, 9909, 990916, **2016**.

23. [*SAXO, the SPHERE extreme AO system: on-sky final performance and future improvements.*](#)
Fusco, Sauvage, Mouillet, Costille, Petit, Beuzit, Dohlen, Milli, **Girard**, Kasper, Vigan, Suarez, Soenke, Downing, N'Diaye, Baudoz, Sevin, Baruffolo, Schmid, Salasnich, Hugot, and Hubin
Adaptive Optics Systems V, 9909, 99090U, **2016**.
22. [*Atmospheric parameter estimation from AO wavefront sensing data: application of the FADE method with NACO.*](#)
Brunner and Girard
Adaptive Optics Systems IV, 9148, 914861, **2014**.
21. [*Discretized aperture mapping with a micro-lenses array for interferometric direct imaging.*](#)
Patru, Antichi, Mawet, Jolissaint, Carillet, Milli, **Girard**, Rabou, Giro, and Mourard
Adaptive Optics Systems IV, 9148, 91485P, **2014**.
20. [*Real-time Strehl and image quality performance estimator at Paranal Observatory.*](#)
Mawet, Smette, Sarazin, Kuntschner, and Girard
Adaptive Optics Systems IV, 9148, 91484T, **2014**.
19. [*Final performance and lesson-learned of SAXO, the VLT-SPHERE extreme AO: from early design to on-sky results.*](#)
Fusco, Sauvage, Petit, Costille, Dohlen, Mouillet, Beuzit, Kasper, Suarez, Soenke, Fedrigo, Downing, Baudoz, Sevin, Perret, Baruffolo, Salasnich, Puget, Feautrier, Rochat, Moulin, Deboulbé, Hugot, Vigan, Mawet, **Girard**, and Hubin
Adaptive Optics Systems IV, 9148, 91481U, **2014**.
18. [*Characterizing instrumental effects on polarization at a Nasmyth focus using NaCo.*](#)
de Boer, **Girard**, Mawet, Snik, Keller, and Milli
Ground-based and Airborne Instrumentation for Astronomy V, 9147, 914787, **2014**.
17. [*Adaptive phase-mask coronagraph with amplitude and phase modulation for high dynamic range synchronous detection: APM² coronagraph.*](#)
Bourget, Mawet, Mardones, Schuhler, Pueyo, **Girard**, Haguenaer, and Gonte
Techniques and Instrumentation for Detection of Exoplanets VI, 8864, 88640J, **2013**.
16. [*Small-angle, high-contrast exoplanet imaging with the L-band AGPM vector vortex coronagraph now offered at the VLT.*](#)
Mawet, Absil, Milli, Delacroix, **Girard**, O'Neal, Baudoz, Boccaletti, Bourget, Forsberg, Gonté, Habraken, Karlsson, Kasper, Lagrange, Lizon, Muzic, Peña, Olivier, Slusarenko, Tacconi-Garman, and Surdej
Techniques and Instrumentation for Detection of Exoplanets VI, 8864, 88640I, **2013**.
15. [*Extinction controlled adaptive mask coronagraph Lyot and phase mask dual concept for wide extinction area.*](#)

Bourget, Schuhler, Mawet, Haguenaer, **Girard**, and Gonte
Modern Technologies in Space- and Ground-based Telescopes and Instrumentation II, 8450, 84505I, **2012**.

