

Curriculum Vitae

Name: GOSSET

Christian Names: Eric, Pierre, Julien, Eugène, Franz

Place and date of birth: Liège, April 8, 1956

Nationality: Belgian

Civil status: Married since September 16, 1989

Name of spouse: Mélen Francine

Children: Jehan, born October 3, 1995

Academic education

- Master in Physical Sciences, 1978
(Grande Distinction, Liège University);

Thesis title: “*Etude en absorption de la transition $A\ ^3\Pi_{inv} - X\ ^3\Sigma^-$ du radical libre PH*”

- Agrégé de l’Enseignement Secondaire Supérieur, 1979.
- PhD in Sciences (Astrophysics), December 15, 1987. (Plus Grande Distinction, Liège University);

PhD thesis title: “*Analyse de nuages de points. Applications astronomiques et étude de la distribution spatiale des quasars*”.

- Agrégé de l’Enseignement Supérieur (Habilitation), 2007 (Unanimity, Liège University)

Habilitation thesis title: “*Etudes d’étoiles massives de types spectraux O, Wolf-Rayet et apparentés. Résultats de campagnes d’observations photométriques et spectroscopiques dans le domaine visible et dans le domaine des rayons X*”

Annex theses:

- Annex thesis I: “*La supergéante O9Ib((f)) HD152249 est-elle le siège de pulsations non radiales?*”
- Annex thesis II: “*Le calcul du niveau de signification du plus haut pic dans les périodogrammes de type Fourier par la formule de Horne et Baliunas est contre-indiqué*”
- Annex thesis III: “*La galaxie spirale barrée proche NGC1313 contient-elle des étoiles de type Wolf-Rayet?*”

Positions

- Student-Assistant (Prof. L. Houziaux, Institut d’Astrophysique, Liège University) from October 1, 1978 to September 30, 1979.
- Assistant (Prof. L. Houziaux, Institut d’Astrophysique, Liège University) from October 1, 1979 to December 31, 1979.
- Research Fellow FRFC (Fonds de la Recherche Fondamentale Collective) from January 1, 1980 to December 31, 1983 (PIs: L. Houziaux, J.P. Swings (ULg), S. Volonté (UEM), C. de Loore (VUB)).
- Research Fellow FRFC from January 1, 1984 to June 30, 1985 (PIs: J.P. Swings, C. Jamar (ULg), C. de Loore (VUB)).
- Unpaid Fellow, grants from Foundation Mathieu (Liège University) and Foundation Liégeois (Académie Royale des Sciences de Belgique) from July 1, 1985 to December 31, 1987.
- Post-doctoral stay: Fellow at ESO (European Southern Observatory, Garching bei München, Germany) from January 1, 1988 to December 31, 1990.
- Research Fellow then Research Associate “Action de Recherche Concertée” (PI: J.P. Swings, Liège University) from January 1, 1991 to September 30, 1993.
- Research Associate at Fonds National de la Recherche Scientifique (Belgian National Science Foundation) from October 1, 1993 to September 30, 2008.
- Senior Research Associate at Fonds National de la Recherche Scientifique (Belgian National Science Foundation) since October 1, 2008.
- Maître de Conférence (Liège University) since 2008.

Memberships

- Member of the Belgian National Committee for Astronomy.
- Member of the International Astronomical Union (since 1991); Commission 27 (variable stars), Commission 47 (cosmology), Commission 28 (galaxies), Commission 42 (Close Binaries). Presently, Division G (Stars and Stellar Physics), Division J (Galaxies and Cosmology).
- Member of the European Astronomical Society.
- Member of the Liège Royal Society of Sciences.

Main scientific interests

- Observational Astronomy: massive stars, O and Wolf-Rayet type stars, Luminous Blue Variables.
- Photometric and spectroscopic stellar variability in the upper HR diagram. Asteroseismology. Search for observational constraints for the stellar evolution theory.
- Massive binary star studies: physical parameters of individual objects, search for the most massive stars and colliding-wind binaries.
- Exploitation of the Liège guaranteed time on the ESA X-ray satellite XMM-Newton: X-ray emission of massive stars, binary stars of type O and Wolf-Rayet, and the colliding wind phenomenon.
- Time series analysis of astronomical data (including a lecture given in the master degree in Space Sciences).
- Search for quasars, spatial distribution of quasars and observational cosmology; large scale structures as traced by galaxy superclusters and quasars.
- Founding Member of the XMM Medium Deep Survey and the XMM Large Scale Structure Survey Consortia (see <http://vela.astro.ulg.ac.be/themes/spatial/xmm/LSS/>).
- Member of the Gaia Data Processing and Analysis Consortium, manager of the Development Unit DU434 (orbital solutions for binary stars) and developer within DU650 of a code for the radial velocity measurements in composite spectra.
- Collaboration in the Gaia-ESO survey (extra-large program, 300 nights granted at ESO-VLT)

Mandates

- Member of the Belgian National Committee for Astronomy.
- Representative of the Liège University at the Belgian National ESO (European Southern Observatory) Committee, since 1996.
- Scientific representative at the management council of the library of Sciences at Liège University (2002-2004).
- Member of the Council ruling the Astrophysical and Geophysical Department of the Liège University.
- Member of the Council of the Space sciences, Technologies and Astrophysics Research Institute.
- Member of the Council of the Faculty of Sciences (Liège University).
- Member of the OTAC panel Stars, White Dwarfs and Solar System for the AO4 concerning the satellite XMM-Newton (2004).

Observational Experience in astrophysics

- 1979-1985: conception and manufacturing of a system for observing in the near infrared and based on a Reticon detector (analogic and logic electronic driving the detector; on line gestion of the buffer memory; writing of the code interfacing with the computer; conception of the code for raw data reduction, etc...)
- 1988-1990: introducing astronomer at ESO-Garching, for the exploitation of the CAT telescope remote-control facilities. Numerous observing nights supervised.
- 1988-1990: introducing scientist at the Optronix measuring Machine (ESO).
- Since 1984: visiting astronomer at La Silla (ESO, Chili) Observatory at numerous occasions.
- Visiting Astronomer in June 1999 at “Cerro Tololo Interamerican Observatory” (Chili).
- Various observing runs at Observatoire de Haute-Provence (France), since 1980.
- Analysis of data from the ESA satellite “International Ultraviolet Explorer” (UV spectroscopy).
- Member of the consortium “Optical Monitor”, instrument on-board the ESA satellite XMM-Newton (X-rays); exploitation of the data from guaranteed and open time.
- Member of the Data Processing and Analysis Consortium for the ESA astrometric satellite Gaia (launched in December 2013).

Scientific awards

- Grant from foundation Agathon de Potter (Académie Royale de Belgique, Classe des Sciences).
- Grant from foundation Mathieu (Liège University).
- Grant from foundation Liégeois (Académie Royale de Belgique, Classe des Sciences).
- Laureate: prize of the foundation Agathon de Potter for triennial 1988-1990 (Académie Royale de Belgique, Classe des Sciences).
- Laureate of the annual contest (1992) of the Académie Royale de Belgique, Classe des Sciences, with a 184-page work intituled: “*Etude de la variabilité des étoiles de type Wolf-Rayet*”.
- Laureate (2008): prize Edouard Mailly (28th quadrennial, 2004-2007) of the Académie Royale de Belgique, Classe des Sciences, for a contribution to the study of massive stars of type O, Wolf-Rayet and related.

