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Education Information

Doctorate, Bogazici University, Institute Of Science, Fizik (Dr), Turkey 1998 - 2005

Postgraduate, Bogazici University, Institute Of Science, Fizik (YI) (Tezli), Turkey 1997 - 1998

Undergraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1993 - 1997

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, 2022 - Continues

Associate Professor, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, 2011 - Continues

Assistant Professor, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, 2008 - 2011

Research Assistant, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, 1997 - 2005

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Scalar and vector perturbations in a universe with nonlinear perfect fluid**
Canay E., Brilenkov R., Eingorn M., Arapoğlu A. S. , Zhuk A.
EUROPEAN PHYSICAL JOURNAL C, vol.81, no.3, 2021 (Journal Indexed in SCI)
- II. **Formalizing slow-roll inflation in scalar-tensor theories of gravitation**
Akin K., Arapoğlu A. S. , Yükselci A. E.
PHYSICS OF THE DARK UNIVERSE, vol.30, 2020 (Journal Indexed in SCI)
- III. **A neutron star with a strange quark star-like mass-radius relation**
Arapoğlu A. S. , Yükselci A. E.
PHYSICS OF THE DARK UNIVERSE, vol.28, 2020 (Journal Indexed in SCI)
- IV. **Dynamical system analysis of quintessence models with exponential potential - Revisited**
Arapoğlu A. S. , Yükselci A. E.
MODERN PHYSICS LETTERS A, vol.34, no.9, 2019 (Journal Indexed in SCI)
- V. **Neutron star structure in the presence of nonminimally coupled scalar fields**
Arapoglu A. S. , Ekşi K. Y. , Yükselci A. E.
PHYSICAL REVIEW D, vol.99, no.6, 2019 (Journal Indexed in SCI)
- VI. **Dynamical system analysis of a five-dimensional cosmological model**
Arapoğlu A. S. , Yalçinkaya E., Yükselci A. E.
ASTROPHYSICS AND SPACE SCIENCE, vol.363, no.10, 2018 (Journal Indexed in SCI)

- VII. **Relativistic stars in Starobinsky gravity with the matched asymptotic expansions method**
ARAPOGLU S., Çıkıntoğlu S., Ekşi K. Y.
PHYSICAL REVIEW D, vol.96, no.8, 2017 (Journal Indexed in SCI)
- VIII. **Moment of inertia of neutron star crust in alternative and modified theories of gravity**
Staykov K. V. , Ekşi K. Y. , YAZADJIEV S. S. , TURKOGLU M. M. , ARAPOGLU A. S.
PHYSICAL REVIEW D, vol.94, no.2, 2016 (Journal Indexed in SCI)
- IX. **Constraints on perturbative f(R) gravity via neutron stars**
Arapoglu S., Deliduman C., Ekşi K. Y.
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS, no.7, 2011 (Journal Indexed in SCI)
- X. **S duality in String Gas Cosmology**
Ata K., Arapoğlu A. S. , KAYA A.
Phys.Lett. B, vol.0, 2007 (Journal Indexed in SSCI)
- XI. **A noncritical Ramond Neveu Schwarz string with one end fixed**
SAÇLIOĞLU C. K. , Arapoğlu A. S.
Int.J.Mod.Phys. A, vol.0, 2006 (Journal Indexed in SSCI)
- XII. **D brane gases and stabilization of extra dimensions in dilaton gravity**
KAYA A., Arapoğlu A. S.
Phys.Lett. B, vol.0, 2004 (Journal Indexed in SSCI)
- XIII. **Multispin giants**
Ergin S., Arapoğlu A. S. , KAYA A., DEĞER N. S. , Per S.
Phys.Rev. D, vol.0, 2004 (Journal Indexed in SSCI)
- XIV. **A Note on supergravity solutions for partially localized intersecting branes**
Arapoğlu A. S. , Deger N. S. , KAYA A.
Phys. Lett.B, vol.0, 2004 (Journal Indexed in SSCI)

Supported Projects

Arapoğlu A. S. , Ekşi K. Y. , TUBITAK Project, Genel Görecelik ve Alternatif Gravitasyon Kuramlarının Astrofiziksel Sınanması, 2009 - 2012

Citations

Total Citations (WOS):129

h-index (WOS):4