

**Personal details**

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**Employment**

2018 – present ICREA Research Professor, University of Barcelona, Spain  
 2013 – 2019 Professor of Astrophysics, University of Surrey, UK  
 2013 – 2018 Royal Society University Research Fellowship (URF)  
 2013 – 2018 Head of the Astrophysics Research Group, University of Surrey, UK  
 2010 – 2012 Royal Society URF, Institute of Astronomy, University of Cambridge, UK  
 2009 ESO Fellowship, School of Mathematics, Edinburgh, UK  
 2006 – 2009 ESO Fellowship, Santiago/Paranal, Chile

**Highlights of academic achievements**

2021 First author on Nature Astronomy publication on discovery of black hole population in Palomar 5  
 2019 Setup a Virgo/gravitational wave research group at ICCUB, Spain  
 2017 & 2019 Ranked A for ERC Consolidator grant (under funding cut-off)  
 2018 Became Research Professor of Catalan Institution for Research & Advanced Studies (ICREA)  
 2017 Joined editorial board of Monthly Notices of the Royal Astronomical Society (MNRAS)  
 2014 Awarded a 3-year extension of Royal Society University Research Fellowship (URF)  
 2013 Awarded an ERC Starting Grant (Stg-335936, CLUSTERS)  
 2013 Became full Professor and setup a new astrophysics research group at the University of Surrey, UK  
 2010 Co-author on Annual Review of Astronomy and Astrophysics (ARAA), >900 citations  
 2009 Awarded a 5-year Royal Society University Research Fellowship (URF)

**Education**

2002 – 2006 PhD in astronomy: *Star clusters*  
 Thesis adviser: Prof. Henny J.G.L.M. Lamers  
 Co-adviser: Prof. Simon F. Portegies Zwart  
 Astronomical Institute, Utrecht University, the Netherlands  
 1995 – 2002 MSc in observational astronomy  
 Astronomical Institute, Utrecht University, the Netherlands  
 MSc in experimental physics  
 Department of Nuclear Medicine, University Medical Center Utrecht, the Netherlands

**Grants and awards**

2023 UB funding for ICCUB computing server (PI, €30k)  
 2023 – 2026 La Caixa doctoral INPhINIT incoming fellowship (host, PI:Fotios Fronimos Pouliaasis, €100k)  
 2023 – 2026 Beatriu de Pinós fellowship (host, PI: Sara Rastello, €140k)  
 2022 – 2025 Proyectos de Generación de Conocimiento Spanish Ministry of Science and Innovation (PI, €194k)  
 2021 – 2024 SGR GRE AGAUR (PI, €36k)  
 2020 – 2023 Europa Excelencia grant Spanish Ministry of Science and Innovation (PI, €60k)  
 2020 – 2023 María de Maeztu Unit of Excellence grant ICCUB (co-I, €2M)  
 2013 – 2019 European Research Council (ERC) Starting Grant (PI, €1.5M)  
 2018 – 2020 STFC Consolidated grant (co-PI, PI: Rob Izzard, £300k)  
 2014 – 2018 Royal Society University Research Fellowship (URF) (PI, £350k)  
 2014 – 2016 Newton International Fellowship (host, PI: Alice Zocchi. £90k)  
 2011 – 2013 Royal Society Research Grant (PI, £37k)  
 2010 – 2012 Research Fellowship Clare Hall College, Cambridge, UK  
 2009 – 2014 Royal Society University Research Fellowship (URF) (PI, £500k)  
 2004 Marie Curie Trainingsite Fellowship, January – April, Marseille, France

## Publications and dissemination

146 publications in peer-reviewed journals (>11 000 citations), of which 29 as first author,  $h$ -index = 57 ([ADS link](#))  
 79 publications in conference proceedings and non-refereed journals  
 66 talks at international conferences of which 27 invited, 7 reviews and 1 a conference summary  
 50 seminars and colloquia given at astronomical institutes around the world

