

PUBLICATIONS Refereed papers in primary journals

- Kaltenegger, L., Fridlund, M., Characterization of Exoplanets with Small Telescopes in Space, in prep
- Kaltenegger, L., "Characterizing exoplanets from the ground with large telescopes", Earth Moon and Planets journal, submitted
- Kaltenegger L., Sasselov D., Detecting Planetary Geochemical Cycles on Exoplanets: Atmospheric Signatures and the Case of SO₂, ApJ submitted
- Kaltenegger L., Selsis F., et al., Characterization of Terrestrial Exoplanets and Detection of Biomarkers, Astrobiology in press
- Kaltenegger L., Eiroa C., Ribas I., et al. Stellar Aspects of Habitability: Characterizing Target Stars for Terrestrial Planet Finding Missions, Astrobiology in press
- Kaltenegger, L & Traub, W., Transits of Earth-Like Planets, ApJ in press
- Kaltenegger L., Selsis F., Characterizing Habitable Extrasolar Planets using Spectral Fingerprints, CRAS, in press
- Kaltenegger, L., Eiroa, C., Fridlund, M., A Catalogue of Habitable Stars, The Darwin Target star catalogue, A&SS, in press
- Kaltenegger, L, Jucks, K., Traub, W., Spectral Evolution of an Earth-like Planet, ApJ 658, 598, 2007
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The research done at the ESA as part of my PhD was proprietary knowledge because of European industry, therefore only very limited publication was possible (several internal ESA publications, main author: e.g. Design assessment report of interferometer configurations, science case for exoplanets)

CO-AUTHOR

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- Lammer, H., Bredehöft, J. H., Coustenis, A., Khodachenko, M. L., **Kaltenegger**, L., et al., What makes a planet habitable?, The Astronomy and Astrophysics Review, in press
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- Fridlund M., White G. J., **Kaltenegger L.** et al. A Roadmap for The Detection and Characterization of Terrestrial Exoplanets, et al. Astrobiology in press
- Grenfell J.L., Rauer H., Selsis F., **Kaltenegger L.**, et al., Co-Evolution of Atmospheres, Life, and Climate, Astrobiology in press

- Dvorak R., Pilat-Lohninger E., Bois E., Freistetter F., Funk B., Eiroa C., Henning T., Herbst T., **Kaltenegger L.**, et al. Habitability and Orbital Dynamics Astrobiology in press
- Brack A., Horneck G., Cockell C. S., Bércecs A., Belisheva N. K., Eiroa C., Henning T., Herbst T., **Kaltenegger L.**, et al. Origin and Evolution of Life on Habitable Planets, Astrobiology in press
- Alibert L Y., Brög C., Benz W., Wuchterl G., Grasset O., Morbidelli A., Sotin C., Eiroa C., Henning T. , Herbst T., **Kaltenegger L.**, et al. Origin and Formation of Planetary Systems, Astrobiology in press
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- Scalo, J., **Kaltenegger**, L., Segura, A. et al., M stars as targets for terrestrial exoplanet searches and biosignature detection, *Astrobiology*, Volume 7, Issue 1, pp. 85-166, 2007
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- Kaltenegger, L., Fridlund, M, Characteristics of proposed 3 and 4 telescope configurations for Darwin and TPF-I, *Direct Imaging of Exoplanets: Science & Techniques. Proceedings of the IAU Colloquium #200*, Edt C. Aime and F. Vakili, UK: Cambridge Univ. Press, 2006., pp.255-258
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Karlsson, A., **Kaltenegger**, L., The technology of Darwin, ESA SP-539, 2003, p. 41 - 46

BOOK CHAPTERS, WHITE PAPERS & PUBLIC ARTICLES

Kaltenegger, L. & Selsis, F., Biomarkers set in context, in Extrasolar Planets, Wiley-VCH, eds Dvorak, Textbook Physics, 2007;

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