

Assoc. Prof. Ergün Yaraneri

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-8270-2020

ScopusID: 14055174400

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Education Information

Doctorate, İhsan Doğramacı Bilkent University, Faculty Of Science, Department Of Mathematics, Turkey 2003 - 2008

Postgraduate, İhsan Doğramacı Bilkent University, Faculty Of Science, Department Of Mathematics, Turkey 2001 - 2003

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 1997 - 2001

Foreign Languages

English

Dissertations

Doctorate, Inductions, restrictions, evaluations and subfunctors of Mackey functors, İhsan Doğramacı Bilkent Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2008

Postgraduate, On Monomial Burnside rings, İhsan Doğramacı Bilkent Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2003

Research Areas

Error Corrector Codes, Cryptography, Associative Rings and Algebras, Group Theory and Generalizations, K-Theory, Number Theory, Classification Theory and Homological Algebra

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2013 - Continues

Courses

Algebra, Undergraduate, 2016 - 2017
 Algebra II, Doctorate, 2016 - 2017
 Linear Algebra I, Undergraduate, 2015 - 2016
 Algebra I, Postgraduate, 2016 - 2017
 Algebra, Undergraduate, 2016 - 2017
 Mathematics II, Undergraduate, 2013 - 2014
 Mathematics IV, Undergraduate, 2013 - 2014
 Lie Groups and Lie Algebras, Doctorate, 2013 - 2014
 Mathematics I, Undergraduate, 2012 - 2013
 Abstract Mathematics, Undergraduate, 2010 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Linear codes over $F_q \times (F_q + \nu F_q)$**
 Tekkoyun M., Yaraneri E.
 Journal of Applied Mathematics and Computing, vol.69, no.4, pp.3553-3578, 2023 (SCI-Expanded)
- II. **Error Performance Analysis of Random Network Coded Cooperation Systems**
 Basaran S., GOKCELI S., Kurt G. K., Özdemir E., Yaraneri E.
 IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, vol.16, no.8, pp.5325-5337, 2017 (SCI-Expanded)
- III. **Modules with Finitely Many Submodules**
 Akbari S., GHEZELAHMAD S. K., Yaraneri E.
 ALGEBRA COLLOQUIUM, vol.23, no.3, pp.463-468, 2016 (SCI-Expanded)
- IV. **Abelian groups with isomorphic intersection graphs**
 Kayacan S., Yaraneri E.
 ACTA MATHEMATICA HUNGARICA, vol.146, no.1, pp.107-127, 2015 (SCI-Expanded)
- V. **FINITE GROUPS WHOSE INTERSECTION GRAPHS ARE PLANAR**
 Kayacan S., Yaraneri E.
 JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, vol.52, no.1, pp.81-96, 2015 (SCI-Expanded)
- VI. **INTERSECTION GRAPH OF A MODULE**
 Yaraneri E.
 JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.12, no.5, 2013 (SCI-Expanded)
- VII. **Composition factors of functors**
 Yaraneri E.
 JOURNAL OF ALGEBRA, vol.335, no.1, pp.113-162, 2011 (SCI-Expanded)
- VIII. **Socles and radicals of Mackey functors**
 Yaraneri E.
 JOURNAL OF ALGEBRA, vol.321, no.10, pp.2970-3025, 2009 (SCI-Expanded)
- IX. **Kernels, inflations, evaluations, and imprimitivity of Mackey functors**
 Yaraneri E.
 JOURNAL OF ALGEBRA, vol.319, no.5, pp.1993-2029, 2008 (SCI-Expanded)
- X. **A filtration of the modular representation functor**
 Yaraneri E.
 JOURNAL OF ALGEBRA, vol.318, no.1, pp.140-179, 2007 (SCI-Expanded)
- XI. **A Swan length theorem and a Fong dimension theorem for Mackey algebras**
 Yaraneri E.
 JOURNAL OF ALGEBRA, vol.311, no.1, pp.365-379, 2007 (SCI-Expanded)
- XII. **Clifford theory for Mackey algebras**
 Yaraneri E.
 JOURNAL OF ALGEBRA, vol.303, no.1, pp.244-274, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. İkili Kuadratik Formlar İle Çarpanlara Ayırma (Factorization with Binary Quadratic Forms)

Nari K., ÖZDEMİR E., YARANERİ E.

Journal of Engineering Technology and Applied Sciences, vol.3, no.3, pp.165-170, 2018 (Peer-Reviewed Journal)

Scientific Refereeing

FILOMAT, SCI Journal, July 2017

Journal of Algebra and Related Topics, Other Indexed Journal, June 2017

JOURNAL OF ALGEBRA AND ITS APPLICATIONS, SCI Journal, May 2017

Metrics

Publication: 17

Citation (WoS): 43

Citation (Scopus): 49

H-Index (WoS): 4

H-Index (Scopus): 4

Congress and Symposium Activities

XXV. Ulusal Matematik Sempozyumu, Invited Speaker, Niğde, Turkey, 2012