## Supervision of PhD students and postdoctoral fellows

2023 – present Host La Caixa INPhINIT PhD student Fotios Fronimos, University of Barcelona, Spain  
 2023 – present Host Beatriu de Pinós fellow Sara Rastello, University of Barcelona, Spain  
 2021 – present Supervisor PhD student Daniel Marin Pina, University of Barcelona, Spain  
 2018 – 2019 Employer PDRA Sofia Meneses-Goytia (ERC-Stg), University of Surrey, UK  
 2014 – 2019 Supervisor PhD student Ian Claydon (ERC-Stg), University of Surrey, UK  
 2017 – 2018 Employer PDRA Luis Martinez & Thomas de Boer (ERC-Stg), University of Surrey, UK  
 2014 – 2018 Employer PDRA Eduardo Balbinot (ERC-Stg), University of Surrey, UK  
 2014 – 2018 Supervisor PhD student Miklos Peuten (ERC-Stg), University of Surrey, UK  
 2016 – 2017 Co-supervisor PhD student Kearn Grisdale, University of Surrey, UK  
 2014 – 2017 Co-host Daphne Jackson Fellow Matt North, University of Surrey, UK  
 2014 – 2017 Employer PDRA Florent Renaud (ERC-Stg), University of Surrey, UK  
 2014 – 2017 Supervisor PhD students Filippo Contenta (ERC-Stg), University of Surrey, UK  
 2014 – 2017 Co-supervisor PhD student James Petts, University of Surrey, UK  
 2016 Employer PDRA Alice Zocchi (ERC-Stg), University of Surrey, UK  
 2013 – 2016 Employer PDRA Vincent Hénault-Brunet, University of Surrey, UK  
 2013 – 2016 Host Newton International Fellow Alice Zocchi, University of Surrey, UK  
 2011 – 2012 Co-supervisor of PhD student Sarah Smedley, University of Cambridge, UK  
 2010 – 2014 Supervisor PhD student Poul Alexander, University of Cambridge, UK

## Teaching

2019 – present Guest lecturer in master's course *Galactic Astronomy*, University of Barcelona, Spain  
 2016 – 2018 Master's course *Astrophysical Dynamics*, University of Surrey, UK  
 2014 – 2018 3<sup>d</sup> year course *Research Techniques*, University of Surrey, UK  
 2013 – 2019 2<sup>nd</sup> year course *Introduction to Astronomy*, University of Surrey, UK  
 July 2012 Faculty and scientific organiser of the 13<sup>th</sup> Vatican Observatory Summer School  
 November 2011 Series of invited lectures on  $N$ -body integrations, Vilnius, Lithuania  
 October 2011 Part II undergraduate lecture on  $N$ -body integrations, University of Cambridge, UK  
 April 2009 Guest teacher in undergraduate course, University of Concepción, Chile  
 2005 Co-organiser *Galaxies* course, Utrecht University, the Netherlands

## Conference organisation

2023 SOC "2 in a million" - *The interplay between binaries and clusters*, ESO Garching, Germany  
 2023 SOC "MODEST 23", Northwestern, USA  
 2019 SOC *The dynamics of stellar clusters: simulations and observations at low and high  $z$* , Lyon, France  
 2018 Co-chair *The formation of globular clusters at low and high redshift*, Sesto, Italy  
 2017 Co-chair *Globular clusters in the cosmological context*, Royal Society, Buckinghamshire, UK  
 2016 Co-chair collisional working group *Gaia Challenge* workshop IV, Stockholm, Sweden  
 2015 Co-chair collisional working group *Gaia Challenge* workshop III, Barcelona, Spain  
 2014 SOC *Stellar N-body dynamics* in honour of 80<sup>th</sup> birthday of Sverre Aarseth, Sesto, Italy  
 2014 SOC *International summer institute for modelling in astrophysics (ISIMA)*, Toronto, Canada  
 2014 Co-chair collisional working group *Gaia Challenge* workshop II, Heidelberg, Germany  
 2013 Co-chair of *Gaia challenge* workshop I, Guildford, UK  
 2012 Co-chair of MODEST-12 *Modelling and observing dense stellar systems*, Kobe, Japan  
 2011 Co-chair of ESO workshop *Dynamics of low-mass stellar system*, Santiago, Chile

