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Education Information

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Fen Fakültesi Bölümü, Turkey 2016 - 2022

Postgraduate, Istanbul University, Fen Bilimleri, Astronomi Ve Uzay Bilimleri, Turkey 2013 - 2016

Undergraduate, Istanbul University, Faculty Of Science, Astronomi Ve Uzay Bilimleri, Turkey 2009 - 2013

Dissertations

Doctorate, Güneş civarının kimyasal evriminin araştırılması, Istanbul University, Institute of Graduate Studies In Sciences, 2022

Postgraduate, Güneş Civarındaki F-G Tayf Türü Anakol Yıldızlarından Radyal Metal Bolluğu Gradyenti, Istanbul University, Institute of Graduate Studies In Sciences, Astronomi Ve Uzay Bilimleri, 2016

Research Areas

Physics, Astronomy and Astrophysics, Astronomy and Astrophysics: Instrumentation Techniques and Observations, Natural Sciences

Academic Titles / Tasks

Research Assistant PhD, Istanbul University, Faculty of Science, Astronomy and Space Sciences, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Multiwavelength Absolute Magnitudes and Colors of Red Clump Stars in the Gaia Era**
Plevne O., Taş O. O., Bilir S., Seabroke G. M.
ASTROPHYSICAL JOURNAL, vol.893, 2020 (SCI-Expanded)
- II. **Bridging the ultraviolet and optical regions: Transformation equations between GALEX and UBV photometric systems**
Bilir S., Alan N., Guctekin S. T., Celebi M., Yontan T., Plevne O., Ak S., Ak T., Karaali S.
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.37, 2020 (SCI-Expanded)
- III. **Vertical and radial metallicity gradients in high latitude galactic fields with SDSS**

Guctekin S. T., Bilir S., Karaali S., Plevne O., Ak S.

ADVANCES IN SPACE RESEARCH, vol.63, pp.1360-1373, 2019 (SCI-Expanded)

- IV. **Analysis of the disc components of our galaxy via kinematic and spectroscopic procedures**
Karaali S., Bilir S., Gokce E., Plevne O.
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.36, 2019 (SCI-Expanded)
- V. **Gould Belt members in X-ray RAVE: cross-matching RAVE stars with 3XMM point sources**
Coskunoglu B., Plevne O., Ozkan M. T.
ASTROPHYSICS AND SPACE SCIENCE, vol.364, no.1, 2019 (SCI-Expanded)
- VI. **Local stellar kinematics from RAVE data-VIII. Effects of the Galactic disc perturbations on stellar orbits of red clump stars**
Taş O., Bilir S., Plevne O.
ASTROPHYSICS AND SPACE SCIENCE, vol.363, 2018 (SCI-Expanded)
- VII. **Photometric calibration of the $[\alpha/\text{Fe}]$ element: II. Calibration with SDSS photometry**
Gokce E., Bilir S., Karaali S., Plevne O.
ASTROPHYSICS AND SPACE SCIENCE, vol.362, 2017 (SCI-Expanded)
- VIII. **Metallicity calibration and photometric parallax estimation: II. SDSS photometry**
Güçtekin S. T., Bilir S., Karaali S., Plevne O., Ak S., Ak T., Bostanci Z. F.
ASTROPHYSICS AND SPACE SCIENCE, vol.362, no.1, 2017 (SCI-Expanded)
- IX. **Local Stellar Kinematics from RAVE Data - VI. Metallicity Gradients Based on the F-G Main-Sequence Stars**
Plevne O., Ak T., Karaali S., Bilir S., Ak S., Bostanci Z. F.
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.32, 2015 (SCI-Expanded)

Articles Published in Other Journals

I. **Bir Samanyolu Tarifi**

Plevne O.

Turkish Journal of Astronomy and Astrophysics, vol.4, pp.225-236, 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Güneş Civarındaki Metalce Fakir Yıldızların SED Yöntemiyle Temel Astrofizik Parametrelerinin Tayini**
Dursun D. C., Bilir S., Şahin T., Yontan T., Plevne O.
22. Ulusal Astronomi Kongresi 11. Ulusal Astronomi Öğrenci Kongresi, İzmir, Turkey, 6 - 08 September 2022, vol.4, no.3, pp.97-101
- II. **Transformation Equations Between GALEX and UBV Photometric Systems**
Alan N., Bilir S., Tunçel Güçtekin S., Çelebi M., Yontan T., Plevne O., Ak S., Ak T., Karaali S.
Galaktik Astronomi Çalıştayı (Galactic Astronomy Workshop), İstanbul, Turkey, 12 - 13 September 2019, vol.1, pp.211-215
- III. **Galaktik Diskin Araştırılması**
Yaz Gökçe E., Bilir S., Karaali S., Plevne O.
Galaktik Astronomi Çalıştayı, İstanbul, Turkey, 12 - 13 September 2019, vol.1, pp.109-118
- IV. **Güneş Civarındaki F-G Tayf Türü Anakol Yıldızlarından Radyal Metal Bolluğu Gradyenti**
Plevne O., Ak T., Karaali S., Bilir S., Ak S., Bostancı Güver Z. F.
19. Ulusal Astronomi Kongresi, Ankara, Turkey, 2 - 06 February 2015, vol.1, no.1, pp.227-228
- V. **Transformation equations between GALEX and UBV photometric systems**
Alan N., Bilir S., Güçtekin S. T., Çelebi M., Yontan T., Plevne O., Ak S., Ak T., Karaali S.
Turkish Physical Society 35th International Physics Congress, TPS 2019, Konacik-Bodrum, Turkey, 4 - 08 September 2019, vol.2178

VI. Investigation of the Vertical Metallicity Gradients in the Milky Way

Guctekin S. T., Bilir S., Karaali S., Ak S., Plevne O.

34th International Physics Congress of the Turkish-Physical-Society (TPS), Konacik, Turkey, 5 - 09 September 2018, vol.2042

VII. What triggered the early planet formation processes in HL Tau?

Plevne O.

XMM-Newton: The Next Decade, Madrid, Spain, 9 - 11 May 2016, pp.111-112

Supported Projects

Plevne O., TUBITAK Project, Enceladus Cüce Galaksisinin Samanyolu'nun Kimyasal Evrimine Etkisinin Araştırılması, 2023 - 2025

Plevne O., Project Supported by Higher Education Institutions, Galaksi Diskinin Kimyasal Evriminin Araştırılması, 2023 - 2025

Şahin T., Yontan T., Plevne O., Bilir S., TUBITAK Project, Origin of Metal Poor Stars of Middle Spectral Type in the Solar Vicinity, 2021 - 2024

Plevne O., Coşkunoglu B., TUBITAK Project, Makine Öğrenmesi Kullanılarak Galaktik Disk Popülasyonları İçin Yeni Bir Ayırım Yönteminin Geliştirilmesi, 2022 - 2023

Metrics

Publication: 17

Citation (WoS): 37

Citation (Scopus): 29

H-Index (WoS): 4

H-Index (Scopus): 4

Scholarships

2211-C Öncelikli Alanlar Doktora Bursu, TUBITAK, 2016 - 2020