14. [*Conceptual study for a sub-pupil instrument having 4 high order adaptive optics path for parallel multi-wavelength high contrast imaging, and medium resolution spectrometry.*](#)
Gonte, Bourget, **Girard**, Haguenaer, and Mawet
Ground-based and Airborne Instrumentation for Astronomy IV, 8446, 84467Z, **2012**.
13. [*Review of small-angle coronagraphic techniques in the wake of ground-based second-generation adaptive optics systems.*](#)
Mawet, Pueyo, Lawson, Mugnier, Traub, Boccaletti, Trauger, Gladysz, Serabyn, Milli, Belikov, Kasper, Baudoz, Macintosh, Marois, Oppenheimer, Barrett, Beuzit, Devaney, **Girard**, Guyon, Krist, Mennesson, Mouillet, Murakami, Poyneer, Savransky, Vérinaud, and Wallace
Space Telescopes and Instrumentation 2012: Optical, Infrared, and Millimeter Wave, 8442, 844204, **2012**.
12. [*What can be retrieved from adaptive optics real-time data?*](#)
Kolb, Muller, Aller-Carpentier, Andrade, and Girard
Adaptive Optics Systems III, 8447, 84475U, **2012**.
11. [*Image quality and high contrast improvements on VLT/NACO.*](#)
Girard, O'Neal, Mawet, Kasper, Zins, Neichel, Kolb, Christiaens, and Tourneboeuf
Adaptive Optics Systems III, 8447, 84470L, **2012**.
10. [*Speckle imaging observations of 2005 YU55 with the NACO-VLT no-AO mode.*](#)
Rengaswamy, **Girard**, Lombardi, Ivanov, and Dumas
Optical and Infrared Interferometry III, 8445, 84453M, **2012**.
9. [*The hypertelescope at work with a BIGRE integral field unit.*](#)
Antichi, Rabou, Patru, Giro, **Girard**, and Mourard
Optical Complex Systems: OCS11, 8172, 81720X, **2011**.
8. [*Direct imaging with a dense aperture masking in comparison with a telescope or a hypertelescope.*](#)
Patru, Antichi, and Girard
Optical Complex Systems: OCS11, 8172, 81720W, **2011**.
7. [*Status and new operation modes of the versatile VLT/NaCo.*](#)
Girard, Kasper, Quanz, Kenworthy, Rengaswamy, Schödel, Gallenne, Gillessen, Huerta, Kervella, Kornweibel, Lenzen, Mérand, Montagnier, O'Neal, and Zins
Adaptive Optics Systems II, 7736, 77362N, **2010**.
6. [*An apodizing phase plate coronagraph for VLT/NACO.*](#)
Kenworthy, Quanz, Meyer, Kasper, Lenzen, Codona, **Girard**, and Hinz
Ground-based and Airborne Instrumentation for Astronomy III, 7735, 773532, **2010**.

5. *Evaluation of performance of the MACAO systems at the VLTI.*
Rengaswamy, Haguenaer, Brillant, Cortes, **Girard**, Guisard, Paufique, and Pino
Optical and Infrared Interferometry II, 7734, 773436, **2010**.
4. *Speckle imaging with the SOAR and the very large telescopes.*
Rengaswamy, **Girard**, and Montagnier
Optical and Infrared Interferometry II, 7734, 77341B, **2010**.
3. *GUIELOA, the Mexican adaptive optics system: expected performance and operation.*
Girard, Watson, Álvarez, Chapa, Cuevas, Flores, Garfias, Iriarte, Martínez, and Sánchez
Adaptive Optics Systems, 7015, 701560, **2008**.
2. *The Polychromatic Laser Guide Star for tilt measurement: progress report of the demonstrator at Observatoire de Haute Provence.*
Foy, éric, Eysseric, Foy, Fusco, **Girard**, Le Van Suu, Perruchot, Richaud, Richaud, Rondeau, Tallon, Thiébaud, and Boër
Astronomical Adaptive Optics Systems and Applications III, 6691, 66910R, **2007**.
1. *Feasibility study of the polychromatic laser guide star.*
Foy, Pique, Bellanger, Chevrou, Petit, Högemann, Noethe, Schöck, **Girard**, Tallon, Thiébaud, Vaillant, Foy, and Van Dam
Adaptive Optical System Technologies II, 4839, 484, **2003**.

