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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-6802-2019

ScopusID: 55931033600

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Education Information

Post Doctorate, Sabanci University, Faculty Of Engineering And Natural Sciences, Fizik Bölümü, Turkey 2019 - 2020

Post Doctorate, Institute Of High Energy Physics, Astrophysics Division, Science Team Of Insight-Hard X-Ray Modulation Telescope, China 2017 - 2019

Post Doctorate, Sabanci University, Faculty Of Engineering And Natural Sciences, Fizik Bölümü, Turkey 2016 - 2017

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği Anabilim Dalı, Turkey 2009 - 2016

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri Anabilim Dalı, Turkey 2006 - 2009

Undergraduate, Ege University, Faculty Of Science, Astronomi Ve Uzay Bilimleri Bölümü, Turkey 1999 - 2006

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, An observational study of accreting millisecond x-ray pulsars: from accretion to the rotation powered stages, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, 2016

Postgraduate, Küçük kütleli yıldızların fiziksel özellikleri, Ege University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri Anabilim Dalı, 2009

Research Areas

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

Academic Titles / Tasks

Assistant Professor, Istanbul University, Faculty of Science, Astronomy and Space Sciences, 2020 - Continues

Research Assistant, Istanbul Technical University, Fen-Edebiyat Fakültesi, Fizik Mühendisliği, 2013 - 2016

Courses

ELEKTROMAGNETİK TEORİ, Undergraduate, 2020 - 2021

ELEKTROMAGNETİK TEORİ, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Discovery of Delayed Spin-up Behavior Following Two Large Glitches in the Crab Pulsar, and the Statistics of Such Processes**
Ge M. Y., Zhang S. N., Lu F. J., Li T. P., Yuan J. P., Zheng X. P., Huang Y., Zheng S. J., Chen Y. P., Chang Z., et al.
ASTROPHYSICAL JOURNAL, vol.896, no.1, 2020 (SCI-Expanded)
- II. **The Evolution of the Broadband Temporal Features Observed in the Black-hole Transient MAXI J1820+070 with Insight-HXMT**
Wang Y., Ji L., Zhang S. N., Mendez M., Qu J. L., Maggi P., Ge M. Y., Qiao E., Tao L., Zhang S., et al.
ASTROPHYSICAL JOURNAL, vol.896, no.1, 2020 (SCI-Expanded)
- III. **Diagnostic of the spectral properties of Aquila X-1 by Insight-HXMT snapshots during the early propeller phase**
Gungor C., Ge M. Y., Zhang S., Santangelo A., Zhang S. N., Lu F. J., Zhang Y., Chen Y. P., Tao L., Yang Y. J., et al.
JOURNAL OF HIGH ENERGY ASTROPHYSICS, vol.25, pp.10-16, 2020 (SCI-Expanded)
- IV. **Overview to the Hard X-ray Modulation Telescope (Insight-HXMT) Satellite**
Zhang S., Li T., Lu F., Song L., Xu Y., Liu C., Chen Y., Cao X., Bu Q., Chang Z., et al.
SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, vol.63, no.4, 2020 (Journal Indexed in SCI)
- V. **Timing analysis of 2S 1417-624 observed with NICER and Insight-HXMT**
Ji L., Doroshenko V., Santangelo A., Gungor C., Zhang S., Ducci L., Zhang S., Ge M., Qu L. J., Chen Y. P., et al.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.491, no.2, pp.1851-1856, 2020 (SCI-Expanded)
- VI. **X-Ray Spectral Evolution of PSR J2032+4127 during the 2017 Periastron Passage**
PAL P. S., TAM P. H. T., CUI Y., LI K. L., Kong A. K. H., Gungor C.
ASTROPHYSICAL JOURNAL, vol.882, no.1, 2019 (Peer-Reviewed Journal)
- VII. **In-orbit Demonstration of X-Ray Pulsar Navigation with the Insight-HXMT Satellite**
Zheng S. J., Zhang S. N., Lu F. J., Wang W. B., Gao Y., Li T. P., Song L. M., Ge M. Y., Han D. W., Chen Y., et al.
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.244, no.1, 2019 (SCI-Expanded)
- VIII. **Constant cyclotron line energy in Hercules X-1 - Joint Insight-HXMT and NuSTAR observations**
Xiao G. C., Ji L., Staubert R., Ge M. Y., Zhang S., Zhang S. N., Santangelo A., Ducci L., Liao J. Y., Guo C. C., et al.
JOURNAL OF HIGH ENERGY ASTROPHYSICS, vol.23, pp.29-32, 2019 (Journal Indexed in SCI)
- IX. **Insight-HXMT Observations of Swift J0243.6+6124 during Its 2017-2018 Outburst**
Zhang Y., Ge M., Song L., Zhang S., Qu J., Zhang S., Doroshenko V., Tao L., Ji L., Gungor C., et al.
ASTROPHYSICAL JOURNAL, vol.879, no.1, 2019 (SCI-Expanded)
- X. **Dense matter with eXTP**
WATTS A. L., YU W., Poutanen J., ZHANG S., BHATTACHARYYA S., Bogdanov S., Ji L., PATRUNO A., RILEY T. E., BAKALA P., et al.
SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, vol.62, no.2, 2019 (Peer-Reviewed Journal)
- XI. **Physics and astrophysics of strong magnetic field systems with eXTP**
SANTANGELO A., Zane S., FENG H., XU R., DOROSHENKO V., BOZZO E., Caiazzo I., ZELATI F. C., ESPOSITO P., Gonzalez-Caniulef D., et al.
SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, vol.62, no.2, 2019 (Journal Indexed in SCI)
- XII. **Swift observations of the bright uncatalogued X-ray transient MAXI J1535-571**
TAO L., CHEN Y., Gungor C., HUANG Y., LU F., QU J., SONG L., ZHANG L., ZHANG S., ZHANG S.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.480, no.4, pp.4443-4454, 2018 (SCI-Expanded)
- XIII. **INSIGHT-HXMT Observations of the New Black Hole Candidate MAXI J1535-571: Timing Analysis**
Huang Y., Qu J. L., Zhang S. N., Bu Q. C., Chen Y. P., Tao L., Zhang S., Lu F. J., Li T. P., Song L. M., et al.

