

Prof.Dr. ZEKERİYA ARVASI

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, University of Wales, Bangor, Mathematics, Birleşik Krallık 1991 - 1994

Yüksek Lisans, University of Leeds, Mathematics, Birleşik Krallık 1990 - 1991

Lisans, Anadolu Üniversitesi, Fen Fakültesi, Matematik Bölümü, Türkiye 1984 - 1988

Yaptığı Tezler

Doktora, Applications in commutative algebra of the Moore complex of a simplicial algebra, University of Wales, Bangor, Mathematics, 1994

Yüksek Lisans, Macaulay and Gorenstein Rings, University of Leeds, Mathematics, 1991

Akademik Unvanlar / Görevler

Prof.Dr., Eskişehir Osmangazi Üniversitesi, Fen Fakültesi, Matematik-Bilgisayar Bölümü, 2003 - Devam Ediyor

Doç.Dr., Eskişehir Osmangazi Üniversitesi, Fen Fakültesi, Matematik-Bilgisayar Bölümü, 1998 - 2003

Yrd.Doç.Dr., Eskişehir Osmangazi Üniversitesi, Fen Fakültesi, Matematik-Bilgisayar Bölümü, 1995 - 1998

Akademik İdari Deneyim

Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Ve Bilgisayar Bilimleri Bölümü, 2012 - Devam Ediyor

Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Ve Bilgisayar Bilimleri Bölümü, 2011 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **On classifying simplicial modules**
ARVASI Z., ILGAZ ÇAĞLAYAN E.
Communications in Algebra, cilt.52, sa.3, ss.945-959, 2024 (SCI-Expanded)
- II. **Computing 3-dimensional groups: Crossed squares and cat2-groups**
ARVASI Z., Odabas A., Wensley C. D.
JOURNAL OF SYMBOLIC COMPUTATION, cilt.114, ss.267-281, 2023 (SCI-Expanded)
- III. **Commutativity degree of crossed modules**
ARVASI Z., Çağlayan E. I., ODABAŞ A.
Turkish Journal of Mathematics, cilt.46, sa.1, ss.242-256, 2022 (SCI-Expanded)
- IV. **On 2-algebras: crossed R-modules and categorical R-algebras**

Arvasi Z., Ilgaz Çağlayan E.

TURKISH JOURNAL OF MATHEMATICS, cilt.45, sa.3, ss.1319-1336, 2021 (SCI-Expanded)

- V. **Computing 2-dimensional algebras: Crossed modules and Cat1-algebras**
Arvasi Z., Odabas A.
Journal of Algebra and its Applications, cilt.15, sa.10, 2016 (SCI-Expanded)
- VI. **Homotopical aspects of commutative algebras I: freeness conditions for crossed squares**
ARVASI Z., ULUALAN E.
JOURNAL OF HOMOTOPY AND RELATED STRUCTURES, cilt.10, sa.3, ss.495-518, 2015 (SCI-Expanded)
- VII. **Freeness conditions for quadratic modules and quadratic chain complexes**
ARVASI Z., ULUALAN E.
GEORGIAN MATHEMATICAL JOURNAL, cilt.18, sa.4, ss.615-637, 2011 (SCI-Expanded)
- VIII. **Three-crossed modules**
Arvasi Z., Kuzpinari T. S., Uslu E. O.
Homology, Homotopy and Applications, cilt.11, sa.2, ss.161-187, 2009 (SCI-Expanded)
- IX. **Quadratic and 2-crossed modules of algebras**
Arvasi Z., Ulualan E.
Algebra Colloquium, cilt.14, sa.4, ss.669-686, 2007 (SCI-Expanded)
- X. **3-Types of simplicial groups and braided regular crossed modules**
Arvasi Z., Ulualan E.
Homology, Homotopy and Applications, cilt.9, sa.1, ss.139-161, 2007 (SCI-Expanded)
- XI. **Braided crossed modules and reduced simplicial groups**
Arvasi Z., Kocak M., Ulualan E.
Taiwanese Journal of Mathematics, cilt.9, sa.3, ss.477-488, 2005 (SCI-Expanded)
- XII. **Freeness Conditions for 2-Crossed Modules of Commutative Algebras**
ARVASI Z., Porter T.
Applied Categorical Structures, cilt.13, sa.3, ss.455-471, 2005 (SCI-Expanded)
- XIII. **Annihilators, Multipliers and Crossed Modules**
Arvasi Z., Ege U.
Applied Categorical Structures, cilt.11, sa.6, ss.487-506, 2003 (SCI-Expanded)
- XIV. **Simplicial and crossed lie algebras**
AKÇA İ. İ., ARVASI Z.
Homology, Homotopy and Applications, cilt.4, sa.1, ss.43-57, 2002 (SCI-Expanded)
- XV. **From simplicial groups to crossed complexes**
ARVASI Z.
Turkish Journal of Mathematics, cilt.22, sa.2, ss.185-192, 1998 (SCI-Expanded)
- XVI. **A combinatorial definition of n-types of simplicial commutative algebras**
Arvasi Z., Koçak M., Alp M.
Turkish Journal of Mathematics, cilt.22, sa.3, ss.243-271, 1998 (SCI-Expanded)
- XVII. **Crossed N-cubes and n-crossed complexes of commutative algebras**
ARVASI Z., KOÇAK M.
Turkish Journal of Mathematics, cilt.22, sa.2, ss.127-143, 1998 (SCI-Expanded)
- XVIII. **Dold-Kan type theorems for n-types of simplicial commutative algebras**
ARVASI Z., KOÇAK M.
Turkish Journal of Mathematics, cilt.22, sa.2, ss.171-184, 1998 (SCI-Expanded)
- XIX. **Crossed squares and 2-crossed modules of commutative algebras**
Arvasi Z.
Theory and Applications of Categories, cilt.3, ss.160-181, 1997 (SCI-Expanded)
- XX. **Higher dimensional peiffer elements in simplicial commutative algebras**
Arvasi Z., Porter T.
Theory and Applications of Categories, cilt.3, ss.1-23, 1997 (SCI-Expanded)
- XXI. **Simplicial and crossed resolutions of commutative algebras**

