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International Researcher IDs

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Education Information

Doctorate, Erzincan Binali Yıldırım University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 2021 - Continues

Postgraduate, Aydın Adnan Menderes University, Faculty Of Arts And Sciences, Turkey 2015 - 2018

Undergraduate, Pamukkale University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 2010 - 2014

Certificates, Courses and Trainings

Vocational Training, Eğitimcilerin Eğitimi Sertifika Programı, Erzincan Binali Yıldırım Üniversitesi, 2022

Occupational Health and Safety, İş sağlığı ve Güvenliği, Erzincan Binali Yıldırım Üniversitesi, 2021

Vocational Training, Pedagojik Formasyon , Pamukkale Üniversitesi, 2014

Dissertations

Postgraduate, Finitely Generated Modules and Related Modules, Aydın Adnan Menderes University, Faculty Of Arts And Sciences, 2018

Research Areas

Mathematics, Group Theory and Generalizations, Number Theory

Academic Titles / Tasks

Research Assistant, Erzincan Binali Yıldırım University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **d-Gaussian Fibonacci, d-Gaussian Lucas Polynomials, and their Matrix Representations**
ÖZKAN E., UYSAL M.
Ukrainian Mathematical Journal, vol.75, no.4, pp.562-585, 2023 (SCI-Expanded)
- II. **Higher-Order Jacobsthal–Lucas Quaternions**
Uysal M., Özkan E.
Axioms, vol.11, no.12, pp.1-10, 2022 (SCI-Expanded)
- III. **Hyperbolic k-Jacobsthal and k-Jacobsthal-Lucas Quaternions**
Özkan E., Uysal M., Godase A.
INDIAN JOURNAL OF PURE AND APPLIED MATHEMATICS, vol.53, no.4, pp.956-967, 2022 (SCI-Expanded)
- IV. **On New Polynomial Sequences Constructed to Each Vertex in an n-Gon**
Ganie A. H., Özkan E., Uysal M., Akhter A.
DISCRETE DYNAMICS IN NATURE AND SOCIETY, vol.2022, pp.2910678, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **ON THE HYPERBOLIC k-MERSENNE AND k-MERSENNE-LUCAS OCTONIONS**
Uysal M., Kumari M., Kuloğlu B., Prasad K., Özkan E.
KRAGUJEVAC JOURNAL OF MATHEMATICS, vol.49, no.5, pp.765-779, 2025 (ESCI)
- II. **On Gaussian Fibonacci and Gaussian Lucas Hybrid Numbers**
Uysal M., Özkan E.
3rd INTERNATIONAL SYMPOSIUM ON CURRENT DEVELOPMENTS IN FUNDAMENTAL AND APPLIED MATHEMATICS SCIENCES (ISCDFAMS 2024), no.3, pp.190-202, 2024 (Conference Book)
- III. **Balancing and Lucas-Balancing Hybrid Numbers and Some Identities**
Uysal M., Özkan E.
Journal of Information and Optimization Sciences, vol.45, no.5, pp.1293-1304, 2024 (ESCI)
- IV. **On a generalization of the Gadovan numbers**
Özkan E., Eser E., Uysal M.
Matematik Moravica, vol.28, no.1, pp.109-119, 2024 (Peer-Reviewed Journal)
- V. **On the Mersenne and Mersenne-Lucas hybrid quaternions**
Özkan E., Uysal M.
Bulletin of the Transilvania University of Brasov. Series III: Mathematics and Computer, vol.4, no.66, pp.139-148, 2024 (Scopus)
- VI. **On Pell Functions and Pell Numbers**
Uysal M., Özkan E.
Research & Reviews: Discrete Mathematical Structures, vol.10, no.3, pp.1-9, 2024 (Peer-Reviewed Journal)
- VII. **d-Gaussian pell polynomials and their matrix representation**
Özkan E., Uysal M.
Discrete Mathematics, Algorithms and Applications, vol.15, no.6, pp.1-16, 2023 (ESCI)
- VIII. **On Quaternions with Higher Order Jacobsthal Numbers Components**
ÖZKAN E., UYSAL M.
Gazi University Journal of Science, vol.36, no.1, pp.336-347, 2023 (ESCI)
- IX. **d-Gaussian Pell-Lucas Polynomials and Their Matrix Representations**
Özkan E., Uysal M.
Turkish Journal of Mathematics and Computer Science, vol.14, no.2, pp.262-270, 2022 (Peer-Reviewed Journal)
- X. **ON THE PELL-EISENSTEIN SERIES OF POWER m**
Inam I., Özkan E., Uysal M., Ozkaya Z.
Bulletin of the Transilvania University of Brasov, Series III: Mathematics and Computer Science, vol.2, no.1, pp.77-82, 2022 (Scopus)
- XI. **On hyperbolic k-Jacobsthal and k-Jacobsthal–Lucas octonions**
Özkan E., Uysal M.