Teaching activities

- Lecture in DEA Astrophysique, Géophysique et Sciences Spatiales, and now in Master en Sciences Spatiales: “Analyse de Séries Temporelles en Astronomie” (20h+5h) since 1996.
- Tutorials in Transfert Radiatif et Atmosphères Stellaires (Prof. L. Houziaux): computation of stellar atmosphere models (1979-1981).
- Tutorials in Astrophysique Observationnelle (Prof. L. Houziaux): exercises in atomic spectroscopy, Boltzmann and Saha laws, spectroscopic terms for atoms, nebular emission (1979-1983).
- Tutorials in Physique Générale, first year veterinary bachelors (1999-2000).

List of (co-) directed and/or supervised master’s theses

Name: Alain Henry

Type: Licence en Sciences Physiques

Title: Analyse quantitative de l’abondance en fer dans l’atmosphère de l’étoile 2 Lyncis.

Year: 1982

Promotor: Léo Houziaux, Eric Gosset

Name: Benoît Louis

Type: Licence en Informatique

Title: Etude stochastique d’un nuage de points.

Year: 1984

Promotor: Eric Gosset

Name: Marc Remy

Type: Licence en Sciences Physiques

Title: Etude de la variabilité de certaines étoiles de Wolf-Rayet.

Year: 1987

Promotor: Eric Gosset, Jean-Marie Vreux

Name: Pierre Arnould

Type: DEA en Astrophysique

Title: Etude des variations de la lentille gravitationnelle H1413+117.

Year: 1994

Promotor: Eric Gosset

Name: Pierre Royer

Type: Fin d’études Ingénieur Physicien

Title: Recherche de candidats quasars par la méthode d’analyse multicouleurs.

Year: 1994

Promotor: Eric Gosset

Name: Isabelle Bertrand

Type: DEA en Astrophysique

Title: Variations de profils de raies dans les étoiles Wolf-Rayet: analyse en ondelettes.

Year: 1995

Promotor: Eric Gosset

Name: Jacques Gustin

Type: DEA en Astrophysique

Title: Etude du comportement statistique du périodogramme classique et du périodogramme modifié de Scargle.

Year: 1996

Promotor: Eric Gosset

Name: Fabrice Lovenfosse

Type: DEA Astrophysique

Title: Applications d'algorithmes de type CLEAN aux méthodes de recherche de périodes en astronomie: étude de la variabilité des étoiles de type Wolf-Rayet.

Year: 1997

Promotor: Eric Gosset

Name: Ludovic Delchambre

Type: Fin d'étude Ingénieur

Title: Recherche d'une évaluation robuste de l'excentricité dans des systèmes binaires d'étoiles.

Year: 2010

Promotor: Pierre Geurts, Eric Gosset

Name: Maxime Toullic

Type: Master en Sciences Spatiales

Title: Study of the colliding wind binary WR47.

Year: 2015

Promotor: Eric Gosset

Remark: for the period 2000–2009, we have been a jury member for many master theses but we left the promotion responsibility itself to the four young scientists of the group.

List of (co-)directed and/or supervised doctoral theses

A. Directed

Name: Gregor Rauw

Title: Contribution à l'étude de systèmes binaires massifs: détermination des paramètres fondamentaux et analyse des processus d'interaction dans les systèmes de type Of et WNL.

Year: 1998

Promotor: Jean-Marie Vreux, Eric Gosset

Name: Pierre Royer

Title: Caractérisation et utilisation de systèmes photométriques à destination astrophysique.

Year: 2001

Promotor: Jean-Marie Vreux, Eric Gosset

Name: Yaël Nazé

Title: Probing the interactions of early-type stars with their surroundings through X-ray

and optical observations.

Year: 2004

Promotor: Gregor Rauw, Eric Gosset

Name: Hugues Sana

Title: Multi-wavelength study of a selected sample of massive stars in NGC6231 and contribution to the modelling of X-ray emission in colliding winds binaries.

Year: 2005

Promotor: Gregor Rauw, Eric Gosset

Name: Laurent Mahy

Title: Astrophysical parameters and multiplicity of massive stars: a mathematical approach.

Year: 2011

Promotor: Eric Gosset, Yaël Nazé

B. Supervised as member of the jury and/or of the reading committee

Name: Damien Hutsemékers (Habilitation AES thesis)

Title: Ejections de matière par les astres: des étoiles massives aux quasars.

Year: 2003–2004

Name: Marc Remy

Title: Analyse d'images multiples de quasars formées par effet de lentille gravitationnelle: implications astrophysiques et cosmologiques.

Year: 1995–1996

Name: Jean-François Claeskens

Title: Aspects statistiques du phénomène de lentille gravitationnelle dans un échantillon de quasars très lumineux.

Year: 1998–1999

Name: Hervé Lamy

Title: Contribution à l'étude de la polarisation des quasars de type BAL.

Year: 2003–2004

Name: Dominique Sluse

Title: Paires de quasars et mirages gravitationnels: études observationnelles et implications astrophysiques.

Year: 2004–2005

Name: Michaël De Becker

Title: A multiwavelength observational study of the non-thermal emission from O-type stars.

Year: 2005–2006

Name: Natacha Linder

Title: A multi-wavelength study of interactions in O + O binary systems.

Year: 2008–2009

Name: François Finet

Title: The International Liquid Mirror Telescope project: optical quality tests and prospective detection of multiply imaged quasars.

Year: 2012–2013

Name: Matthieu Palate

Title: Interactions in massive binaries: spectral modelling CoMBiSpeC and observational analyses.

Year: 2013–2014

Name: Olivier Wertz

Title: Theoretical studies of gravitational lensing phenomena: the case of multiply imaged quasars.

Year: 2013–2014

Name: Brajesh Kumar

Title: Study of supernovae and massive stars and prospects with the 4m International Liquid Mirror Telescope.

Year: 2014–2015

Name: Christian Kintziger

Title: Conception of a long-slit portable near-IR spectrometer for ground-based observations.

Year: in progress

Name: Constantin Cazorla

Title: Abundances of rapidly rotating massive stars.

Year: in progress

Name: Ludovic Delchambre

Title: Développement de processus informatiques de traitement des données observationnelles dans le cadre du projet ILMT (International Liquid Mirror Telescope).

Year: in progress

Name: Françoise Raucq

Title: Etude de la signature de processus d'échange de matière au sein des binaires massives.