- ASTROPHYSICAL JOURNAL, vol.866, no.2, 2018 (Journal Indexed in SCI)
- XIV. **Partial Accretion in the Propeller Stage of Low-mass X-Ray Binary Aql X-1**
Güngör C., Ekşi K. Y., Gogus E., Guver T.
ASTROPHYSICAL JOURNAL, vol.848, no.1, 2017 (SCI-Expanded)
- XV. **On the morphology of outbursts of accreting millisecond X-ray pulsar Aquila X-1**
Gungor C., Ekşi K. Y., Gogus E.
NEW ASTRONOMY, vol.56, pp.1-4, 2017 (Journal Indexed in SCI)
- XVI. **The ultraluminous X-ray source NuSTAR J095551+6940.8: a magnetar in a high-mass X-ray binary**
Ekşi K. Y., Andaç İ. C., Çıkıntoğlu S., Gencali A. A., Güngör C., Oztekin F.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.448, no.1, 2015 (SCI-Expanded)
- XVII. **Classification and spectral evolution of outbursts of Aql X-1**
Gungor C., Guver T., Ekşi K. Y.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.439, no.3, pp.2717-2727, 2014 (SCI-Expanded)
- XVIII. **What does a measurement of mass and/or radius of a neutron star constrain: Equation of state or gravity?**
Ekşi K. Y., Gungor C., Turkoglu M. M.
PHYSICAL REVIEW D, vol.89, no.6, 2014 (Journal Indexed in SCI)
- XIX. **Neutron stars in a perturbative $f(R)$ gravity model with strong magnetic fields**
CHEOUN M., Deliduman C., Gungor C., Keles V., RYU C. Y., KAJINO T., MATHEWS G. J.
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS, no.10, 2013 (Journal Indexed in SCI)
- XX. **A new low-mass eclipsing binary: NSVS 02502726**
Cakirh O., Ibanoglu C., Gungor C.
NEW ASTRONOMY, vol.14, no.5, pp.496-502, 2009 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Düşük kütleli X-ışın Çiftlerinde Atma Gözlenmeme Sebebi Compton Saçılması mı?**
GÜNGÖR C.
Yüksek Enerji Fiziği, Astrofizik ve Kozmoloji Çalıştayı, İstanbul, Turkey, 30 - 31 January 2019, pp.1
- II. **Aql X-1'in Tayfsal Özelliklerinin Insight-HXMT Gözlemleriyle İncelenmesi**
GÜNGÖR C.
Yüksek Enerji Fiziği, Astrofizik ve Kozmoloji Çalıştayı, İstanbul, Turkey, 30 - 31 January 2019, pp.1
- III. **Partial Accretion in the Propeller Stage of Aql X-1**
GÜNGÖR C.
Burst Environment, Reactions and Numerical Modelling Workshop 2018, Prato, Italy, 11 - 15 June 2018, pp.1
- IV. **Partial accretion in the propeller stage of accreting millisecond x-ray pulsars**
GÜNGÖR C., EKSI K. Y., GOGUS E., GÜVER T.
European Week of Astronomy and Space Science, Atina, Greece, 4 - 08 July 2016, pp.1
- V. **Aquila X-1 in outburst**
GÜNGÖR C., GOGUS E., GÜVER T., EKSI K. Y.
European Week of Astronomy and Space Science, Turku, Finland, 4 - 08 July 2016, pp.1
- VI. **What does a measurement of mass and or radius of a neutron star constrain Equation of state or gravity**
TURKOGLU M. M., GÜNGÖR C., EKSI K. Y.
40th COSPAR Scientific Assembly, Moskova, Russia, 2 - 10 August 2014, pp.1
- VII. **Classification and spectral evolution of outbursts of Aql X 1**
GÜNGÖR C., EKSI K. Y., TURKOGLU M. M.
40th COSPAR Scientific Assembly, Moskova, Russia, 2 - 10 August 2014, pp.1
- VIII. **Possible Ambiguities in the Equation of state for Neutron Stars**
CHEOUN M., MIYATSU T., RYU C. Y., Deliclumani C., Gungor C., Keles V., KAJINO T., Mathews G. J.