Notes on Number Theory and Discrete Mathematics , vol.28, no.2, pp.318-330, 2022 (ESCI)

- XII. **D- GAUSSIAN JACOBSTHAL, D- GAUSSIAN JACOBSTHALLUCAS POLYNOMIALS AND THEIR MATRIX REPRESENTATIONS**
Özkan E., Uysal M.
Electronic Journal of Mathematical Analysis and Applications, vol.10, no.2, pp.124-140, 2022 (Peer-Reviewed Journal)
- XIII. **Catalan transform of the incomplete Jacobsthal numbers and incomplete generalized Jacobsthal polynomials**
Özkan E., Uysal M., Kuloğlu B.
Asian-European Journal of Mathematics, vol.15, no.6, 2022 (ESCI)
- XIV. **A short note on the Pell-Lucas-Eisenstein series**
Uysal M., Inam I., Özkan E.
Asian-European Journal of Mathematics, vol.15, no.5, 2022 (ESCI)
- XV. **PADOVAN HYBRID QUATERNIONS AND SOME PROPERTIES**
Uysal M., Özkan E.
Journal Of Science And Arts, vol.22, no.1, pp.121-132, 2022 (ESCI)
- XVI. **A Difference Equation Model of Infectious Disease**
Shannon A., Dubeau F., UYSAL M., ÖZKAN E.
International Journal Bioautomation, vol.26, no.4, pp.339-352, 2022 (Scopus)
- XVII. **MERSENNE-LUCAS HYBRID NUMBERS**
Özkan E., Uysal M.
MATHEMATICA MONTISNIGRI, vol.52, pp.17-29, 2021 (Peer-Reviewed Journal)
- XVIII. **A study on some identities involving (sk; t)-Jacobsthal numbers**
Uysal M., Halıcı S.
Notes on Number Theory and Discrete Mathematics, no.26, pp.74-79, 2020 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **NEW NUMBER SEQUENCES BUILT ON HYBRID NUMBERS**
Uysal M., Özkan E.
9th International Conference on IFS and Contemporary Mathematics and Engineering (IFSCOM 2023), Mersin, Turkey, 8 - 11 July 2023, pp.16-17
- II. **A New Approach To Gadovan Numbers**
Özkan E., Eser E., Uysal M.
9th International Conference on IFS and Contemporary Mathematics and Engineering (IFSCOM 2023), Mersin, Turkey, 8 - 11 July 2023, pp.278
- III. **ON A GENERALIZATION OF MERSENNE HYBRID NUMBERS**
Özkan E., Uysal M.
International Conference on Computational Mathematics and Engineering Sciences (CMES-2022) , Ordu, Turkey, 20 - 22 May 2022, pp.72
- IV. **On Catalan Transformations of the Gaussian Fibonacci Sequence**
Uysal M., Özkan E.
2 nd International Congress of Engineering and Natural Sciences (ICENSS 2022), Ankara, Turkey, 7 - 09 May 2022, pp.388-393
- V. **Pell Sayıları ile ilişkili olarak elde edilen Pell fonksiyonları**
Özkan E., Uysal M.
Prof. Dr. Cemil Yapar Anısına Ulusal Matematik ve İstatistik Sempozyumu, Ordu, Turkey, 10 - 11 December 2021, pp.1
- VI. **On the Catalan Transforms of the Incomplete Jacobsthal Numbers**
Özkan E., Uysal M., Kuloğlu B.

International Conference on Mathematics and Mathematics Education, Ankara, Turkey, 16 - 18 September 2021,
pp.26-27

VII. **A Generalization of Gaussian Pell-Lucas Polynomials**

Özkan E., Uysal M.

International Conference on Mathematics and Mathematics Education, Ankara, Turkey, 16 - 18 September 2021,
pp.1

VIII. **Fibonacci Polinomlarının bir Genelleştirmesi**

Özkan E., Uysal M.

33. Ulusal Matematik Sempozyumu, İstanbul, Turkey, 31 August - 03 September 2021, pp.49

Supported Projects

Özkan E., Uysal M., Kuloğlu B., Project Supported by Higher Education Institutions, Generalized incomplete Jacobshtal polynomials, 2021 - 2022

Metrics

Publication: 30

Citation (Scopus): 13

H-Index (Scopus): 2