Conference proceedings

29. [A refined orbit for the satellite of asteroid \(107\) Camilla.](#)
Pajuelo, Carry, Vachier, Berthier, Descamp, Merline, Tamblyn, Conrad, Storrs, Margot, Marchis, Kervella, and **Girard**
AAS/Division for Planetary Sciences Meeting Abstracts, 47, #201.05, **2015**.
28. [Pluto's atmosphere from stellar occultations in 2012 and 2013.](#)
Dias-Oliveira, Sicardy, Lellouch, Vieira-Martins, Assafin, Ignácio Bueno Camargo, Braga-Ribas, Gomes-Júnior, Bendetti-Rossi, Colas, Decock, Doressoundiram, Dumas, Emílio, Fabrega Polleri, Gil-Hutton, Gillon, **Girard**, Hau, Ivanov, Jehin, Lecacheux, Leiva, Lopez-Sisterna, Mancini, Manfroid, Maury, Meza, Morales, Nagy, Opitom, Ortiz, Pollock, Roques, Snodgrass, François Soulier, Thirouin, Vanzi, Widemann, Reichart, LaCluyze, Haislip, Ivarsen, Dominik, Jørgensen, and Skottfelt
AAS/Division for Planetary Sciences Meeting Abstracts, 47, #200.09, **2015**.
27. [New, Near-to-Mid Infrared High-Contrast Imaging of the Young Extrasolar Planets, HR 8799 bcde.](#)
Currie, Burrows, **Girard**, Cloutier, Fukagawa, Sorahana, Kuchner, Kenyon, Madhusudhan, Itoh, Jayawardhana, Matsumura, and Pyo
American Astronomical Society Meeting Abstracts, 225, #323.08, **2015**.
26. [Very deep images of the disc around beta Pictoris at Lp.](#)
Milli, Absil, Mouillet, Lagrange, Boccaletti, **Girard**, Mawet, and Augereau
Thirty years of Beta Pic and Debris Disks Studies, **2014**.
25. [Direct Imaging and Interferometric Followup of Our Closest Low-Mass Stellar Neighbors.](#)
Girard
Habitable Worlds Across Time and Space proceedings, id.17, 17, **2014**.
24. [New follow-up study of the atmosphere of GJ1214b.](#)
Kabath, Cáceres, Hoyer, Ivanov, Rojo, **Girard**, Kempton, Fortney, and Minniti
Search for Life Beyond the Solar System. Exoplanets, Biosignatures & Instruments, P3.54, **2014**.
23. [First High-Angular Resolution L' Images of the \$\beta\$ Pictoris Debris Disc with the VLT / NaCo.](#)
Milli, Mawet, Absil, Lagrange, Mouillet, **Girard**, and Augereau
IAU Symposium, 299, 350, **2014**.
22. [\$\beta\$ Pictoris b Orbital Properties.](#)
Lagrange, Gilardy, Beust, Chauvin, Rameau, Boccaletti, **Girard**, and Bonnefoy
IAU Symposium, 299, 299, **2014**.
21. [Properties of the young gas giant planet \$\beta\$ Pictoris b.](#)
Bonnefoy, Boccaletti, Lagrange, Allard, Mordasini, Beust, Chauvin, **Girard**, Homeier, Apai, Lacour, Rouan, Rameau, and Klahr
IAU Symposium, 299, 241, **2014**.

20. [*Companion search around \$\beta\$ Pictoris with the newly commissioned L'-band vector vortex coronagraph on VLT/NACO.*](#)
Mawet, Absil, Milli, Baudoz, Boccaletti, Chauvin, Delacroix, **Girard**, Lagrange, O'Neal, Bourget, Forsberg, Gontte, Habraken, Hanot, Karlsson, Kasper, Lizon, Muzic, Olivier, Peña, Slusarenko, Tacconi-Garman, and Surdej
IAU Symposium, 299, 50, **2014**.
19. [*Successes and challenges of the APP Coronagraph.*](#)
Kenworthy, Quanz, Otten, Meshkat, Codona, Snik, Meyer, Kasper, and **Girard**
IAU Symposium, 299, 40, **2014**.
18. [*A Confirmed Directly Imaged Planet Orbiting a Nearby Young, Dusty Star.*](#)
Currie, Rameau, Chauvin, Lagrange, Boccaletti, Meshkat, Quanz, **Girard**, Bonnefoy, and Kenworthy
American Astronomical Society Meeting Abstracts #223, 223, #430.04, **2014**.
17. [*Upgrade of the ESO Laser Guide Star Facility.*](#)
Lewis, Bonaccini Calia, Buzzoni, Duhoux, Fischer, Guidolin, Hintershuster, Holzloehner, Jolley, Pfrommer, Popovic, Alvarez, Beltran, **Girard**, and Gontte
Proceedings of the Third AO4ELT Conference, 119, **2013**.
16. [*Deconvolution-based super resolution for post-AO data.*](#)
Carbillet, La Camera, Chesneau, Millour, **Girard**, and Prato
Proceedings of the Third AO4ELT Conference, 104, **2013**.
15. [*Discret aperture mapping with a micro-lenses array for interferometric direct imaging.*](#)
Patru, Antichi, Rabou, Giro, Mawet, Milli, **Girard**, Carbillet, and Mourard
Proceedings of the Third AO4ELT Conference, 93, **2013**.
14. [*A giant planet around HD95086 ?.*](#)
Rameau, Chauvin, Lagrange, Meshkat, Boccaletti, Quanz, Bonnefoy, Bailey, Kenworthy, Currie, **Girard**, Delorme, Desidera, Dumas, Mordasini, Klahr, and Bonavita
Protostars and Planets VI Posters, 2, **2013**.
13. [*On the Binarity of LBV Stars.*](#)
Martayan, Lobel, Baade, Blomme, Frémat, LeBouquin, Selman, **Girard**, Mérand, Montagnier, Patru, Mawet, Martins, Rivinius, Štefl, Zorec, Semaan, Mehner, Kervella, Sana, and Schödel
Circumstellar Dynamics at High Resolution, 464, 293, **2012**.
12. [*On Our Multi-Wavelength Campaign of the 2011 Outburst of T Pyx†.*](#)
Schmidtobreick, Bayo, Momany, Ivanov, Barria, Beletsky, Boffin, Brammer, Carraro, de Wit, **Girard**, Hau, Moerchen, Nuernberger, Pretorius, Rivinius, Sanchez-Janssen, Selman, Stefl, and Yegorova
IAU Symposium, 285, 404, **2012**.
11. [*Dense Aperture Masking study : approaching theoretical contrasts with conventional, narrow-field Adaptive Optics.*](#)
Patru and **Girard**
AO4ELT2: Adaptive Optics for Extremely Large Telescopes proceedings, id.P5, P5, **2011**.

