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**Star formation history written in spectra**

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# Publications

## First-author articles

1. **Ellerbroek, L. E.**, Benisty, M., le Bouquin, J. B., Kluska, J., Domiciano de Souza, A., Borges Fernandes, M., Maaskant, K. M., Kaper, L., Tramper, F., Sitko, M. L., Lynch, D. K., and Russell, R. W. To be submitted to A&A (**Chapter 7**).  
*A resolved, AU-scale gas disk around the B[e] star HD 50138*
2. **Ellerbroek, L. E.**, Podio, L., Dougados, C., Cabrit, S., Sitko, M. L., Sana, H., Kaper, L., de Koter, A., Klaassen, P. D., Mulders, G. D., Mendigutía, I., Grady, C. A., Grankin, K., van Winckel, H., Bacciotti, F., Russell, R. W., Lynch, D. K., Hammel, H. B., Beerman, , Day, A. N., Huelsman, D. M., Werren, C., Henden, A., and Grindlay, J., 2014. A&A, in press (**Chapter 5**).  
*Relating jet structure to photometric variability: the Herbig Ae star HD 163296*
3. **Ellerbroek, L. E.**, Bik, A., Kaper, L., Maaskant, K. M., Paalvast, M., Tramper, F., Sana, H., Waters, L. B. F. M., and Balog, Z. 2013. A&A, 558, A102 (**Chapter 2**).  
*RCW36: characterizing the outcome of massive star formation*
4. **Ellerbroek, L. E.**, Podio, L., Kaper, L., Sana, H., Huppenkothen, D., de Koter, A., and Monaco, L., 2013. A&A, 551, A5 (**Chapter 4**).  
*The outflow history of two Herbig-Haro jets in RCW 36: HH 1042 and HH 1043*
5. **Ellerbroek, L. E.**, Kaper, L., Bik, A., de Koter, A., Horrobin, M., Puga, E., Sana, H., and Waters, L. B. F. M., 2011. ApJ, 732, L9 (**Chapter 3**).  
*The Intermediate-mass Young Stellar Object 08576nr292: discovery of a disk-jet system*

## Co-authored articles

1. Kalari, V. M., Vink, J. S., Dufton, P. L., Evans, C. J., Dunstall, P. R., Sana, H., Clark, J. S., **Ellerbroek, L. E.**, de Koter, A., Lennon, D. J., Taylor, W. D., 2014. A&A, in press. *The VLT-FLAMES Tarantula Survey. XV. VFTS 822: a candidate Herbig B[e] star at low metallicity*

2. Schulze, S., Malesani, D., Cucchiara, A., Tanvir, N. R., Kršhler, T., de Ugarte Postigo, A., Leloudas, G., Lyman, J., Bersier, D., Wiersema, K., Perley, D. A., Schady, P., Gorosabel, J., Anderson, J. P., Castro-Tirado, A. J., Cenko, S. B., De Cia, A., **Ellerbroek, L. E.**, et al., 2014. *A&A*, in press. *GRB 120422A/SN 2012bz: Bridging the gap between low- And high-Luminosity GRBs*
3. Tramper, F., GrLfener, G., Hartoog, O. E., Sana, H., de Koter, A., Vink, J. S., **Ellerbroek, L. E.**, Langer, N., Garcia, M., Kaper, L., and de Mink, S. E., 2013. *A&A*, 559, A72.  
*On the nature of WO stars: a quantitative analysis of the WO3 star DR1 in IC 1613*
4. Bouvier, J., Grankin, K., **Ellerbroek, L. E.**, Bouy, H., and Barrado, D., 2013. *A&A*, 557, A77.  
*AA Tauri's sudden and long-lasting deepening: enhanced extinction by its circumstellar disk*
5. Sana, H., van Boeckel, T., Tramper, F., **Ellerbroek, L. E.**, de Koter, A., Kaper, L., Moffat, A. F. J., Schnurr, O., Schneider, F. R. N., and Gies, D. R., 2013. *MNRAS*, 432, L26.  
*R144 revealed as a double-lined spectroscopic binary*
6. Kaur, R., Kaper, L., **Ellerbroek, L. E.**, Russell, D. M., Altamirano, D., Wijnands, R., Yang, Y.-J., D'Avanzo, P., de Ugarte Postigo, A., Flores, H., Fynbo, J. P. U., Goldoni, P., Thöne, C. C., van der Horst, A., van der Klis, M., Kouveliotou, C., Wiersema, K., and Kuulkers, E., 2012. *ApJ*, 746, L23.  
*VLT/X-shooter spectroscopy of the candidate black hole X-ray binary MAXI J1659-152 in outburst*
7. Ochsendorf, B. B., **Ellerbroek, L. E.**, Chini, R., Hartoog, O. E., Hoffmeister, V., Waters, L. B. F. M., and Kaper, L., 2011. *A&A*, 536, L1 (**Chapter 6**).  
*First firm spectral classification of an early-B pre-main-sequence star: B275 in M17*

## Astronomers telegrams

1. Groot, P., Kaper, L., **Ellerbroek, L. E.**, Malesani, D., Jakobsson, P., Fynbo, J. P. U., Hjorth, J., Watson, D. J., and Mason, E., 2010. *GRB Coordinates Network*, 10441, 1.  
*GRB 100219A: VLT/X-shooter redshift*

## Conference proceedings

1. Kaper, L., **Ellerbroek, L. E.**, Ochsendorf, B. B., and Bik, A., 2012. In *Astronomical Society of the Pacific Conference Series*, Vol. 465, *Proceedings of a Scientific Meeting in Honor of Anthony F. J. Moffat*, ed. L. Drissen, C. Rubert, N. St-Louis, and A. F. J. Moffat, 446.  
*On the formation of massive stars*

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2. **Ellerbroek, L. E.**, Kaper, L., Bik, A., Maaskant, K. M., and Podio, L, 2012. In *Astronomical Society of the Pacific Conference Series*, Vol. 464, *Circumstellar Dynamics at High Resolution*, ed. A. C. Carciofi and T. Rivinius, 351.  
*The star formation history of RCW 36*
  3. Kaper, L., **Ellerbroek, L. E.**, Ochsendorf, B. B., and Caballero Pouroutidou, R. N., 2011. *Astronomische Nachrichten*, 332, 232.  
*Studying the formation of massive stars with VLT/X-shooter*