Year: in progress

Outreach

- Member of the Local Organizing Committee and/or of the Science Organizing Committee of numerous Liège International Astrophysical colloquium):
 - LIAC 24 (1983): Quasars and Gravitational Lenses
 - LIAC 30 (1992): Observation and physical properties of small solar system bodies
 - LIAC 31 (1993): Gravitational Lenses in the Universe (+co-edition of the proceedings)
 - LIAC 33 (1996): Wolf-Rayet Stars in the Framework of Stellar Evolution (+co-edition of the proceedings)

- LIAC 36 (2001): From optical to millimetric interferometry: scientific and technological challenges
 - LIAC 39 (2010): The multi-wavelength view of Hot Massive Stars
- Supervisor of the restoration of the Great Meridian Circle of Liège Observatory. Documentation and visits.
- Various open door activities around the old observatory building (centenaire de l'Observatoire en 1981, fêtes du quartier, journées nationales de l'astronomie, journées du patrimoine, ...).
- Organisation of various visits of the Observatory (schools, elders, tourism office, ...).
- Promotion of Sciences
 - Salon de l'étudiant
 - Printemps des Sciences
 - Transit de Mercure (2003)
 - Transit de Vénus (2004)
 - Objectif Titan (2005)
 - Gaia launch (2013)

Publications

As active member of the Gaia-Data Processing and Analysis Consortium, we attended at least four dedicated workshops per year. We also participated those 10 last years in the conception and writing of numerous documents (technical notes, software design description, processing reports, etc...). None of them appears in the publication list of our institutional repertoire because they are still under embargo.

Legend

Bibliometric indicators linked to the journal (for those whose ISSN has been indicated by the author)

- **IF = Impact factor** Thomson ISI. Are indicated : IF of the year of publication and IF of the last edition of JCR (**last**), « ? » if not known by ORBi yet ; « - » if non-existent.
- **IF5** : idem as IF but for a 5 year period (new indicator since 2009).
- **EigenF = EigenFactor** (see : <http://www.eigenfactor.org/>).
- **Article Infl. = Article Influence** : EigenFactor divided by the number of articles published in the journal.

→ More information ? <http://orbi.ulg.ac.be/rpt#rev>

Bibliometric indicators linked to the article

- **ORBi viewed** = total number of visualizations of a reference on ORBi (of which X internally within the ULg).
- **ORBi downloaded** = total number of downloads of the full text via ORBi, including requests copy.
- **SCOPUS®** = number of citations picked up by SCOPUS®.

→ More information ? <http://orbi.ulg.ac.be/rpt#art>

(Warning : According to disciplines, some bibliometric indicators may not be relevant)

 etc: full text of the document available in Open Access

 etc: full text of the document available in restricted access

Peer reviewed (verified by ORBi) : the information is available in the ORBi journals database

1. Dissertations and Theses

1.a. Post doctoral thesis

- 1) Gosset, E. (2007). *Etudes d'étoiles massives de types spectraux O, Wolf-Rayet et apparentés*. Unpublished post doctoral thesis (Agrégation de l'enseignement supérieur), Université de Liège, Liège, Belgique.

<http://hdl.handle.net/2268/108431>

ORBi viewed: 21 (1 ULg) — SCOPUS®: -

1.b. Doctoral thesis

- 1) Gosset, E. (1987). *Analyse de nuages de points. Applications astronomiques et études de la distribution des quasars*. Unpublished doctoral thesis, Université de Liège, Liège, Belgique.

<http://hdl.handle.net/2268/108435>

Jury: Swings, J.-P. (Promotor), & Surdej, J. (Promotor).

ORBi viewed: 7 — SCOPUS®: -

1.c. Second cycle dissertations (licence, master, DES, DEA)

- 1) Gosset, E. (1978). *Etude spectroscopique de la transition A triplet Pi Inversé - X triplet Sigma moins du radical PH*. Unpublished master thesis, Université de Liège, Liège, Belgique.

<http://hdl.handle.net/2268/108439>

Jury: Dubois, I. (Promotor).

ORBi viewed: 9 — SCOPUS®: -

3. Articles in peer reviewed academic journals

3.a. With an international target audience

As first or last author

- 1)  Rauw, G., Rosu, S., Noels-Grötsch, A., Mahy, L., Schmitt, J. H. M. M., Godart, M., Dupret, M.-A., & Gosset, E. (2016). Apsidal motion in the massive binary HD 152218. *Astronomy and Astrophysics*, 594(A33), 1-12.
<http://hdl.handle.net/2268/203302>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: **35** (2 ULg) ; downloaded: **2** — SCOPUS®: **0**
IF 2016: **null?**; last: **4.378**; IF5: **4.158** — EigenF 2016: **?**; last: **0.280** — Article Infl. 2016: **?**; last: **1.9**
- 2)  Gosset, E., & Nazé, Y. (2016). The X-ray light curve of the massive colliding wind Wolf-Rayet + O binary WR 21a. *Astronomy and Astrophysics*, 590, 113.
<http://hdl.handle.net/2268/197849>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: **26** (3 ULg) ; downloaded: **7** (1 ULg) — SCOPUS®: **1** (1 self citations excluded)
IF 2016: **null?**; last: **4.378**; IF5: **4.158** — EigenF 2016: **?**; last: **0.280** — Article Infl. 2016: **?**; last: **1.9**
- 3)  De Becker, M., Hutsemekers, D., & Gosset, E. (2014). The XMM-Newton view of the yellow hypergiant IRC+10420 and its surroundings. *New Astronomy*, 29, 75-81.
<http://hdl.handle.net/2268/160591>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: **52** (12 ULg) ; downloaded: **36** — SCOPUS®: **3** (2 self citations excluded)
IF 2014: **1.146**; last: **1.146**; IF5: **1.172** — EigenF 2014: **0.004**; last: **0.004** — Article Infl. 2014: **0.6**; last: **0.6**
- 4)  Sana, H., Le Bouquin, J.-B., Mahy, L., Absil, O., De Becker, M., & Gosset, E. (2013). Three-dimensional orbits of the triple-O stellar system HD 150136. *Astronomy and Astrophysics*, 553, 131.
<http://hdl.handle.net/2268/146856>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: **39** (3 ULg) ; downloaded: **18** — SCOPUS®: **1** (1 self citations excluded)
IF 2013: **4.479**; last: **4.378**; IF5: **4.158** — EigenF 2013: **0.267**; last: **0.280** — Article Infl. 2013: **1.7**; last: **1.9**
- 5)  Nazé, Y., Oskinova, L. M., & Gosset, E. (2013). A Detailed X-Ray Investigation of ζ Puppis. II. The Variability on Short and Long Timescales. *Astrophysical Journal*, 763, 143.
<http://hdl.handle.net/2268/145317>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: **18** ; downloaded: **19** — SCOPUS®: **28** (9 self citations excluded)
IF 2013: **6.28**; last: **5.993**; IF5: **5.636** — EigenF 2013: **0.481**; last: **0.521** — Article Infl. 2013: **2.2**; last: **2.4**
- 6)  Linder, N., Rauw, G., Sana, H., De Becker, M., & Gosset, E. (2012). The Struve-Sahade effect in the optical spectra of O-type binaries. I. Main-sequence systems (Corrigendum). *Astronomy and Astrophysics*, 541, 2.
<http://hdl.handle.net/2268/125881>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: **21** ; downloaded: **0** — SCOPUS®: **0**
IF 2012: **5.084**; last: **4.378**; IF5: **4.158** — EigenF 2012: **0.241**; last: **0.280** — Article Infl. 2012: **1.5**; last: **1.9**
- 7)  Sana, H., James, G., & Gosset, E. (2011). The massive star binary fraction in young open clusters - III. IC 2944 and the Cen OB2 association. *Monthly Notices of the Royal Astronomical Society*, 416, 817-831.
<http://hdl.handle.net/2268/109657>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: **15** (1 ULg) ; downloaded: **2** (2 ULg) — SCOPUS®: **26** (19 self citations excluded)
IF 2011: **4.9**; last: **5.107**; IF5: **4.734** — EigenF 2011: **0.249**; last: **0.354** — Article Infl. 2011: **1.6**; last: **2.0**
- 8)  Parkin, E. R., & Gosset, E. (2011). Investigating the X-ray emission from the massive WR+O binary WR 22 using 3D hydrodynamical models. *Astronomy and Astrophysics*, 530, 119.
<http://hdl.handle.net/2268/93744>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: **18** (6 ULg) ; downloaded: **15** — SCOPUS®: **9** (5 self citations excluded)
IF 2011: **4.587**; last: **4.378**; IF5: **4.158** — EigenF 2011: **0.254**; last: **0.280** — Article Infl. 2011: **1.5**; last: **1.9**