## Involvement in ongoing observing/computational proposals

106.21UN ESO Public Spectroscopic Survey: *Stellar Clusters in the 4MOST footprint* (PI: Lucatello)  
 0102.D-0164 ESO: *Do globular clusters contain dark matter?* (PI: Gieles)  
 A/2018B/22 AAT: *The Origin of Globular Clusters: Kinematics & chemistry with AAOmega* (PIs: Lewis & Gieles)  
 2016153603 PRACE: *How do globular clusters form?* (PI: Renaud)

A/2017B/24     AAT: *Open clusters with HERMES* (PI: Da Silva)  
 188.B-3002     ESO: *Gaia-ESO Survey* (PIs: G. Gilmore & S. Randich)  
 182.D-0222     ESO Large Program: *VLT-FLAMES Tarantula Survey (VFTS)* (PI: C. Evans)

### Public engagement

2020 – present     Podcasts, radio interviews, public lectures in Spanish and English  
 2021                 [Press release](#) on black hole discovery in NGC1850  
 2021                 [Press release](#) on black hole population in Palomar 5  
 2018                 [Press release](#) on supermassive stars in globular clusters  
 2017                 [Press release](#) on dark matter core in Eridanus II, see also [CORDIS website](#)  
 2016                 [Press release](#) on discovery of black hole population in NGC6101  
 2014 – 2016         Regular outreach events with Surrey with the on-campus 16 inch telescope

### Commissions of trust

2017 – present     Member of editorial board MNRAS  
 2016 – 2019         Diversity committee Royal Society  
 2010 – present     Regular grant reviewer for Royal Society, ERC, Polish National Academy, Conicyt (Chile)  
 2008 – present     Regular reviewer for MNRAS, A&A, ApJ, AJ, Nature, Science

### Observing and instrumentation experience

2007 – 2009         2<sup>nd</sup> Instrument Scientist of the ESO multi-object fibre spectrograph FLAMES  
 2006 – 2009         240 observing nights as support astronomer on the Very Large Telescope (VLT)  
                               on UT2 with UVES, FLAMES and FORS1 and on UT3 with VIMOS and VISIR  
 2001                 30 nights at the Dutch 90cm telescope, La Silla, Chile