10. [*High-angular resolution observations of the Pistol star.*](#)
Martayan, Blomme, Le Bouquin, Merand, Montagnier, Selman, **Girard**, Fox, Baade, Fré-
mat, Lobel, Martins, Patru, Rivinius, Sana, Štefl, Zorec, and Semaan
IAU Symposium, 272, 616, **2011**.
9. [*X-shooter, NACO, and AMBER observations of the LBV Pistol Star.*](#)
Martayan, Blomme, Le Bouquin, Merand, Montagnier, Selman, **Girard**, Fox, Baade, Fré-
mat, Lobel, Martins, Patru, Rivinius, Sana, Stefl, Zorec, and Semaan
Bulletin de la Societe Royale des Sciences de Liege, 80, 400, **2011**.
8. [*Coronagraphic Upgrades at the VLT/NaCo: 4-Micron APP Enhanced Spectroscopy?*](#)
Girard, Janson, Quanz, Kenworthy, Meyer, Kasper, Lenzen, and Wehmeier
In the Spirit of Lyot 2010, **2010**.
7. [*Direct detection of exoplanets and circumstellar disks using NaCo APP and NaCo PDI.*](#)
Quanz, Meyer, Kenworthy, Kasper, Lenzen, **Girard**, Hinz, Geissler, Brander, Henning, and
Wolf
In the Spirit of Lyot 2010, **2010**.
6. [*Perspectives for speckle cameras at the GTC and WHT.*](#)
Schödel, **Girard**, Rengaswamy, Montagnier, Ghez, and Morris
Astronomy & Astrophysics Seminars of the Instituto de Astrofísica de Canarias, 200, **2010**.
5. [*The Polychromatic Laser Guide Star: the ELP-OA demonstrator at Observatoire de Haute Provence.*](#)
Foy, Chatagnat, Dubet, éric, Eysseric, Foy, Fusco, **Girard**, Laloge, Le van Suu, Messaoudi,
Perruchot, Richaud, Richaud, Rondeau, Tallon, Thiébaud, and Boër
SF2A-2007: Proceedings of the French Society of Astronomy and Astrophysics, 37, **2007**.
4. [*Polychromatic Laser Guide Star. Progress report and modeless laser.*](#)
Foy, **Girard**, Tallon, Thiébaud, Pique, Farinotti, and van Dam
SF2A-2003: Semaine de l'Astrophysique Francaise, 339, **2003**.
3. [*ATTILA - Measuring the atmospheric tilt from its wavelength dependence.*](#)
Girard and Foy
SF2A-2002: Semaine de l'Astrophysique Francaise, 209, **2002**.
2. [*ELP-OA: Final report of the feasibility study.*](#)
Foy, Pique, Bellanger, Chevrou, Petit, Högemann, Noethe, Schöck, **Girard**, Tallon, Thiébaud,
Vaillant, Foy, and Van Dam
SF2A-2002: Semaine de l'Astrophysique Francaise, 173, **2002**.
1. [*Night-to-Night Calibration Checks at the High Resolution Fly's Eye Cosmic Ray Obser-
vatory.*](#)
Archbold, Abu-Zayyad, Albretsen, Belov, Cao, Dalton, Everett, **Girard**, Gray, Jones, Jui,
Kieda, Kim, Loh, Martens, Matthews, Moore, Moosman, Morrison, Mumford, Reil, Riehle,
Shen, Smith, Sokolsky, Springer, Stokes, Thomas, Wiencke, Bellido, Clay, Dawson, Simp-
son, Boyer, Ho, Knapp, Lee, Mannel, Seman, Song, Westerhoff, Zhang, Belz, Dieterle,

Lombda, Martin, Matthews, Roberts, Bergman, Hanlon, Perera, Thomson, Zech, Man-
ago, Sasaki, Sasano, and Teshima
APS Meeting Abstracts, 46, **2001**.

