

Full Publication List^{1,2,3}

Amir Hasanzadeh

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Research and Publications

- 1. Period changes and light curve analysis of eclipsing binary AB Andromedae**
Hasanzadeh, A., Jassur, D. M. Z., Kermani, M. H., *Astrophysics and Space Science*, 317, 71 (2008)
- 2. Study of Danjon limit in moon crescent sighting**
Hasanzadeh, A., *Astrophysics and Space Science*, 339, 211 (2012)
- 3. Photometry, period variations and light curve analysis of eclipsing binary V1191 Cyg**
Ostadnezhad, S., Delband, M., Hasanzadeh, A., *New Astronomy*, 31, 14 (2014)
- 4. New light curve analysis and period changes of the overcontact binary EQ Tauri**
Hasanzadeh, A., Farsian, F., Nemati, M., *New Astronomy*, 34, 262 (2015)
- 5. The first light curve analysis of eclipsing binary NR Cam**
Tavakkoli, F., Hasanzadeh, A., Poro, A., *New Astronomy*, 37, 64 (2015)
- 6. Photometry and the determination of oscillation modes for high amplitude Delta Scuti variable GSC 1566-2802**
Salmanzadeh, E., Zandian, S., Hasanzadeh, A., Zahabi, S., *New Astronomy*, 37, 76 (2015)
- 7. Light curve analysis of three W Ursae Majoris-type binaries: V0449 Peg, EP And, and EK Com**
Tavakkoli, F., Haghi, A., Hosseini, S. M., Abdollahi, M., Hasanzadeh, A., *New Astronomy*, 56, 14 (2017)
- 8. A time series analysis of light curve of R Scuti star from 1970 to 2017**
Kalaei, M. J., Hasanzadeh, A., *New Astronomy*, 70, 57 (2019)
- 9. Relations between the asteroseismic indices and stellar parameters of δ -Scuti stars for two years of TESS Mission**
Hasanzadeh, A., Safari, H., Ghasemi, H., *Monthly Notices of the Royal Astronomical Society*, 505, 1, 1476 (2021)
- 10. Asteroseismology of a Double-mode High-amplitude δ Scuti Star TIC 448892817**
Lv, C., Esamdin, A., Pascual-Granado, Hernández, Hasanzadeh, A., *The Astronomical Journal*, 164 (5), 218 (2022)
- 11. TESS Observations of Seven Newly Identified High-amplitude δ Scuti Stars**
Lv, C., Esamdin, A., Hasanzadeh, A., Ma, S., Yang, T., Karimov, R., *The Astrophysical Journal*, 959 (1), 33 (2023)
- 12. Statistical analysis of asteroseismic indices and stellar parameters of TESS observed Delta-Sct stars**
Lv, C., Esamdin, A., Hasanzadeh, A., Ghazinejad, M., Pascual-Granado, J., Mirouh, G. M., Karimov, R., *Astronomy & Astrophysics*, 686, A174 (2024)
- 13. Effects of partial reflectivity of the photosphere on the p-mode frequency stability**, 2024 (Manuscript in preparation)
- 14. Helioseismic Quasi-Biennial Oscillation in Latitude Bands**, 2024 (Manuscript in preparation)
- 15. Asymmetric variations of solar magnetic field with synoptic maps**, 2024 (Manuscript in preparation)

Collaborations

- 16. A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS**
Huber, D., Chaplin, W. J., et al., *The Astronomical Journal*, 157, 245 (2019)

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² <https://scholar.google.com/citations?hl=en&user=AuM0ecsAAAAJ>

³ <https://www.researchgate.net/profile/Amir-Hasanzadeh-3>

17. **Rotation and pulsation in Ap stars: first light results from TESS sectors 1 and 2**
Cunha, M. S., Antoci, V, et al., *Monthly Notices of the Royal Astronomical Society*, 487, 3523 (2019)
18. **The first view of δ Scuti and γ Doradus stars with the TESS mission**
Antoci, V.; Cunha, M. S, et al., *Monthly Notices of the Royal Astronomical Society*, 490, 4040 (2019)
19. **Age dating of an early Milky Way merger via asteroseismology of the naked-eye star ν Indi**
Chaplin, W. J.; Serenelli, A. M., et al., *Nature Astronomy*, 4 (4), 382 (2020)
20. **TESS Observations of Cepheid Stars: First Light Results**
Plachy, E., Pál, A., et al., *The Astrophysical Journal Supplement Series*, 253, 1, 11 (2021)
21. **First results on RR Lyrae stars with the TESS space telescope**
László M., Attila B., et al., *The Astrophysical Journal Supplement Series*, 258, 8 (2022)
22. **TESS Cycle 2 observations of roAp stars with 2-min cadence data**
Holdsworth, D. L., Cunha, M.S., et al., *Monthly Notices of the Royal Astronomical Society*, 527(4), 9548 (2024)

