

LIST OF PUBLICATIONS

Lauri Jetsu

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The texts denoted with **blue** are connected to a web-site, where the refereed articles can be uploaded.

REFEREED ARTICLES

50. **Jetsu, L., 2023** “to be submitted”
49. **Jetsu, L., 2022**, “**About ten stars orbit eclipsing binary XZ And**”, *JAAVSO*, submitted
48. Lehtinen, J.J., Hackman, T., Kochukhov, O. Willamo, T. Marsden, S.C., **Jetsu, L., 2022**, “**Topological changes in the magnetic field of LQ Hya during an activity minimum**” *Astronomy & Astrophysics*, **660**, A141, 1-12
47. **Jetsu, L., 2021**, “**Say hello to Algol’s new companion candidates**” *The Astrophysical Journal*, **920**, A137, 1-35
46. **Jetsu, L., 2020**, “**Discrete Chi-square Method for Detecting Many Signals**” *Open Journal of Astrophysics*, **3:1**, 1-20
45. **Jetsu, L., 2019**, “**Real light curves of FK Comae Berenices: Farewell flip-flop**”, *MNRAS*, submitted
44. Willamo, T., Hackman, T., Lehtinen, J. J., Käpylä, M. J., Ilyin, I., Henry, G. W., **Jetsu, L.**, Kochukhov, O. and Piskunov, N. **2019**, “**Long-term spot monitoring of the young solar analogue V889 Herculis**”. *Astronomy & Astrophysics*, **622**, A170, 1-10
43. Porceddu, S., **Jetsu, L.**, Markkanen, J., Lyytinen, J., Kajatkari, P., Lehtinen, J. and Toivari-Viitala, J., **2018**, “**Algol as Horus in the Cairo Calendar: the possible means and the motives of the observations**”, *Open Astronomy*, **28**, 232-263
42. Siltala, L., **Jetsu, L.**, Hackman, T., Henry, G.W., Immonen, L., Kajatkari, P., Lankinen, J., Lehtinen, J., Monira, S., Nikbakhsh, S., Viitanen, A., Viuhon, J. and Willamo, T. **2017**, “**Time series analysis of the long-term photometry of BM Canum Venaticorum**”, *Astronomische Nachrichten*, **338**, 453-463
41. **Jetsu, L.**, Henry, G.W., and Lehtinen, J. **2017**, “**General Model for Light curves of Chromospherically Active Binary Stars**”, *The Astrophysical Journal*, **838**, A122, 1-20
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39. **Jetsu, L.**, and Porceddu, S. **2015**, “**Shifting Milestones of Natural Sciences: The Ancient Egyptian discovery of Algol’s Period Confirmed**”, *PLOS ONE*, **10(12)**: e0144140
38. Kajatkari, P., **Jetsu, L.**, Cole, E., Joutsiniemi, S-L., Lehtinen, J., Mäkelä, V., Porceddu, S., Ryyänen, K. Solea, V., Hackman T., and Henry, G.W. **2015**, “**Periodicity in some light curves of solar analogue V362 CMa**”, *Astronomy & Astrophysics*, **577**, A84, 1-5
37. Kajatkari, P., Hackman, T., **Jetsu, L.**, Lehtinen, J., and Henry, G.W. **2014**, “**Spot activity of the RS CVn star σ Geminorum**”, *Astronomy & Astrophysics*, **562**, A107, 1-10
36. Lindborg, M., Mantere, M.J., Olsper, N., Pelt, J., Hackman, T., Henry, G.W., **Jetsu, L.**, and Strassmeier, K.G. **2013**, “**Multiperiodicity, modulations and flip - flops in variable star light curves: II. Analysis of II Peg photometry during 19792010**”, *Astronomy & Astrophysics*, **559**, A97, 1-10
35. **Jetsu, L.**, Porceddu, S., Lyytinen, J., Kajatkari, P. Lehtinen, J., Markkanen, T., and Toivari-Viitala, J. **2013**, “**Did the Ancient Egyptians Record the Period of the Eclipsing Binary Algol – The Raging One?**”, *The Astrophysical Journal*, **773**, A1, 1-14
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33. Lehtinen, J., **Jetsu, L.**, Hackman, T., Kajatkari, P., and Henry, G.W. **2012**, “**Spot activity of LQ Hya from photometry between 1988 and 2011**”, *Astronomy & Astrophysics*, **542**, A38, 1-8.
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31. **Jetsu, L., 2011**, “**Some studies of terrestrial impact cratering rate**”, *Baltic Astronomy*, **20**, 289-296.

30. Lehtinen, J., **Jetsu, L.**, Hackman, T., Kajatkari, P., and Henry, G.W. **2011**, “**The continuous periods search method and its application to the young solar analogue HD 116956**”, *Astronomy & Astrophysics*, **527**, A136, 1-14.
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26. Hackman, T., **Jetsu, L.**, and Tuominen, I. **2001**, “**Surface imaging of HD 199178 (V1794 Cygni)**”, *Astronomy & Astrophysics*, **374**, 171-181.
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23. **Jetsu, L.**, and Pelt, J. **1999**, “**Three stage period analysis and complementary methods**”, *Astronomy & Astrophysics, Supplement Series*, **139**, 629-643.
22. **Jetsu, L.**, Tuominen, I., Bopp, B.W., Ezhkova, O.V., Grankin, K.N., Hackman, T., Heckert, P.A., Ibragimov, M.A., Kondratiev, V.B., Mel'nikov, S.Yu., Oja, T., Nations, H.L., and Shevchenko, V.S. **1999**, “**Photometry of V 1794 Cygni between 1975 and 1995**”, *Astronomy & Astrophysics, Supplement Series*, **139**, 513-524.
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17. **Jetsu, L.**, Pohjolainen, S., Pelt, J., and Tuominen, I. **1997**, “**Is the longitudinal distribution of solar flares non-uniform?**” *Astronomy & Astrophysics*, **318**, 293-307.
16. **Jetsu, L.**, **1996**, “**The active longitudes of λ Andromedae, σ Geminorum, II Pegasi and V 711 Tauri**”, *Astronomy & Astrophysics*, **314**, 153-164.
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10. **Jetsu, L.**, **1993**, “**A decade of photometry of LQ Hydrae**”, *Astronomy & Astrophysics*, **276**, 345-352.
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MONOGRAPHS

2. **Jetsu, L.**, and Palviainen, A. **2005**, Research seminar: “Exoplanets and astrobiology” University of Helsinki, Observatory Report, **3/2005**
1. **Jetsu, L.**, **1994**, PhD Thesis: “Time dependent phenomena in the photometry of starspots”, University of Helsinki, Observatory Report, **1/1994**

NON-REFEREED ARTICLES

12. Lehtinen, J., **Jetsu, L.**, Hackman, T., and Henry, G.W., **2016**, “Rotation And Spot Activity Of Young Solar-Type Stars From Long-Term Photometric Monitoring”, *The 19th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun (CS19)*, Uppsala, Sweden
11. **Jetsu, L.**, Porceddu, S., Lyytinen, J., Kajatkari, P., Lehtinen, J., Markkanen, T., and Toivari-Viitala, J. **2014**, “Did the ancient egyptians discover Algol?”, In *Setting a New Standard in the Analysis of Binary Stars, European Astronomical Society Publication Series*, **64**, 403 – 404.
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