### Languages

Dutch	Native speaker	English	Fluent
Spanish	Fluent	German	Fair

## Refereed publications

146. *Demographics of three-body binary black holes in star clusters: implications for gravitational waves* Marín Pina, D., & **Gieles, M.** (2024), Mon. Not. R. Astron. Soc., 527, 8369.
145. *The influence of black holes on the binary population of the globular cluster Palomar 5* Wang, L., **Gieles, M.**, Baumgardt, H., Li, C., Pang, X., & Tang, B. (2024), Mon. Not. R. Astron. Soc., 527, 7495.
144. *Binary Vision: The Mass Distribution of Merging Binary Black Holes via Iterative Density Estimation* Sadiq, J., Dent, T., & **Gieles, M.** (2024), Astrophys. J., 960, 65.
143. *A closer look at the binary content of NGC 1850* Saracino, S., Kamann, S., Bastian, N., **Gieles, M.**, Shenar, T., Reindl, N., Müller-Horn, J., Usher, C., Dreizler, S., & Hénault-Brunet, V. (2023), Mon. Not. R. Astron. Soc., 526, 299.
142. *Stellar-mass black holes in the Hyades star cluster?* Torniamenti, S., **Gieles, M.**, Penoyre, Z., Jerabkova, T., Wang, L., & Anders, F. (2023), Mon. Not. R. Astron. Soc., 524, 1965.
141. *The mass-loss rates of star clusters with stellar-mass black holes: implications for the globular cluster mass function* **Gieles, M.**, & Gnedin, O. Y. (2023), Mon. Not. R. Astron. Soc., 522, 5340.
140. *Multimass modelling of Milky Way globular clusters - I. Implications on their stellar initial mass function above  $1 M_{\odot}$*  Dickson, N., Hénault-Brunet, V., Baumgardt, H., **Gieles, M.**, & Smith, P. J. (2023), Mon. Not. R. Astron. Soc., 522, 5320.
139. *The multiplicity fraction in 202 open clusters from Gaia* Donada, J., Anders, F., Jordi, C., Masana, E., **Gieles, M.**, Perren, G. I., Balaguer-Núñez, L., Castro-Ginard, A., Cantat-Gaudin, T., & Casamiquela, L. (2023), Astron. Astrophys., 675, A89.
138. *Coalescing black hole binaries from globular clusters: mass distributions and comparison to gravitational wave data from GWTC-3* Antonini, F., **Gieles, M.**, Dosopoulou, F., & Chattopadhyay, D. (2023), Mon. Not. R. Astron. Soc., 522, 466.
137. *Updated radial velocities and new constraints on the nature of the unseen source in NGC1850 BH1* Saracino, S., Shenar, T., Kamann, S., Bastian, N., **Gieles, M.**, Usher, C., Bodensteiner, J., Kochoska, A., Orosz, J. A., & Sana, H. (2023), Mon. Not. R. Astron. Soc., 521, 3162.
136. *N-enhancement in GN-z11: First evidence for supermassive stars nucleosynthesis in proto-globular clusters-like conditions at high redshift?* Charbonnel, C., Schaerer, D., Prantzos, N., Ramírez-Galeano, L., Fragos, T., Kuruvanthodi, A., Marques-Chaves, R., & **Gieles, M.** (2023), Astron. Astrophys., 673, L7.
135. *Dynamics in the outskirts of four Milky Way globular clusters: it's the tides that dominate* Wan, Z., Arnold, A. D., Oliver, W. H., Lewis, G. F., Baumgardt, H., **Gieles, M.**, Hénault-Brunet, V., de Boer, T., Balbinot, E., Da Costa, G., et al. (2023), Mon. Not. R. Astron. Soc., 519, 192.
134. *The VLT-FLAMES Tarantula Survey. Observational evidence for two distinct populations of massive runaway stars in 30 Doradus* Sana, H., Ramírez-Agudelo, O. H., Hénault-Brunet, V., Mahy, L., Almeida, L. A., de Koter, A., Bestenlehner, J. M., Evans, C. J., Langer, N., Schneider, F. R. N., et al. (2022), Astron. Astrophys., 668, L5.
133. *On the response of a star cluster to a tidal perturbation* Martínez-Medina, L. A., **Gieles, M.**, Gnedin, O. Y., & Li, H. (2022), Mon. Not. R. Astron. Soc., 516, 1237.
132. *An X-ray-quiet black hole born with a negligible kick in a massive binary within the Large Magellanic Cloud* Shenar, T., Sana, H., Mahy, L., El-Badry, K., Marchant, P., Langer, N., Hawcroft, C., Fabry, M., Sen, K., Almeida, L. A., et al. (2022), Nature Astronomy, 6, 1085.
131. *A black hole detected in the young massive LMC cluster NGC 1850* Saracino, S., Kamann, S., Guarcello, M. G., Usher, C., Bastian, N., Cabrera-Ziri, I., **Gieles, M.**, Dreizler, S., Da Costa, G. S., Husser, T.-O., & Hénault-Brunet, V. (2022), Mon. Not. R. Astron. Soc., 511, 2914.
130. *Weighing stars from birth to death: mass determination methods across the HRD* Serenelli, A., Weiss, A., Aerts, C., Angelou, G. C., Baroch, D., Bastian, N., Beck, P. G., Bergemann, M., Bestenlehner, J. M., Czekala, I., et al. (2021), Astron. Astrophys. Rev., 29, 4.