Other publications (ESO Messenger, Book Chapters, Decadal White Paper, PhD thesis)

20. [*Three Years of SPHERE: The Latest View of the Morphology and Evolution of Protoplanetary Discs.*](#)
Garufi, Benisty, Stolker, Avenhaus, de Boer, Pohl, Quanz, Dominik, Ginski, Thalmann, van Boekel, Boccaletti, Henning, Janson, Salter, Schmid, Sissa, Langlois, Beuzit, Chauvin, Mouillet, Augereau, Bazzon, Biller, Bonnefoy, Buenzli, Cheetham, Daemgen, Desidera, Engler, Feldt, **Girard**, Gratton, Hagelberg, Keller, Keppler, Kenworthy, Kral, Lopez, Maire, Menard, Mesa, Messina, Meyer, Milli, Min, Müller, Olofsson, Pawellek, Pinte, Szulagyi, Vigan, Wahhaj, Waters, and Zurlo
The Messenger, 169, 32, **2017**.
19. [*Supernova 1987A at 30.*](#)
Spyromilio, Leibundgut, Fransson, Larsson, Migotto, and **Girard**
The Messenger, 167, 26, **2017**.
18. [*Adaptive Optics in High-Contrast Imaging.*](#)
Milli, Mawet, Mouillet, Kasper, and **Girard**
Astronomy at High Angular Resolution, 439, 17, **2016**.
17. [*SPHERE Science Verification.*](#)
Leibundgut, Beuzit, Gibson, **Girard**, Kasper, Kerber, Lundin, Mawet, McClure, Milli, Petr-Gotzens, Siebenmorgen, van den Ancker, and Wahhaj
The Messenger, 159, 2, **2015**.
16. [*Ensuring the Reliability and Performance of Instrumentation at the Paranal Observatory.*](#)
Gonté, Smette, Abadie, Alvarez, Baksai, Beltran, Boffin, Bourget, Carraro, Castillo, de Wit, Diaz, Gadotti, **Girard**, Haddad, Hau, Ivanov, Lizon, Mardones, Mérand, Mieske, Monaco, O'Neal, Pallanca, Pompei, Ramirez, Riquelme, Rojas, Schmitobreck, Schmutzer, Smoker, Valenzuela, and Zins
The Messenger, 157, 17, **2014**.
15. [*Speckle Imaging with VLT/NACO No-AO Mode.*](#)
Rengaswamy, **Girard**, de Wit, and Boffin
The Messenger, 155, 12, **2014**.
14. [*Laser Guide Star Facility Upgrade.*](#)
Lewis, Calia, Buzzoni, Duhoux, Fischer, Guidolin, Haimerl, Hackenberg, Hinterschuster, Holzlöhner, Jolley, Pfrommer, Popovic, Alvarez, Beltran, **Girard**, Pallanca, Riquelme, and Gonté
The Messenger, 155, 6, **2014**.
13. [*Following the G2 Gas Cloud towards the Galactic Centre.*](#)
Walsh, Gillessen, Genzel, Fritz, Eisenhauer, Pfuhl, Ott, Schartmann, Ballone, Burkert, Hau, **Girard**, O'Neal, and Bonnet
The Messenger, 153, 25, **2013**.