- 9) Gosset, E., De Becker, M., Nazé, Y., Carpano, S., Rauw, G., Antokhin, I. I., Vreux, J.-M., & Pollock, A. M. T. (2011). XMM-Newton observation of the enigmatic object WR 46. *Astronomy and Astrophysics*, 527, 66.
 <http://hdl.handle.net/2268/56760>
 Peer reviewed (verified by ORBi) ✓
 ORBi viewed: **60** (5 ULg) ; downloaded: **3** — SCOPUS®: **9** (8 self citations excluded)
 IF 2011: **4.587**; last: **4.378**; IF5: **4.158** — EigenF 2011: **0.254**; last: **0.280** — Article Infl. 2011: **1.5**; last: **1.9**
- 10) Gosset, E., Sana, H., Rauw, G., & Nazé, Y. (2011). The X-ray emission of the WR+O binary WR 79. *Bulletin de la Societe Royale des Sciences de Liege*, 80, 683-688.
 <http://hdl.handle.net/2268/82818>
 Peer reviewed ✓
 ORBi viewed: **22** ; downloaded: **39** — SCOPUS®: -
- 11) Gosset, E., Nazé, Y., Sana, H., Rauw, G., & Vreux, J.-M. (2009). Phase-resolved XMM-Newton observations of the massive WR +O binary WR 22. *Astronomy and Astrophysics*, 508, 805-821.
 <http://hdl.handle.net/2268/35226>
 Peer reviewed (verified by ORBi) ✓
 ORBi viewed: **23** (5 ULg) ; downloaded: **2** (2 ULg) — SCOPUS®: **13** (3 self citations excluded)
 IF 2009: **4.179**; last: **4.378**; IF5: **4.158** — EigenF 2009: **0.284**; last: **0.280** — Article Infl. 2009: **1.4**; last: **1.9**
- 12) Rauw, G., Nazé, Y., Fernández Lajús, E., Lanotte, A., Solivella, G. R., Sana, H., & Gosset, E. (2009). Optical spectroscopy of X-Mega targets in the Carina nebula - VII. On the multiplicity of Tr16-112, HD93343 and HD93250. *Monthly Notices of the Royal Astronomical Society*, 398, 1582-1592.
 <http://hdl.handle.net/2268/25750>
 Peer reviewed (verified by ORBi) ✓
 ORBi viewed: **46** (10 ULg) ; downloaded: **41** (4 ULg) — SCOPUS®: **16** (4 self citations excluded)
 IF 2009: **5.103**; last: **5.107**; IF5: **4.734** — EigenF 2009: **0.280**; last: **0.354** — Article Infl. 2009: **1.9**; last: **2.0**
- 13) Linder, N., Rauw, G., Martins, F., Sana, H., De Becker, M., & Gosset, E. (2008). High-resolution optical spectroscopy of Plaskett's star. *Astronomy and Astrophysics*, 489(2), 713-723.
 <http://hdl.handle.net/2268/5151>
 Peer reviewed (verified by ORBi) ✓
 ORBi viewed: **39** (4 ULg) ; downloaded: **35** (3 ULg) — SCOPUS®: **28** (12 self citations excluded)
 IF 2008: **4.153**; last: **4.378**; IF5: **4.158** — EigenF 2008: **0.301**; last: **0.280** — Article Infl. 2008: **1.4**; last: **1.9**
- 14) Rauw, G., De Becker, M., van Winckel, H., Aerts, C., Eenens, P., Lefever, K., Vandenbussche, B., Linder, N., Nazé, Y., & Gosset, E. (2008). Spectroscopic and photometric variability of the O9.5Vp star HD93521. *Astronomy and Astrophysics*, 487(2), 659-670.
 <http://hdl.handle.net/2268/2908>
 Peer reviewed (verified by ORBi) ✓
 ORBi viewed: **41** (6 ULg) ; downloaded: **21** (2 ULg) — SCOPUS®: **21** (9 self citations excluded)
 IF 2008: **4.153**; last: **4.378**; IF5: **4.158** — EigenF 2008: **0.301**; last: **0.280** — Article Infl. 2008: **1.4**; last: **1.9**
- 15) Sana, H., Nazé, Y., O'Donnell, B., Rauw, G., & Gosset, E. (2008). The massive binary HD 152218 revisited: A new colliding wind system in NGC 6231. *New Astronomy*, 13(4), 202-215.
 <http://hdl.handle.net/2268/2688>
 Peer reviewed (verified by ORBi) ✓
 ORBi viewed: **57** (3 ULg) ; downloaded: **0** — SCOPUS®: **10** (5 self citations excluded)
 IF 2008: **1.784**; last: **1.146**; IF5: **1.172** — EigenF 2008: **0.006**; last: **0.004** — Article Infl. 2008: **0.8**; last: **0.6**
- 16) Linder, N., Rauw, G., Sana, H., De Becker, M., & Gosset, E. (2007). The Struve-Sahade effect in the optical spectra of O-type binaries - I. Main-sequence systems. *Astronomy and Astrophysics*, 474(1), 193-204.
 <http://hdl.handle.net/2268/2907>
 Peer reviewed (verified by ORBi) ✓
 ORBi viewed: **36** (2 ULg) ; downloaded: **13** — SCOPUS®: **24** (16 self citations excluded)
 IF 2007: **4.259**; last: **4.378**; IF5: **4.158** — EigenF 2007: **0.326**; last: **0.280** — Article Infl. 2007: **1.5**; last: **1.9**
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IF 2016: null?; last: 4.378; IF5: 4.158 — EigenF 2016: ?; last: 0.280 — Article Infl. 2016: ?; last: 1.9

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IF 2012: **31.027**; last: **33.611**; IF5: **35.263** — EigenF 2012: **1.353**; last: **1.222** — Article Infl. 2012: **17.7**; last: **17.9**
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IF 2012: **5.084**; last: **4.378**; IF5: **4.158** — EigenF 2012: **0.241**; last: **0.280** — Article Infl. 2012: **1.5**; last: **1.9**
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IF 2011: **4.587**; last: **4.378**; IF5: **4.158** — EigenF 2011: **0.254**; last: **0.280** — Article Infl. 2011: **1.5**; last: **1.9**
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IF 2010: **6.063**; last: **5.993**; IF5: **5.636** — EigenF 2010: **0.487**; last: **0.521** — Article Infl. 2010: **1.9**; last: **2.4**
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IF 2009: **5.103**; last: **5.107**; IF5: **4.734** — EigenF 2009: **0.280**; last: **0.354** — Article Infl. 2009: **1.9**; last: **2.0**