12th International Symposium on Origin of Matter and Evolution of Galaxies (OMEG), Tsukuba, Japan, 18 - 21 November 2013, vol.1594, pp.414-419

Supported Projects

TUBITAK Project, Fermi/Gbm Verileri Ile Tetiklememiş Geçici Gama Işını Olaylarının Derinlemesine Araştırılması Ve İncelenmesi, 2019 - 2020

TUBITAK Project, Magnetarların Uzun Evre X-Işını Emisyon Özelliklerinin İncelenmesi, 2017 - 2017

GÜVER T., TUBITAK Project, Nötron Yıldızı-Disk Etkileşiminin Kipleri, 2012 - 2015

TUBITAK Project, Genel Görecelik Ve Alternatif Gravitasyon Kuramlarının Astrofiziksel Sınanması, 2010 - 2012

TUBITAK Project, Küçük Kütleli Örten Çift Yıldızların Işıkölçüm Ve Tayfsal Gözlemleri, 2008 - 2009

Metrics

Publication: 28

Citation (WoS): 252

Citation (Scopus): 277

H-Index (WoS): 9

H-Index (Scopus): 9

Scholarships

2214-A Yurt Dışı Araştırma Burs Programı, TUBITAK, 2015 - 2016

Awards

Güngör C., Science Academy's Young Scientist Awards Program , Bilim Akademisi, April 2021