Arvasi Z., Porter T.

Journal of Algebra, cilt.181, sa.2, ss.426-448, 1996 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Computing High Dimensional Algebras with GAP, II**
ARVASI Z., ODABAŞ A.
Tathapi, cilt.19, sa.55, ss.443-447, 2020 (Hakemli Dergi)
- II. **Computing High Dimensional Algebras with GAP, I**
ARVASI Z., ODABAŞ A.
Tathapi, cilt.19, sa.55, ss.428-432, 2020 (Hakemli Dergi)
- III. **(Co)-Induced Two Crossed Modules**
EGE ARSLAN U., ARVASI Z., ONARLI G.
arXiv, 2013 (Hakemsiz Dergi)
- IV. **Crossed Modules of Algebras**
ARVASI Z.
Mathematical & Computational Applications, cilt.9, sa.2, ss.173-182, 2004 (Hakemli Dergi)
- V. **Higher Dimensional Free Crossed Modules of Commutative Algebras**
ARVASI Z., EGE ARSLAN U.
Algebra, Groups and Geometry, cilt.19, sa.2, ss.129-145, 2002 (Hakemli Dergi)
- VI. **2 Crossed Complexes and Crossed Resolutions of Lie Algebras**
ARVASI Z.
Algebra, Groups and Geometry, cilt.16, ss.452-479, 1999 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **2-ALGEBRAS WITH GAP, II : IMPLEMENTATIONS**
ARVASI Z., ODABAŞ A.
INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY, ROPAR, Hindistan, 16 - 18 Mart 2018
- II. **2-ALGEBRAS WITH GAP, I : CROSSED MODULES AND CAT-1 ALGEBRAS**
ARVASI Z., ODABAŞ A.
INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND TECHNOLOGY, ROPAR, Hindistan, 16 - 18 Mart 2018
- III. **The package XModAlg**
ARVASI Z., ODABAŞ A.
International Conference on Applied Analysis and Mathematical Modeling, 8 - 12 Haziran 2015
- IV. **CLASSIFICATION OF GROUPS UP TO ISOCLINISM WITH GAP**
ARVASI Z., ODABAŞ A.
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELLING, İstanbul, Türkiye, 8 - 12 Haziran 2015

Desteklenen Projeler

ARVASI Z., Yükseköğretim Kurumları Destekli Proje, Çaprazlanmış Modüller Üzerine, 2015 - 2017

Metrikler

Yayın: 31

Atıf (WoS): 48

Atıf (Scopus): 102

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H-İndeks (Scopus): 6