

# Johannes Zabl — Publication list

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## Refereed (including submitted papers that are posted on arXiv).....

- I. Schroetter, N. F. Bouché, **J. Zabl**, and 5 others, "MusE GAs FLOw and Wind (MEGAFLOW) XI. Scaling relations between outflows and host galaxy properties," *arXiv e-prints*, p. arXiv:2404.03300, Apr. 2024.
- L. Mowla, K. Iyer, Y. Asada, 18 others, and **J. Zabl**, "The Firefly Sparkle: The Earliest Stages of the Assembly of A Milky Way-type Galaxy in a 600 Myr Old Universe," *arXiv e-prints*, p. arXiv:2402.08696, Feb. 2024.
- M. Cherrey, N. F. Bouché, **J. Zabl**, and 8 others, "MusE GAs FLOw and Wind (MEGAFLOW) X. The cool gas and covering fraction of Mg II in galaxy groups," *MNRAS*, vol. 528, pp. 481–498, Feb. 2024.
- G. T. Sarrouh, A. Muzzin, K. G. Iyer, 12 others, and **J. Zabl**, "Exposing Line Emission: A First Look At The Systematic Differences of Measuring Stellar Masses With JWST NIRCam Medium Versus Wide Band Photometry," *arXiv e-prints*, p. arXiv:2401.08781, Jan. 2024.
- Y. Asada, M. Sawicki, G. Desprez, 13 others, and **J. Zabl**, "JWST catches the assembly of a  $z \sim 5$  ultra-low-mass galaxy," *MNRAS*, vol. 523, pp. L40–L45, July 2023.
- I. Langan, **J. Zabl**, N. F. Bouché, and 12 others, "MusE GAs FLOw and Wind (MEGAFLOW) IX. The impact of gas flows on the relations between the mass, star formation rate, and metallicity of galaxies," *MNRAS*, vol. 521, pp. 546–557, May 2023.
- M. Akhshik, K. E. Whitaker, J. Leja, 16 others, and **J. Zabl**, "REQUIEM-2D: A Diversity of Formation Pathways in a Sample of Spatially Resolved Massive Quiescent Galaxies at  $z \gtrsim 2$ ," *ApJ*, vol. 943, p. 179, Feb. 2023.
- L. Mowla, K. G. Iyer, G. Desprez, 15 others, and **J. Zabl**, "The Sparkler: Evolved High-redshift Globular Cluster Candidates Captured by JWST," *ApJ*, vol. 937, p. L35, Oct. 2022.
- F. Leclercq, A. Verhamme, B. Epinat, 6 others, **J. Zabl**, and 14 others, "The MUSE eXtremely deep field: first panoramic view of an Mg II emitting intragroup medium," *A&A*, vol. 663, p. A11, July 2022.
- C. J. Willott, R. Doyon, L. Albert, G. B. Brammer, 24 others, and **J. Zabl**, "The Near-infrared Imager and Slitless Spectrograph for the James Webb Space Telescope. II. Wide Field Slitless Spectroscopy," *PASP*, vol. 134, p. 025002, Feb. 2022.
- S. Muzahid, J. Schaye, S. Cantalupo, 6 others, and **J. Zabl**, "MUSEQuBES: characterizing the circumgalactic medium of redshift  $\approx 3.3$  Ly  $\alpha$  emitters," *MNRAS*, vol. 508, pp. 5612–5637, Dec. 2021.
- **J. Zabl**, N. F. Bouché, L. Wisotzki, and 11 others, "MusE GAs FLOw and Wind (MEGAFLOW) VIII. Discovery of a MgII emission halo probed by a quasar sightline," *MNRAS*, vol. 507, pp. 4294–4315, Nov. 2021.
- I. Schroetter, N. F. Bouché, **J. Zabl**, and 7 others, "MusE GAs FLOw and Wind (MEGAFLOW) VI. A study of C IV and Mg II absorbing gas surrounding [O II] emitting galaxies," *MNRAS*, vol. 506, pp. 1355–1363, Sept. 2021.
- A. W. S. Man, **J. Zabl**, G. B. Brammer, and 6 others, "An Exquisitely Deep View of Quenching Galaxies through the Gravitational Lens: Stellar Population, Morphology, and Ionized Gas," *ApJ*, vol. 919, p. 20, Sept. 2021.

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- R. Bacon, D. Mary, T. Garel, 27 others, **J. Zabl**, and 1 other, “The MUSE Extremely Deep Field: The cosmic web in emission at high redshift,” *A&A*, vol. 647, p. A107, Mar. 2021.
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- B. Milvang-Jensen, W. Freudling, **J. Zabl**, and 9 others, “On-sky characterisation of the VISTA NB118 narrow-band filters at  $1.19 \mu\text{m}$ ,” *A&A*, vol. 560, p. A94, Dec. 2013.
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#### [Press releases for papers with major contribution](#)

- for: Zabl et al. 2021
  - <https://www.cnrs.fr/en/press/part-universes-missing-matter-found-thanks-muse-instrument>
- for: Toft S, Zabl J, et al. 2017
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- for: Ebeling H, Stockmann M, Richard J, Zabl J, et al. 2018
  - <http://www.ifa.hawaii.edu/info/press-releases/eMACSJ1341/>

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