129. *A supra-massive population of stellar-mass black holes in the globular cluster Palomar 5* Gieles, M., Erkal, D., Antonini, F., Balbinot, E., & Peñarrubia, J. (2021), *Nature Astronomy*, 5, 957.
128. *Haydn* Miglio, A., Girardi, L., Grundahl, F., Mosser, B., Bastian, N., Bragaglia, A., Brogaard, K., Buldgen, G., Chantreau, W., Chaplin, W., et al. (2021), *Experimental Astronomy*, 51, 963.
127. *Massive stars in extremely metal-poor galaxies: a window into the past* Garcia, M., Evans, C. J., Bestenlehner, J. M., Bouret, J. C., Castro, N., Cerviño, M., Fullerton, A. W., Gieles, M., Herrero, A., de Koter, A., et al. (2021), *Experimental Astronomy*, 51, 887.
126. *MUSE narrow field mode observations of the central kinematics of M15* Usher, C., Kamann, S., Gieles, M., Hénault-Brunet, V., Dalessandro, E., Balbinot, E., & Sollima, A. (2021), *Mon. Not. R. Astron. Soc.*, 503, 1680.
125. *The dynamics of the globular cluster NGC 3201 out to the Jacobi radius* Wan, Z., Oliver, W. H., Baumgardt, H., Lewis, G. F., Gieles, M., Hénault-Brunet, V., de Boer, T., Balbinot, E., Da Costa, G., & Mackey, D. (2021), *Mon. Not. R. Astron. Soc.*, 502, 4513.
124. *The star cluster age function in the Galactic disc with Gaia DR2. Fewer old clusters and a low cluster formation efficiency* Anders, F., Cantat-Gaudin, T., Quadrino-Lodoso, I., Gieles, M., Jordi, C., Castro-Ginard, A., & Balaguer-Núñez, L. (2021), *Astron. Astrophys.*, 645, L2.
123. *Merger rate of black hole binaries from globular clusters: Theoretical error bars and comparison to gravitational wave data from GWTC-2* Antonini, F., & Gieles, M. (2020), *Phys. Rev. D*, 102, 123016.
122. *Star Clusters Near and Far; Tracing Star Formation Across Cosmic Time* Adamo, A., Zeidler, P., Kruijssen, J. M. D., Chevance, M., Gieles, M., Calzetti, D., Charbonnel, C., Zinnecker, H., & Krause, M. G. H. (2020), *Space Sci. Rev.*, 216, 69.
121. *The Physics of Star Cluster Formation and Evolution* Krause, M. G. H., Offner, S. S. R., Charbonnel, C., Gieles, M., Klessen, R. S., Vázquez-Semadeni, E., Ballesteros-Paredes, J., Girichidis, P., Kruijssen, J. M. D., Ward, J. L., & Zinnecker, H. (2020), *Space Sci. Rev.*, 216, 64.
120. *A closer look at the spur, blob, wiggle, and gaps in GD-1* de Boer, T. J. L., Erkal, D., & Gieles, M. (2020), *Mon. Not. R. Astron. Soc.*, 494, 5315.
119. *Time-domain Study of the Young Massive Cluster Westerlund 2 with the Hubble Space Telescope. I* Sabbi, E., Gennaro, M., Anderson, J., Bajaj, V., Bastian, N., Gallagher, J. S., Gieles, M., Lennon, D. J., Nota, A., Sahu, K. C., & Zeidler, P. (2020), *Astrophys. J.*, 891, 182.
118. *Population synthesis of black hole binary mergers from star clusters* Antonini, F., & Gieles, M. (2020), *Mon. Not. R. Astron. Soc.*, 492, 2936.
117. *On the black hole content and initial mass function of 47 Tuc* Hénault-Brunet, V., Gieles, M., Strader, J., Peuten, M., Balbinot, E., & Douglas, K. E. K. (2020), *Mon. Not. R. Astron. Soc.*, 491, 113.
116. *Modelling the effects of dark matter substructure on globular cluster evolution with the tidal approximation* Webb, J. J., Bovy, J., Carlberg, R. G., & Gieles, M. (2019), *Mon. Not. R. Astron. Soc.*, 488, 5748.
115. *Globular clusters as probes of dark matter cusp-core transformations* Orkney, M. D. A., Read, J. I., Petts, J. A., & Gieles, M. (2019), *Mon. Not. R. Astron. Soc.*, 488, 2977.
114. *Spherical models of star clusters with potential escapers* Claydon, I., Gieles, M., Varri, A. L., Heggie, D. C., & Zocchi, A. (2019), *Mon. Not. R. Astron. Soc.*, 487, 147.
113. *Black hole growth through hierarchical black hole mergers in dense star clusters: implications for gravitational wave detections* Antonini, F., Gieles, M., & Gualandris, A. (2019), *Mon. Not. R. Astron. Soc.*, 486, 5008.
112. *Globular cluster number density profiles using Gaia DR2* de Boer, T. J. L., Gieles, M., Balbinot, E., Hénault-Brunet, V., Sollima, A., Watkins, L. L., & Claydon, I. (2019), *Mon. Not. R. Astron. Soc.*, 485, 4906.
111. *The VLT-FLAMES Tarantula Survey. XXXI. Radial velocities and multiplicity constraints of red supergiant stars in 30 Doradus* Patrick, L. R., Lennon, D. J., Britavskiy, N., Evans, C. J., Sana, H., Taylor, W. D., Herrero, A., Almeida, L. A., Clark, J. S., Gieles, M., et al. (2019), *Astron. Astrophys.*, 624, A129.

