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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*