Books

23. **Astronomical Almanac** (in persian)
Hemmati, D., Hasanzadeh, A., Khoshbinfar, S., First Edition (2006)
24. **New moon: Scientific Principles of Lunar Crescent Sighting** (in persian)
Hasanzadeh, A., Ahmadi, M., Shabani, Y., Second Edition, Astan-e Qods Pub., Mashhad, Iran (2010)
25. **Meteor showers** (in persian),
Hasanzadeh, A., First Edition, Iranshenasi Pub. , Tehran, Iran (2011)
26. **Variable stars: observation to analyse** (in persian)
Hasanzadeh, A., et. al., Danesh pazhohan Pub., Tehran, Iran (2015)

Proceeding papers

27. **Analysis of perseid meteor shower in 1999**
Hasanzadeh, A., Khoshbinfar, S., The first Iranian amateur astronomers meeting, Fars, Iran (2001)
28. **Analysis of visual data of perseid meteor showers**
Hasanzadeh, A., Khoshbinfar, S., Physics Conference, Zanjan, Iran (2002)
29. **Study of Period changes of eclipsing binary AB Andromedae**
Hasanzadeh, A., Jassur, D.M.Z, , 8th Iranian Astronomical Conference, 2004, Mashhad, Iran (2004)
30. **Apsidal motion in the eclipsing binaries CO Lac & Y Cyg as test for General relativity**
Hasanzadeh, A., Jassur, D.M.Z, 9th Iranian Astronomical Conference, Zanjan, Iran (2005)
31. **A new criterion for lunar crescent visibility**
Hasanzadeh, A., Shabani, Y., Ahmadifard, P., 9th Iranian Astronomical Conference, Zanjan, Iran (2005)
32. **Magnitude & Population Index Distribution of Perseid meteor shower 10 years ago**
Hasanzadeh, A., The second Iranian amateur astronomers meeting, 2006, Neyshabor, Iran (2006)
33. **Study of Danjon limit in moon crescent sighting**
Hasanzadeh, A., 3th lunar crescent sighting & calendars, University of Tehran, Iran (2007)
34. **Variation of the solar calendar length**
Hasanzadeh, A., Hasanpanah, M., 3th lunar crescent sighting & calendars, University of Tehran, Iran (2007)
35. **Introducing of Abu Jafar Khazen criterion for lunar crescent visibility**
Hasanzadeh, A., Rey Astronomical meeting, Rey, Iran (2009)
36. **Study and Comparing of Delta T variations in different research resources**
Hasanzadeh, A., Sayyad, M., Ebadi, M., 4th lunar crescent sighting & calendars, Tehran, Iran (2011)

- 37. Observations and period variations of eclipsing binary V1191 Cyg**
Ostadnezhad, S., Delband, M., Hasanzadeh, A., 17th Iranian Astronomical Conference, Zanjan, Iran (2011)
- 38. The light curves and period changes of the over contact binary EQ Tauri**
Hasanzadeh, A., Farsian, F., Nemati, M., 17th Iranian Astronomical Conference, Zanjan, Iran (2013)
- 39. Modifying of astronomical criteria for Fajr & Maghrib times**
Hasanzadeh, A., Movahednezhad, A., 5th lunar crescent sighting & calendars, Tehran, Iran (2013)
- 40. Photometry and the determination of oscillation modes for V2455 Cyg**
Ostadnezhad, S., Rokni, K., Hasanzadeh, A., 4th International Conference of Occultation & Eclipse, Iran (2013)
- 41. Observational aspects of crescent moon sighting**
Hasanzadeh, A., Shamakhi Astrophysical Observatory workshop, Azarbaijan Republic (2015)
- 42. Asteroseismic analysis and Rotationally Split modes of hybrid δ Scuti – γ Doradus pulsating stars**
Hasanzadeh, A., Ghasemi, H., Safari, H., 21th Iranian Astronomical Conference, Zanjan, Iran (2018)
- 43. Photometry and analysis of pulsating variable star V1644-Cyg**
Shakiba F., et al. 13th National Conference on Astronomy and Astrophysics of Iran (2020)
- 44. Investigation of the Blazhko effect in RR-Lyrae stars with TESS space mission data**
Ghazinejad, M. and Hasanzadeh, A., 25th Iranian Astronomical Conference, Zanjan, Iran (2023)
- 45. Identification of flares for TIC 150359500 star observed by TESS space telescope**
Abbasvand, S. et al. 26th Iranian Astronomical Conference, Zanjan, Iran (2024)