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 IF 2009: **4.179**; last: **4.378**; IF5: **4.158** — EigenF 2009: **0.284**; last: **0.280** — Article Infl. 2009: **1.4**; last: **1.9**
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 ORBi viewed: **34** (3 ULg) ; downloaded: **1** (1 ULg) — SCOPUS®: **75** (54 self citations excluded)
 IF 2008: **5.185**; last: **5.107**; IF5: **4.734** — EigenF 2008: **0.290**; last: **0.354** — Article Infl. 2008: **2.0**; last: **2.0**
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 ORBi viewed: **89** (8 ULg) ; downloaded: **6** (2 ULg) — SCOPUS®: **45** (27 self citations excluded)
 IF 2007: **5.249**; last: **5.107**; IF5: **4.734** — EigenF 2007: **0.297**; last: **0.354** — Article Infl. 2007: **2.1**; last: **2.0**
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 <http://hdl.handle.net/2268/17659>
 Peer reviewed (verified by ORBi) ✓
 ORBi viewed: **47** ; downloaded: **14** — SCOPUS®: **20** (9 self citations excluded)
 IF 2007: **5.249**; last: **5.107**; IF5: **4.734** — EigenF 2007: **0.297**; last: **0.354** — Article Infl. 2007: **2.1**; last: **2.0**
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 ORBi viewed: **22** (2 ULg) ; downloaded: **15** — SCOPUS®: **52** (48 self citations excluded)
 IF 2007: **4.259**; last: **4.378**; IF5: **4.158** — EigenF 2007: **0.326**; last: **0.280** — Article Infl. 2007: **1.5**; last: **1.9**
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 IF 2007: **4.259**; last: **4.378**; IF5: **4.158** — EigenF 2007: **0.326**; last: **0.280** — Article Infl. 2007: **1.5**; last: **1.9**
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 ORBi viewed: **19** (4 ULg) ; downloaded: **1** (1 ULg) — SCOPUS®: **27** (11 self citations excluded)
 IF 2006: **3.971**; last: **4.378**; IF5: **4.158** — EigenF 2006: **0.374**; last: **0.280** — Article Infl. 2006: **1.6**; last: **1.9**
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 ORBi viewed: **15** (1 ULg) ; downloaded: **6** — SCOPUS®: **37** (9 self citations excluded)
 IF 2006: **5.057**; last: **5.107**; IF5: **4.734** — EigenF 2006: **0.326**; last: **0.354** — Article Infl. 2006: **2.4**; last: **2.0**

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<http://hdl.handle.net/2268/25399>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: 50 (6 ULg) ; downloaded: 3 (1 ULg) — SCOPUS®: 43 (19 self citations excluded)
IF 2006: 5.057; last: 5.107; IF5: 4.734 — EigenF 2006: 0.326; last: 0.354 — Article Infl. 2006: 2.4; last: 2.0
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<http://hdl.handle.net/2268/1832>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: 27 (3 ULg) ; downloaded: 0 — SCOPUS®: 88 (48 self citations excluded)
IF 2006: 5.057; last: 5.107; IF5: 4.734 — EigenF 2006: 0.326; last: 0.354 — Article Infl. 2006: 2.4; last: 2.0
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ORBi viewed: 24 (2 ULg) ; downloaded: 19 — SCOPUS®: 1 (1 self citations excluded)
IF 2006: 5.057; last: 5.107; IF5: 4.734 — EigenF 2006: 0.326; last: 0.354 — Article Infl. 2006: 2.4; last: 2.0
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<http://hdl.handle.net/2268/18682>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: 51 (2 ULg) ; downloaded: 14 (1 ULg) — SCOPUS®: 30 (21 self citations excluded)
IF 2006: 3.971; last: 4.378; IF5: 4.158 — EigenF 2006: 0.374; last: 0.280 — Article Infl. 2006: 1.6; last: 1.9
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ORBi viewed: 20 (2 ULg) ; downloaded: 0 — SCOPUS®: 30 (10 self citations excluded)
IF 2006: 5.057; last: 5.107; IF5: 4.734 — EigenF 2006: 0.326; last: 0.354 — Article Infl. 2006: 2.4; last: 2.0
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<http://hdl.handle.net/2268/17658>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: 19 ; downloaded: 10 — SCOPUS®: 19 (10 self citations excluded)
IF 2006: 3.971; last: 4.378; IF5: 4.158 — EigenF 2006: 0.374; last: 0.280 — Article Infl. 2006: 1.6; last: 1.9
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ORBi viewed: 47 (14 ULg) ; downloaded: 8 (1 ULg) — SCOPUS®: 5 (3 self citations excluded)
IF 2005: 5.352; last: 5.107; IF5: 4.734 — EigenF 2005: 0.340; last: 0.354 — Article Infl. 2005: 2.6; last: 2.0
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<http://hdl.handle.net/2268/22142>
Peer reviewed (verified by ORBi) ✓
ORBi viewed: 26 (6 ULg) ; downloaded: 6 (1 ULg) — SCOPUS®: 57 (29 self citations excluded)
IF 2005: 5.352; last: 5.107; IF5: 4.734 — EigenF 2005: 0.340; last: 0.354 — Article Infl. 2005: 2.6; last: 2.0

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 ORBi viewed: **24** ; downloaded: **24** — SCOPUS®: **22** (8 self citations excluded)
 IF 2005: **4.223**; last: **4.378**; IF5: **4.158** — EigenF 2005: **0.420**; last: **0.280** — Article Infl. 2005: **1.9**; last: **1.9**
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 <http://hdl.handle.net/2268/16876>
 Peer reviewed (verified by ORBi) ✓
 ORBi viewed: **27** (3 ULg) ; downloaded: **10** — SCOPUS®: **33** (11 self citations excluded)
 IF 2005: **4.223**; last: **4.378**; IF5: **4.158** — EigenF 2005: **0.420**; last: **0.280** — Article Infl. 2005: **1.9**; last: **1.9**
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 ORBi viewed: **25** (3 ULg) ; downloaded: **27** — SCOPUS®: **8** (5 self citations excluded)
 IF 2005: **5.352**; last: **5.107**; IF5: **4.734** — EigenF 2005: **0.340**; last: **0.354** — Article Infl. 2005: **2.6**; last: **2.0**
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 ORBi viewed: **27** (2 ULg) ; downloaded: **0** — SCOPUS®: **56** (37 self citations excluded)
 IF 2005: **4.223**; last: **4.378**; IF5: **4.158** — EigenF 2005: **0.420**; last: **0.280** — Article Infl. 2005: **1.9**; last: **1.9**
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 IF 2004: **7.914**; last: **5.81**; IF5: **5.002** — EigenF 2004: **0.009**; last: **0.063** — Article Infl. 2004: **3.8**; last: **1.6**
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 ORBi viewed: **42** (1 ULg) ; downloaded: **27** — SCOPUS®: **41** (25 self citations excluded)
 IF 2004: **3.694**; last: **4.378**; IF5: **4.158** — EigenF 2004: **0.371**; last: **0.280** — Article Infl. 2004: **1.6**; last: **1.9**
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 ORBi viewed: **30** (3 ULg) ; downloaded: **17** — SCOPUS®: **71** (59 self citations excluded)
 IF 2004: **3.694**; last: **4.378**; IF5: **4.158** — EigenF 2004: **0.371**; last: **0.280** — Article Infl. 2004: **1.6**; last: **1.9**
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 ORBi viewed: **16** ; downloaded: **13** — SCOPUS®: **42** (16 self citations excluded)
 IF 2004: **5.238**; last: **5.107**; IF5: **4.734** — EigenF 2004: **0.302**; last: **0.354** — Article Infl. 2004: **2.4**; last: **2.0**