110. *Linking the rotation of a cluster to the spins of its stars: the kinematics of NGC 6791 and NGC 6819 in 3D* Kamann, S., Bastian, N. J., **Gieles, M.**, Balbinot, E., & Hénault-Brunet, V. (2019), Mon. Not. R. Astron. Soc., 483, 2197.
109. *Mass modelling globular clusters in the Gaia era: a method comparison using mock data from an N-body simulation of M 4* Hénault-Brunet, V., **Gieles, M.**, Sollima, A., Watkins, L. L., Zocchi, A., Claydon, I., Pancino, E., & Baumgardt, H. (2019), Mon. Not. R. Astron. Soc., 483, 1400.
108. *The effect of stellar-mass black holes on the central kinematics of  $\omega$  Cen: a cautionary tale for IMBH interpretations* Zocchi, A., **Gieles, M.**, & Hénault-Brunet, V. (2019), Mon. Not. R. Astron. Soc., 482, 4713.
107. *Extending the globular cluster system-halo mass relation to the lowest galaxy masses* Forbes, D. A., Read, J. I., **Gieles, M.**, & Collins, M. L. M. (2018), Mon. Not. R. Astron. Soc., 481, 5592.
106. *From Giant H II regions and H II galaxies to globular clusters and compact dwarf ellipticals* Terlevich, E., Fernández-Arenas, D., Terlevich, R., **Gieles, M.**, Chávez, R., & González-Morán, A. L. (2018), Mon. Not. R. Astron. Soc., 481, 268.
105. *The VLT-FLAMES Tarantula Survey. XXIX. Massive star formation in the local 30 Doradus starburst* Schneider, F. R. N., Ramírez-Agudelo, O. H., Tramper, F., Bestenlehner, J. M., Castro, N., Sana, H., Evans, C. J., Sabín-Sanjulián, C., Simón-Díaz, S., Langer, N., et al. (2018), Astron. Astrophys., 618, A73.
104. *Concurrent formation of supermassive stars and globular clusters: implications for early self-enrichment* **Gieles, M.**, Charbonnel, C., Krause, M. G. H., Hénault-Brunet, V., Agertz, O., Lamers, H. J. G. L. M., Bastian, N., Gualandris, A., Zocchi, A., & Petts, J. A. (2018), Mon. Not. R. Astron. Soc., 478, 2461.
103. *Response to Comment on “An excess of massive stars in the local 30 Doradus starburst”* Schneider, F. R. N., Sana, H., Evans, C. J., Bestenlehner, J. M., Castro, N., Fossati, L., Gräfener, G., Langer, N., Ramírez-Agudelo, O. H., Sabín-Sanjulián, C., et al. (2018), Science, 361, aat7032.
102. *Probing dark matter with star clusters: a dark matter core in the ultra-faint dwarf Eridanus II* Contenta, F., Balbinot, E., Petts, J. A., Read, J. I., **Gieles, M.**, Collins, M. L. M., Peñarrubia, J., Delorme, M., & Gualandris, A. (2018), Mon. Not. R. Astron. Soc., 476, 3124.
101. *Erratum: A family of lowered isothermal models* **Gieles, M.**, & Zocchi, A. (2018), Mon. Not. R. Astron. Soc., 474, 3997.
100. *A clustered origin for isolated massive stars* Lucas, W. E., Rybak, M., Bonnell, I. A., & **Gieles, M.** (2018), Mon. Not. R. Astron. Soc., 474, 3582.
99. *Globular cluster formation and evolution in the context of cosmological galaxy assembly: open questions* Forbes, D. A., Bastian, N., **Gieles, M.**, Crain, R. A., Kruijssen, J. M. D., Larsen, S. S., Ploechinger, S., Agertz, O., Trenti, M., Ferguson, A. M. N., Pfeffer, J., & Gnedin, O. Y. (2018), Proceedings of the Royal Society of London Series A, 474, 20170616.
98. *The devil is in the tails: the role of globular cluster mass evolution on stream properties* Balbinot, E., & **Gieles, M.** (2018), Mon. Not. R. Astron. Soc., 474, 2479.
97. *New insights into the origin and evolution of the old, metal-rich open cluster NGC 6791* Martínez-Medina, L. A., **Gieles, M.**, Pichardo, B., & Peimbert, A. (2018), Mon. Not. R. Astron. Soc., 474, 32.
96. *Mass models of NGC 6624 without an intermediate-mass black hole* **Gieles, M.**, Balbinot, E., Yaaqib, R. I. S. M., Hénault-Brunet, V., Zocchi, A., Peuten, M., & Jonker, P. G. (2018), Mon. Not. R. Astron. Soc., 473, 4832.
95. *An excess of massive stars in the local 30 Doradus starburst* Schneider, F. R. N., Sana, H., Evans, C. J., Bestenlehner, J. M., Castro, N., Fossati, L., Gräfener, G., Langer, N., Ramírez-Agudelo, O. H., Sabín-Sanjulián, C., et al. (2018), Science, 359, 69.
94. *Testing lowered isothermal models with direct N-body simulations of globular clusters - II. Multimass models* Peuten, M., Zocchi, A., **Gieles, M.**, & Hénault-Brunet, V. (2017), Mon. Not. R. Astron. Soc., 470, 2736.
93. *Radial anisotropy in  $\omega$  Cen limiting the room for an intermediate-mass black hole* Zocchi, A., **Gieles, M.**, & Hénault-Brunet, V. (2017), Mon. Not. R. Astron. Soc., 468, 4429.