12. [*High Contrast Imaging with the New Vortex Coronagraph on NACO.*](#)
Mawet, Absil, **Girard**, Milli, O’Neal, Delacroix, Baudoz, Boccaletti, Bourget, Christiaens, Forsberg, Gonté, Habraken, Hanot, Karlsson, Kasper, Lagrange, Lizon, Muzic, Peña, Olivier, Slusarenko, Tacconi-Garman, and Surdej
The Messenger, 152, 8, **2013**.
11. [*Holographic Imaging: A Versatile Tool for High Angular Resolution Imaging.*](#)
Schödel and **Girard**
The Messenger, 150, 26, **2012**.
10. [*VizieR Online Data Catalog: VLT/NaCo images of HD 142527 \(Rameau+, 2012\).*](#)
Rameau, Chauvin, Lagrange, Thebault, Milli, **Girard**, and Bonnefoy
VizieR Online Data Catalog, 354, **2012**.
9. [*Gearing up the SPHERE.*](#)
Kasper, Beuzit, Feldt, Dohlen, Mouillet, Puget, Wildi, Abe, Baruffolo, Baudoz, Bazzon, Boccaletti, Brast, Buey, Chesneau, Claudi, Costille, Delboulbé, Desidera, Dominik, Dorn, Downing, Feautrier, Fedrigo, Fusco, **Girard**, Giro, Gluck, Gonté, Gojak, Gratton, Henning, Hubin, Lagrange, Langlois, Mignant, Lizon, Lilley, Madec, Magnard, Martinez, Mawet, Mesa, Müller-Nilsson, Moulin, Moutou, O’Neal, Pavlov, Perret, Petit, Popovic, Pragt, Rabou, Rochat, Roelfsema, Salasnich, Sauvage, Schmid, Schuhler, Sevin, Siebenmorgen, Soenke, Stadler, Suarez, Turatto, Udry, Vigan, and Zins
The Messenger, 149, 17, **2012**.
8. [*Report on the Workshop "Observing Planetary Systems II".*](#)
Dumas, Sterzik, Melo, Siebenmorgen, **Girard**, and Mouillet
The Messenger, 148, 44, **2012**.
7. [*Sparse Aperture Masking on Paranal.*](#)
Lacour, Tuthill, Ireland, Amico, and **Girard**
The Messenger, 146, 18, **2011**.
6. [*A New Coronagraph for NAOS-CONICA – the Apodising Phase Plate.*](#)
Kenworthy, Quanz, Meyer, Kasper, **Girard**, Lenzen, Codona, and Hinz
The Messenger, 141, 2, **2010**.
5. [*New Staff at ESO.*](#)
Girard, de Wit, and Neumayer
The Messenger, 140, 61, **2010**.
4. [*A New Lenslet Array for the NACO Laser Guide Star Wavefront Sensor.*](#)
Kasper, Zins, Feautrier, O’Neal, Michaud, Rabou, Stadler, Charton, Cumani, Delboulbe, Geimer, Gillet, **Girard**, Huerta, Kern, Lizon, Lucuix, Mouillet, Moulin, Rochat, and Sönke
The Messenger, 140, 8, **2010**.
3. [*Perspectives for speckle cameras at the GTC and WHT.*](#)
Schödel, **Girard**, Rengaswamy, Montagnier, Ghez, and Morris
IAC Talks, Astronomy and Astrophysics Seminars from the Instituto de Astrofísica de Canarias, 200, **2010**.

2. *The Synoptic All-Sky Infrared (SASIR) Survey.*

Bloom, Prochaska, Lee, Jesús González, Ramírez-Ruiz, Bolte, Franco, Guichard, Carramiñana, Strittmatter, Avila-Reese, Bernstein, Bigelow, Brodwin, Burgasser, Butler, Chávez, Cobb, Cook, Cruz-González, de Diego, Farah, Georgiev, **Girard**, Hernández-Toledo, Jiménez-Bailón, Krongold, Mayya, Meza, Miyaji, Mújica, Nugent, Porras, Poznanski, Raga, Richer, Rodríguez, Rosa, Stanford, Szentgyorgyi, Tenorio-Tagle, Thomas, Valenzuela, Watson, and Wehinger

ArXiv e-prints, arXiv:0905.1965, **2009**.

1. *On Sky Validation of the Polychromatic Laser Guide Star Concept.*

Girard

Ph.D. Thesis, **2005**.

Notes

1. Articles in preparation, even in an advanced stage are not mentioned in this document.
2. It is common for instrumentation related work to be published in SPIE proceedings. These papers often reflect final references without related refereed articles in A-ranked journals.
3. The experimental research and instrumental developments I carried out during my Phd and my young researcher's career (2000- 2008) represent a considerable amount of work that was unfortunately not publication material. Building innovative experiments from scratch with limited manpower is interesting but time consuming and not always followed by acceptable, rewarding results. It helped me develop many different skills: basic optical design/alignment, procurement, electronics trouble shooting, data processing, physical interpretation of results and parameters, etc. At the upstream of big international consortia that build bigger, more robust instruments, this type of experimental work can provide great inputs in the long run.