Prof. YILDIRAY OZAN

Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: AAZ-6245-2020
ScopusID: 56628072200
Yoksis Researcher ID: 163283

Education Information

Doctorate, Michigan State University, Matematik, United States Of America 1990 - 1994

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, Turkey 1984 - 1989

Foreign Languages

English, C1 Advanced

Research Areas

Mathematics, Algebraic Geometry, Algebraic Topology, Topological Groups, Lie Groups, Natural Sciences

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2006 - Continues

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2001 - 2006

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 1996 - 2001

Academic and Administrative Experience

Head of Department, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2017 - 2023

Supervised Theses

OZAN Y., Smooth manifolds with infinite fundamental group admitting no real projective structure, Doctorate, H.ÇOBAN(Student), 2017

OZAN Y., Exotic smooth structures on non-simply connected 4-manifolds, Doctorate, M.Toprak(Student), 2010

OZAN Y., On the tight contact structures on seıfert fibred 3−manifolds with 4 singular fibers, Doctorate, E.Medetoğulları(Student), 2010

OZAN Y., On the tight contact structures on Seifert fibred 3-manifolds with 4 singular fibers, Doctorate, E.MEDETOĞULLARI(Student), 2010

OZAN Y., Exotic smooth structures on non-simply connedted 4-manifolds, Doctorate, M.TOPKARA(Student), 2010

OZAN Y., On the algebraic structure of relative Hamiltonian diffeomorphism group, Doctorate, A.SAİT(Student), 2008

OZAN Y., Homology of real algebraic varieties and morphisms to spheres, Doctorate, A.ÖZTÜRK(Student), 2005

OZAN Y., On the Hamiltonian circle actions and symplectic reduction, Postgraduate, A.SAİT(Student), 2003

OZAN Y., Approximating smooth maps by real algebraic morphisms., Postgraduate, R.İNANÇ(Student), 2002

OZAN Y., Some remarks on Massey products, tied classes and the Lusternik-Schnirelman category, Postgraduate, M.PAMUK(Student), 2002

OZAN Y., Some remarks on massey products, tied classes and the lusternik-schnirelman category., Postgraduate, M.Pamuk(Student), 2002

OZAN Y., On the fundamental groups of Kähler manifolds and 4-manifold invariants of finitely presentable groups, Postgraduate, A.Öztürk(Student), 1999

OZAN Y., Diferansiyellenebilir manifoldların cebirsel modelleri üzerine, Postgraduate, A.ÇELİKTEN(Student), 1998

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Equivariant Picard groups of the moduli spaces of some finite Abelian covers of the Riemann sphere**
    OZAN Y.
    Topology and its Applications, vol.326, 2023 (SCI-Expanded)

II. **Liftable homeomorphisms of cyclic and rank two finite abelian branched covers over the real projective plane**
    Atalan F., Medetogullari E., OZAN Y.
    Topology and its Applications, vol.288, 2021 (SCI-Expanded)

III. **Liftable homeomorphisms of rank two finite abelian branched covers**
    Atalan F., Medetogullari E., Ozan Y.
    ARCHIV DER MATHEMATIK, vol.116, no.1, pp.37-48, 2021 (SCI-Expanded)

IV. **A FILTRATION ON EQUIVARIANT BOREL-MOORE HOMOLOGY**
    Bingham A., Can M. B., OZAN Y.
    FORUM OF MATHEMATICS SIGMA, vol.7, 2019 (SCI-Expanded)

V. **Self-dual metrics on non-simply connected 4-manifolds**
    Kalafat M., OZAN Y., Arguez H.
    JOURNAL OF GEOMETRY AND PHYSICS, vol.64, pp.79-82, 2013 (SCI-Expanded)

VI. **On cohomology of invariant submanifolds of Hamiltonian actions**
    Ozan Y.
    MICHIGAN MATHEMATICAL JOURNAL, vol.53, no.3, pp.579-584, 2005 (SCI-Expanded)

VII. **Relative flux homomorphism in symplectic geometry**
    Ozan Y.
    PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY, vol.133, no.4, pp.1223-1230, 2005 (SCI-Expanded)

VIII. **Relative topology of real algebraic varieties in their complexifications**
    Ozan Y.
    PACIFIC JOURNAL OF MATHEMATICS, vol.217, no.2, pp.291-302, 2004 (SCI-Expanded)

IX. **On homotopy groups of real algebraic varieties and their complexifications**
    Ozan Y.

GEOMETRIAE DEDICATA, vol.108, no.1, pp.131-140, 2004 (SCI-Expanded)

X. **On algebraic K-theory of real algebraic varieties with circle action**
Ozan Y.
JOURNAL OF PURE AND APPLIED ALGEBRA, vol.170, pp.287-293, 2002 (SCI-Expanded)

XI. **On entire rational maps of real surfaces**
Ozan Y.
JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, vol.39, no.1, pp.77-89, 2002 (SCI-Expanded)

XII. **An obstruction to finding algebraic models for smooth manifolds with prescribed algebraic submanifolds**
CELIKTEN A., Ozan Y.
MATHEMATICAL PROCEEDINGS OF THE CAMBRIDGE PHILOSOPHICAL SOCIETY, vol.130, pp.281-286, 2001 (SCI-Expanded)

XIII. **On homology of real algebraic varieties**
Ozan Y.
PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY, vol.129, no.11, pp.3167-3175, 2001 (SCI-Expanded)

XIV. **Homology of real algebraic fiber bundles having circle as fiber or base**
Ozan Y.
MICHIGAN MATHEMATICAL JOURNAL, vol.46, no.1, pp.113-121, 1999 (SCI-Expanded)

XV. **Quotients of Real Algebraic Sets via Finite Groups**
OZAN Y.
Turkish Math. Journal, vol.21, pp.493-499, 1997 (SCI-Expanded)

XVI. **ON ENTIRE RATIONAL MAPS IN REAL ALGEBRAIC-GEOMETRY**
OZAN Y.
MICHIGAN MATHEMATICAL JOURNAL, vol.42, no.1, pp.141-145, 1995 (SCI-Expanded)

Books & Book Chapters

I. **Türevlenebilir Manifoldlara Giriş**
Ozan Y.
ODTÜ Basım İşliği, Ankara, 2016

Refereed Congress / Symposium Publications in Proceedings

I. **Learner modeling to facilitate personalized e-Learning experience**
Görgün I., Türker A., OZAN Y., Heller J.
IADIS International Conference on Cognition and Exploratory Learning in Digital Age, CELDA 2005, Porto, Portugal, 14 - 16 December 2005, pp.231-237

Metrics

Publication: 18
Citation (WoS): 39
Citation (Scopus): 41
H-Index (WoS): 3
H-Index (Scopus): 4

Awards

TÜBA GEBİP ÖDÜLÜ, Tüba, June 2004

Mustafa Parlar Araştırma Teşvik Ödülü , Odtü Prof. Dr. Mustafa N. Parlar Eğitim Ve Araştırma Vakfı, March 2001

Eğitimde Mükemmellik Mansiyon Ödülü, Michigan State University, Mathematics Department, April 1994

Non Academic Experience

Michigan State University