92. *The properties of energetically unbound stars in stellar clusters* Claydon, I., **Gieles, M.**, & Zocchi, A. (2017), Mon. Not. R. Astron. Soc., 466, 3937.
91. *The contribution of dissolving star clusters to the population of ultra faint objects in the outer halo of the Milky Way* Contenta, F., **Gieles, M.**, Balbinot, E., & Collins, M. L. M. (2017), Mon. Not. R. Astron. Soc., 466, 1741.
90. *The origin of the Milky Way globular clusters* Renaud, F., Agertz, O., & **Gieles, M.** (2017), Mon. Not. R. Astron. Soc., 465, 3622.
89. *The Tarantula Massive Binary Monitoring. I. Observational campaign and OB-type spectroscopic binaries* Almeida, L. A., Sana, H., Taylor, W., Barbá, R., Bonanos, A. Z., Crowther, P., Daminieli, A., de Koter, A., de Mink, S. E., Evans, C. J., et al. (2017), Astron. Astrophys., 598, A84.
88. *If it does not kill them, it makes them stronger: collisional evolution of star clusters with tidal shocks* **Gieles, M.**, & Renaud, F. (2016), Mon. Not. R. Astron. Soc., 463, L103.
87. *A stellar-mass black hole population in the globular cluster NGC 6101?* Peuten, M., Zocchi, A., **Gieles, M.**, Gualandris, A., & Hénault-Brunet, V. (2016), Mon. Not. R. Astron. Soc., 462, 2333.
86. *Testing lowered isothermal models with direct N-body simulations of globular clusters* Zocchi, A., **Gieles, M.**, Hénault-Brunet, V., & Varri, A. L. (2016), Mon. Not. R. Astron. Soc., 462, 696.
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