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 ORBi viewed: **31** (3 ULg) ; downloaded: **17** — SCOPUS®: **14** (9 self citations excluded)
 IF 2004: **3.694**; last: **4.378**; IF5: **4.158** — EigenF 2004: **0.371**; last: **0.280** — Article Infl. 2004: **1.6**; last: **1.9**
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 <http://hdl.handle.net/2268/2783>
 Peer reviewed (verified by ORBi) ✓
 ORBi viewed: **22** (4 ULg) ; downloaded: **21** (2 ULg) — SCOPUS®: **31** (12 self citations excluded)
 IF 2004: **3.694**; last: **4.378**; IF5: **4.158** — EigenF 2004: **0.371**; last: **0.280** — Article Infl. 2004: **1.6**; last: **1.9**
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 Peer reviewed (verified by ORBi) ✓
 ORBi viewed: **51** (8 ULg) ; downloaded: **10** (1 ULg) — SCOPUS®: **15** (6 self citations excluded)
 IF 2003: **3.843**; last: **4.378**; IF5: **4.158** — EigenF 2003: **0.364**; last: **0.280** — Article Infl. 2003: **1.7**; last: **1.9**
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 ORBi viewed: **51** (10 ULg) ; downloaded: **24** (2 ULg) — SCOPUS®: **32** (20 self citations excluded)
 IF 2002: **3.781**; last: **4.378**; IF5: **4.158** — EigenF 2002: **0.353**; last: **0.280** — Article Infl. 2002: **1.7**; last: **1.9**
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 ORBi viewed: **9** ; downloaded: **0** — SCOPUS®: **25** (13 self citations excluded)
 IF 2002: **3.781**; last: **4.378**; IF5: **4.158** — EigenF 2002: **0.353**; last: **0.280** — Article Infl. 2002: **1.7**; last: **1.9**
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 ORBi viewed: **9** ; downloaded: **0** — SCOPUS®: **20** (6 self citations excluded)
 IF 2001: **4.681**; last: **5.107**; IF5: **4.734** — EigenF 2001: **0.271**; last: **0.354** — Article Infl. 2001: **2.4**; last: **2.0**
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 Peer reviewed (verified by ORBi) ✓
 ORBi viewed: **62** (5 ULg) ; downloaded: **0** — SCOPUS®: **14** (8 self citations excluded)
 IF 2001: **2.281**; last: **4.378**; IF5: **4.158** — EigenF 2001: **0.261**; last: **0.280** — Article Infl. 2001: **1.3**; last: **1.9**
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 IF 2001: **2.281**; last: **4.378**; IF5: **4.158** — EigenF 2001: **0.261**; last: **0.280** — Article Infl. 2001: **1.3**; last: **1.9**
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 ORBi viewed: **9** (1 ULg) ; downloaded: **0** — SCOPUS®: **26** (12 self citations excluded)
 IF 2000: **2.79**; last: **4.378**; IF5: **4.158** — EigenF 2000: **0.264**; last: **0.280** — Article Infl. 2000: **1.5**; last: **1.9**

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 IF 2000: **1.745**; last: -; IF5: - — EigenF: — Article Infl.:
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 ORBi viewed: **48** (6 ULg) ; downloaded: **14** — SCOPUS®: **22** (16 self citations excluded)
 IF 1997: **1.136**; last: -; IF5: - — EigenF: — Article Infl.:
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 Peer reviewed (verified by ORBi) ✓
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 IF 1996: **2.288**; last: **4.378**; IF5: **4.158** — EigenF 1996: -; last: **0.280** — Article Infl. 1996: -; last: **1.9**
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4. Articles in non-peer reviewed academic journals

