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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: O-1718-2018

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Yoksis Araştırmacı ID: 105350

Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Türkiye 1986 - 1991

Yüksek Lisans, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 1983 - 1985

Lisans, Ankara Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Türkiye 1979 - 1983

Yabancı Diller

İngilizce, B2 Orta Üstü

Araştırma Alanları

Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2021 - Devam Ediyor

Doç.Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2007 - Devam Ediyor

Yrd.Doç.Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1993 - 2007

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Re-evaluation of dlk of the normalised Friedmann-Lemaitre-Robertson-Walker model: Implications for Hubble constant determinations**

ÖZTAŞ A. M., Smith M. L.

NEW ASTRONOMY, cilt.88, 2021 (SCI-Expanded)

- II. **Cosmic future of universe inferred from the horizon behaviours in Lambda proportional to a(-2), Lambda proportional to H-2, Lambda proportional to rho cosmological constant models**

ÖZTAŞ A. M., Dil E., Tufekci O.

JOURNAL OF ASTROPHYSICS AND ASTRONOMY, cilt.42, sa.2, 2021 (SCI-Expanded)

- III. Entropic source of cosmological constant and implications: Generalization to higher dimensions**
ÖZTAŞ A. M., Dil E.
PHYSICS OF THE DARK UNIVERSE, cilt.31, 2021 (SCI-Expanded)
- IV. Testing adiabatic expansion of polytropic universe model with SNe Ia data**
Dil E., ÖZTAŞ A. M., Dil E.
PHYSICA SCRIPTA, cilt.95, sa.6, 2020 (SCI-Expanded)
- V. The varying cosmological constant models tested with Supernovae Type Ia and HII Galaxy Data**
Dil E., ÖZTAŞ A. M., Dil E.
ASTRONOMY AND COMPUTING, cilt.28, 2019 (SCI-Expanded)
- VI. The effects of a varying cosmological constant on the particle horizon**
ÖZTAŞ A. M.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, cilt.481, sa.2, ss.2228-2234, 2018 (SCI-Expanded)
- VII. The varying cosmological constant: a new approximation to the Friedmann equations and universe model**
ÖZTAŞ A. M., Dil E., Smith M. L.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, cilt.476, sa.1, ss.451-458, 2018 (SCI-Expanded)
- VIII. Space-time curvature and the cosmic horizon: derivations using the Newtonian world and the Friedmann-Robertson-Walker metric**
ÖZTAŞ A. M., Smith M. L.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, cilt.449, sa.2, ss.1270-1274, 2015 (SCI-Expanded)
- IX. The Cosmological Constant Constrained with Union2.1 Supernovae Type Ia Data Derivation and Evaluation of Several FRW and Carmeli Models Presenting Underwhelming Support for the Standard Model**
ÖZTAŞ A. M., Smith M. L.
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, cilt.53, sa.8, ss.2636-2661, 2014 (SCI-Expanded)
- X. Is the possible fine-structure constant drift also a test of a time-dependent Planck constant?**
ÖZTAŞ A. M., Smith M. L.
SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, cilt.54, sa.12, ss.2191-2195, 2011 (SCI-Expanded)
- XI. CONSTRAINTS ON DARK ENERGY AND DARK MATTER FROM SUPERNOVAE AND GAMMA RAY BURST DATA**
Smith M. L., Sekaran B., ÖZTAŞ A. M., Paul J.
DARK ENERGY: THEORIES, DEVELOPMENTS AND IMPLICATIONS, ss.111-126, 2010 (SCI-Expanded)
- XII. Spacetime curvature is important for cosmology constrained with supernova emissions**
Oeztas A. M., Smith M. L., Paul J.
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, cilt.47, sa.9, ss.2464-2478, 2008 (SCI-Expanded)
- XIII. Elliptical solutions to the standard cosmology model with realistic values of matter density**
Oztas A. M., Smith M. L.
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, cilt.45, sa.5, ss.925-936, 2006 (SCI-Expanded)
- XIV. A model of light from ancient blue emissions**
Smith M. L., Oztas A. M., Paul J.
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, cilt.45, sa.5, ss.937-952, 2006 (SCI-Expanded)
- XV. Condition for gapless color-antitriplet excitations in Nambu-Jona-Lasinio models**
Sandin F., Oztas A. M.
PHYSICAL REVIEW C, cilt.73, sa.3, 2006 (SCI-Expanded)
- XVI. Phase diagram of three-flavor quark matter under compact star constraints**
Blaschke D., Fredriksson S., Grigorian H., Oztas A. M., Sandin F.
PHYSICAL REVIEW D, cilt.72, sa.6, 2005 (SCI-Expanded)
- XVII. Diquark condensation effects on hot quark star configurations**
Blaschke D., Fredriksson S., Grigorian H., Oztas A. M.
NUCLEAR PHYSICS A, cilt.736, ss.203-219, 2004 (SCI-Expanded)
- XVIII. The low-temperature phase of the Heisenberg antiferromagnet in a fermionic representation**

- Azakov S., Dilaver M., Oztas A. M.
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.14, sa.1, ss.13-28, 2000 (SCI-Expanded)
- XIX. PHASE-TRANSITION IN FINITE-TEMPERATURE STRING THEORIES
OZTAS A. M., GUNDUC Y., CELIK T.
ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS, cilt.63, sa.4, ss.655-657, 1994 (SCI-Expanded)

Düzen Dergilerde Yayınlanan Makaleler

- I. Epochs of discontinuity for the standard model of cosmology with supernovae observational data
Smith M. L., ÖZTAŞ A. M.
Advanced Studies in Theoretical Physics, cilt.2, sa.1, ss.1-10, 2008 (Scopus)
- II. Estimation of redshifts from early galaxies
Smith M. L., ÖZTAŞ A. M., Paul J.
Annales de la Fondation Louis de Broglie, cilt.32, sa.1, ss.61-67, 2007 (Scopus)

Kitap & Kitap Bölümleri

- I. Constraints on Dark Energy and Dark Matter from Supernovaeand Gamma Ray Burst Data
SMITH M., SAKARAN B., ÖZTAŞ A. M., PAUL J.
DARK ENERGY THEORIES DEVELOPMENTS AND IMPLICATIONS, KARL LEFEBVRE, RAOUL GARCIA, Editör, NOVA Science Publishers, Inc., New-York, ss.111-126, 2011
- II. A Polytropic Solution ofthe Expanding Universe – ConstrainingRelativistic and Non-Relativistic MatterDensities Using Astronomical Results
ÖZTAŞ A. M., ML S.
Aspects of Today s Cosmology, Antonio Alfonso-Faus, Editör, IN TECH, Rijeka, ss.285-304, 2010

Metrikler

Yayın: 23
Atıf (WoS): 255
Atıf (Scopus): 239
H-İndeks (WoS): 6
H-İndeks (Scopus): 7