4.a. With an international target audience

- 1) Gilmore, G., Randich, S., Asplund, M., Binney, J., Bonifacio, P., Drew, J., Feltzing, S., Ferguson, A., Jeffries, R., Micela, G., Negueruela, I., Prusti, T., Rix, H.-W., Vallenari, A., Alfaro, E., Allende-Prieto, C., Babusiaux, C., Bensby, T., Blomme, R., Bragaglia, A., Flaccomio, E., François, P., Irwin, M., Koposov, S., Korn, A., Lanzafame, A., Pancino, E., Paunzen, E., Recio-Blanco, A., Sacco, G., Smiljanic, R., Van Eck, S., Walton, N., Aden, D., Aerts, C., Affer, L., Alcalá, J.-M., Altavilla, G., Alves, J., Antoja, T., Arenou, F., Argiroffi, C., Asensio Ramos, A., Bailer-Jones, C., Balaguer-Núñez, L., Bayo, A., Barbuy, B., Barisevicius, G., Barrado y Navascués, D., Battistini, C., Bellas Velidis, I., Bellazzini, M., Belokurov, V., Bergemann, M., Bertelli, G., Biazzo, K., Bienayme, O., Bland-Hawthorn, J., Boeche, C., Bonito, S., Boudreault, S., Bouvier, J., Brandao, I., Brown, A., de Bruijne, J., Burleigh, M., Caballero, J., Caffau, E., Calura, F., Capuzzo-Dolcetta, R., Caramazza, M., Carraro, G., Casagrande, L., Casewell, S., Chapman, S., Chiappini, C., Chorniy, Y., Christlieb, N., Cignoni, M., Cocozza, G., Colless, M., Collet, R., Collins, M., Correnti, M., Covino, E., Crnojevic, D., Cropper, M., Cunha, M., Damiani, F., David, M., Delgado, A., Duffau, S., Edvardsson, B., Eldridge, J., Enke, H., Eriksson, K., Evans, N. W., Eyer, L., Famaey, B., Fellhauer, M., Ferreras, I., Figueras, F., Fiorentino, G., Flynn, C., Folha, D., Franciosini, E., Frasca, A., Freeman, K., Fremat, Y., Friel, E., Gaensicke, B., Gameiro, J., Garzon, F., Geier, S., Geisler, D., Gerhard, O., Gibson, B., Gomboc, A., Gomez, A., Gonzalez-Fernandez, C., Gonzalez Hernandez, J., Gosset, E., Grebel, E., Greimel, R., Groenewegen, M., Grundahl, F., Guarcello, M., Gustafsson, B., Hadrava, P., Hatzidimitriou, D., Hambly, N., Hammersley, P., Hansen, C., Haywood, M., Heber, U., Heiter, U., Held, E., Helmi, A., Hensler, G., Herrero, A., Hill, V., Hodgkin, S., Huelamo, N., Huxor, A., Ibata, R., Jackson, R., de Jong, R., Jonker, P., Jordan, S., Jordi, C., Jorissen, A., Katz, D., Kawata, D., Keller, S., Kharchenko, N., Klement, R., Klutsch, A., Knude, J., Koch, A., Kochukhov, O., Kontizas, M., Koubzsky, P., Lallement, R., de Laverny, P., van Leeuwen, F., Lemasle, B., Lewis, G., Lind, K., Lindstrom, H. P. E., Lobel, A., Lopez Santiago, J., Lucas, P., Ludwig, H., Lueftinger, T., Magrini, L., Maiz Apellaniz, J., Maldonado, J., Marconi, G., Marino, A., Martayan, C., Martinez-Valpuesta, I., Matijevic, G., McMahon, R., Messina, S., Meyer, M., Miglio, A., Mikolaitis, S., Minchev, I., Minniti, D., Moitinho, A., Momany, Y., Monaco, L., Montalto, M., Monteiro, M. J., Monier, R., Montes, D., Mora, A., Moraux, E., Morel, T., Mowlavi, N., Mucciarelli, A., Munari, U., Napiwotzki, R., Nardetto, N., Naylor, T., Nazé, Y., Nelemans, G., Okamoto, S., Ortolani, S., Pace, G., Palla, F., Palous, J., Parker, R., Penarrubia, J., Pillitteri, I., Piotto, G., Posbic, H., Prisinzano, L., Puzeras, E., Quirrenbach, A., Ragaini, S., Read, J., Read, M., Reyle, C., De Ridder, J., Robichon, N., Robin, A., Roeser, S., Romano, D., Royer, F., Ruchti, G., Ruzicka, A., Ryan, S., Ryde, N., Santos, N., Sanz Forcada, J., Sarro Baro, L. M., Sbordone, L., Schilbach, E., Schmeja, S., Schnurr, O., Schoenrich, R., Scholz, R.-D., Seabroke, G., Sharma, S., De Silva, G., Smith, M., Solano, E., Sordo, R., Soubiran, C., Sousa, S., Spagna, A., Steffen, M., Steinmetz, M., Stelzer, B., Stempels, E., Tabernero, H., Tautvaisiene, G., Thevenin, F., Torra, J., Tosi, M., Tolstoy, E., Turon, C., Walker, M., Wambsganss, J., Worley, C., Venn, K., Vink, J., Wyse, R., Zaggia, S., Zeilinger, W., Zoccali, M., Zorec, J., Zucker, D., Zwitter, T., & Gaia-ESO Survey Team. (2012). The Gaia-ESO Public Spectroscopic Survey. *The Messenger*, 147, 25-31.
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5. Books

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- 1) Gosset, E., & Rauw, G. (2009). Spectroscopic and photometric variability of O and Wolf-Rayet stars. *Communications in Asteroseismology*, 158, 138.
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- 2) Garcet, O., Gandhi, P., Gosset, E., Gueguen, A., Pacaud, F., Pierre, M., & Surdej, J. (2006). Angular Clustering of X-ray Point-Like Sources in the XMM Large Scale Structure Survey. In A., Wilson (Ed.), *Proceedings of the 'The X-ray Universe 2005'* (pp. 617-618). Noordwijk, The Netherlands: ESA Publications Division.
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9.b. On a personal proposal

Published

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- 1) Gosset, E., Sana, H., Linder, N., & Rauw, G. (2009). Evidence for line-profile variability in the spectrum of the O supergiant HD 152249: preliminary results. *Communications in Asteroseismology*, 158, 202.
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- 2) Sana, H., & Gosset, E. (2009). Line profile variability in the massive binary HD 152219. *Communication in Asteroseismology*, 158, 205.
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- 1) Gosset, E. (2016). Studies of WR+O colliding-wind binaries. In W.-R., Hamann, A., Sander, & H., Todt (Eds.), *Wolf-Rayet Stars: Proceedings of an International Workshop held in Potsdam, Germany, 1-5 June 2015. Edited by Wolf-Rainer Hamann, Andreas Sander, Helge Todt. Universitätsverlag Potsdam, 2015., p.305-308* (pp. 305-308). Potsdam, Germany: Potsdam University Press.
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- 19)  Gosset, E., Rauw, G., Vreux, J.-M., Nazé, Y., Antokhin, I. I., & Sana, H. (2003). Preliminary results from XMM-Newton observations of the massive Wolf-Rayet binary WR 22 (WN7h+O9III-V). *A Massive Star Odyssey: From Main Sequence to Supernova* (pp. 188).
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Oral presentations only or conference poster

With an international target audience

- 1)  Raucq, F., Rauw, G., Gosset, E., Manfroid, J., & Mahy, L. (2016, July). *Observational signatures of past mass-exchange episodes in massive binaries : The cases of LSS 3074 and HD 17505*. Poster session presented at Binary Stars in Cambridge 2016, Cambridge, United Kingdom.
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- 6)  Mahy, L., Gosset, E., Rauw, G., Sana, H., Fauchez, T., & Nitschelm, C. (2010). *HD 150136: towards one of the most massive systems?* Poster session presented at IAUS 272 Active OB stars - structure, evolution, mass loss and critical limits, Paris, France.
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- 10) Mahy, L., Nazé, Y., Rauw, G., Gosset, E., De Becker, M., Eenens, P., & Sana, H. (2008). *Multiplicity of O-type stars in NGC 2244*. Poster session presented at Hot massive stars ... A lifetime of influence (Contifest), Flagstaff, Arizona, Etats-Unis.
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- 11) Garcet, O., Gandhi, P., Disseau, L., Gosset, E., Gueguen, A., Pacaud, F., Pierre, M., & Surdej, J. (2007). *The XMM-LSS Survey : properties and two-point angular correlations of point-like sources*. Poster session presented at XMM-Newton: The Next Decade, Villafranca del Castillo, Madrid, Spain.
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- 12) Garcet, O., Gandhi, P., Gosset, E., Sprimont, P.-G., Surdej, J., & et al. (2007). *The XMM-LSS Survey: about Testing the Unified Scheme upon optically identified X-ray selected AGN in the [2-10] keV Band*. Poster session presented at XMM-Newton: The Next Decade, Villafranca del Castillo, Madrid, Spain.
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With a national target audience

- 1) Raucq, F., Rauw, G., Gosset, E., Nazé, Y., Hervé, A., & Martins, F. (2015, May 19). *Observational signatures of past mass-exchange episodes in massive binaries : The case of HD149404*. Paper presented at FNRS Contact Group "Astronomie & Astrophysique" & Astronomy Day of the Royal Observatory of Belgium.
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11. Reports

11.a. Research reports

External

- 1) Nandra, K., Barret, D., Barcons, X., Fabian, A., den Herder, J.-W., Piro, L., Watson, M., Adami, C., Aird, J., Afonso, J. M., Alexander, D., Argiroffi, C., Amati, L., Arnaud, M., Atteia, J.-L., Audard, M., Badenes, C., Ballet, J., Ballo, L., Bamba, A., Bhardwaj, A., Stefano Battistelli, E., Becker, W., De Becker, M., Behar, E., Bianchi, S., Biffi, V., Birzan, L., Bocchino, F., Bogdanov, S., Boirin, L., Boller, T., Borgani, S., Borm, K., Bouché, N., Bourdin, H., Bower, R., Braito, V., Branchini, E., Branduardi-Raymont, G., Bregman, J., Brenneman, L., Brightman, M., Brüggen, M., Buchner, J., Bulbul, E., Brusa, M., Bursa, M., Caccianiga, A., Cackett, E., Campana, S., Cappelluti, N., Cappi, M., Carrera, F., Ceballos, M., Christensen, F., Chu, Y.-H., Churazov, E., Clerc, N., Corbel, S., Corral, A., Comastri, A., Costantini, E., Croston, J., Dadina, M., D'Ai, A., Decourchelle, A., Della Ceca, R., Dennerl, K., Dolag, K., Done, C., Dovciak, M., Drake, J., Eckert, D., Edge, A., Etti, S., Ezoe, Y., Feigelson, E., Fender, R., Feruglio, C., Finoguenov, A., Fiore, F., Galeazzi, M., Gallagher, S., Gandhi, P., Gaspari, M., Gastaldello, F., Georgakakis, A., Georgantopoulos, I., Gilfanov, M., Gitti, M., Gladstone, R., Goosmann, R., Gosset, E., Grosso, N., Guedel, M., Guerrero, M., Haberl, F., Hardcastle, M., Heinz, S., Alonso Herrero, A., Hervé, A., Holmstrom, M., Iwasawa, K., Jonker, P., Kaastra, J., Kara, E., Karas, V., Kastner, J., King, A., Kosenko, D., Koutroumpa, D., Kraft, R., Kreykenbohm, I., Lallement, R., Lanzuisi, G., Lee, J., Lemoine-Goumard, M., Lobban, A., Lodato, G., Lovisari, L., Lotti, S., McCharthy, I., McNamara, B., Maggio, A., Maiolino, R., De Marco, B., de Martino, D., Mateos, S., Matt, G., Maughan, B., Mazzotta, P., Mendez, M., Merloni, A., Micela, G., Miceli, M., Mignani, R., Miller, J., Miniutti, G., Molendi, S., Montez, R., Moretti, A., Motch, C., Nazé, Y., Nevalainen, J., Nicastro, F., Nulsen, P., Ohashi, T., O'Brien, P., Osborne, J., Oskinova, L., Pacaud, F., Paerels, F., Page, M., Papadakis, I., Pareschi, G., Petre, R., Petrucci, P.-O., Piconcelli, E., Pillitteri, I., Pinto, C., de Plaa, J., Pointecouteau, E., Ponman, T., Ponti, G., Porquet, D., Pounds, K., Pratt, G., Predehl, P., Proga, D., Psaltis, D., Rafferty, D., Ramos-Ceja, M., Ranalli, P., Rasia, E., Rau, A., Rauw, G., Rea, N., Read, A., Reeves, J., Reiprich, T., Renaud, M., Reynolds, C., Risaliti, G., Rodriguez, J., Rodriguez Hidalgo, P., Roncarelli, M., Rosario, D., Rossetti, M., Roszanska, A., Rovilos, E., Salvaterra, R., Salvato, M., Di Salvo, T., Sanders, J., Sanz-Forcada, J., Schawinski, K., Schaye, J., Schwobe, A., Sciortino, S., Severgnini, P., Shankar, F., Sijacki, D., Sim, S., Schmid, C., Smith, R., Steiner, A., Stelzer, B., Stewart, G., Strohmayer, T., Strüder, L., Sun, M., Takei, Y., Tatischeff, V., Tiengo, A., Tombesi, F., Trinchieri, G., Tsuru, T. G., Ud-Doula, A., Ursino, E., Valencic, L., Vanzella, E., Vaughan, S., Vignali, C., Vink, J., Vito, F., Volonteri, M., Wang, D., Webb, N., Willingale, R., Wilms, J., Wise, M., Worrall, D., Young, A., Zampieri, L., In't Zand, J., Zane, S., Zezas, A., Zhang, Y., & Zhuravleva, I. (2013). *The Hot and Energetic Universe: A White Paper presenting the science theme motivating the Athena+ mission*. ESA.

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- 2) Sciortino, S., Rauw, G., Audard, M., Argiroffi, C., Chu, Y.-H., De Becker, M., Drake, J., Feigelson, E., Gosset, E., Grosso, N., Güdel, M., Guerrero, M., Hervé, A., Kastner, J., Montez, R., Nazé, Y., Oskinova, L., Stelzer, B., & ud-Doula, A. (2013). *The Hot and Energetic Universe: Star formation and evolution*. ESA.

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13. Computer developments

13.b. Textual, factual or bibliographical databases

- 1) Garcet, O., Gandhi, P., Gosset, E., Sprimont, P.-G., Surdej, J., Borkowski, V., Tajer, M., Pacaud, F., Pierre, M., Chiappetti, L., Maccagni, D., Page, M. J., Carrera, F. J., Tedds, J. A., Mateos, S., Krumpe, M., Contini, T., Corral, A., Ebrero, J., Gavignaud, I., Schwobe, A., Le Fevre, O., Polletta, M., Rosen, S., Lonsdale, C., Watson, M., Borczyk, W., & Vaisanen, P. (2007). *XMM-LSS survey: AGN classifications (Garcet+, 2007)*.

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- 2) Pierre, M., Chiappetti, L., Pacaud, F., Gueguen, A., Libbrecht, C., Altieri, B., Aussel, H., Gandhi, P., Garcet, O., Gosset, E., Paoro, L., Ponman, T. J., Read, A., Refregier, A., Starck, J.-L., Surdej, J., Valtchanov, I., Adami, C., Alloin, D., Alshino, A., Andreon, S., Birkinshaw, M., Bremer, M., Detal, A., Duc, P.-A., Galaz, G., Jones, L., Le Fevre, J.-P., Le Fevre, O., Maccagni, D., Mazure, A., Quintana, H., Rottgering, H. J. A., Sprimont, P.-G., Tasse, C., Trinchieri, G., & Willis, J. P. (2007). *XMM-LSS catalogue. Version I. (Pierre+, 2007)*.

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- 3) Chiappetti, L., Tajer, M., Trinchieri, G., Maccagni, D., Maraschi, L., Paoro, L., Pierre, M., Surdej, J., Garcet, O., Gosset, E., Le Fevre, O., Bertin, E., McCracken, H. J., Mellier, Y., Foucaud, S., Radovich, M., Ripepi, V., & Arnaboldi, M. (2005). *XMDS/VVDS 4{sigma} catalogue (Chiappetti+, 2005)*.

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14. Diverse speeches and writings

14.d Others

- 1) Gosset, E., & Nazé, Y. (2012). *Sur l'histoire de l'astronomie à Liège*.



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