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Research Areas

Mathematics, Topological Groups, Lie Groups, Natural Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Bir Tn Turnuvasının Spanning Yollarının Ekstremum Sayıları Üzerine Bir Not**
Aldemir M. Ş.
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.2, pp.197-199, 2017 (SCI-Expanded)
- II. **A note on stratified domination and 2-rainbow domination in graphs**
Aldemir M. Ş., Ediz S.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.13, pp.833-836, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **On Van, R and S entropies of graphenylene**
Aldemir M. Ş., Ediz S., Taş Z.
Graphs and Linear Algebra, vol.2, no.2024, pp.11-33, 2024 (Peer-Reviewed Journal)
- II. **Domination edge connectivity of graphs**
Aldemir M. Ş., Ediz S., Çiftçi İ., Yamaç K., Taş Z.
Graphs and Linear Algebra, vol.2024, no.2, pp.1-10, 2024 (Scopus)
- III. **On the chemical characteristics of fullerenes as modelled by R index**
Ediz S., Aldemir M. Ş.
International Journal of Computational Materials Science and Engineering, vol.24, no.24, pp.1-9, 2023 (ESCI)
- IV. **On R,S and Van entropies of beta graphene**
Çiftçi İ., Ediz S., Aldemir M. Ş., Yamaç K.
Graphs and Linear Algebra, vol.2023, no.1, pp.20-33, 2023 (Peer-Reviewed Journal)
- V. **A note on vertex-edge degree sombor index of silicate and oxygen networks**
Ediz S., Aldemir M. Ş., Çiftçi İ.
MATI, vol.4, no.2, pp.23-33, 2022 (Peer-Reviewed Journal)
- VI. **A future concern of iterative learning control : A survey**
Riaz S., Hui L., Aldemir M. Ş., Afzal F.
JOURNAL OF STATISTICS & MANAGEMENT SYSTEMS, vol.24, no.6, pp.1301-1322, 2021 (ESCI)
- VII. **A note on QSPR Analysis of Leap Randić index of Octanes**
Aldemir M. Ş., Çiftçi İ.
MATI, vol.3, no.2, pp.18-21, 2021 (Peer-Reviewed Journal)
- VIII. **A note on QSPR analysis of total Zagreb and total Randic Indices of octanes**

- Ediza S., Çiftçi İ., Tas Z., Cancan M., Farahani M. R., Aldemir M. Ş.
EURASIAN CHEMICAL COMMUNICATIONS, vol.3, no.2, pp.139-145, 2021 (ESCI)
- IX. **A Note on QSPR analysis of 3-total Wiener Polarity Index**
Ediz S., Çiftçi İ., Soygüder S., Cancan M., Aldemir M. Ş.
MATI, vol.3, no.1, pp.1-7, 2021 (Peer-Reviewed Journal)
- X. **A note on QSPR Analysis of Leap Randic Index of Octanes**
Aldemir M. Ş., Çiftçi İ.
MATI, vol.3, no.2, pp.18-21, 2021 (Peer-Reviewed Journal)
- XI. **On The F3-domination number of Generalized Peterson Graphs $P(n,1)$ and $P(n,2)$**
Aldemir M. Ş., Çiftçi İ.
MATI, vol.3, no.2, pp.33-39, 2021 (Peer-Reviewed Journal)
- XII. **A note on QSPR analysis of total Zagreb and total Randić Indices of octanes**
EDİZ S., ÇİFTÇİ İ., TAŞ Z., CANSAN M., ALDEMİR M. Ş., FARAHANI M.
Eurasian Chemical Communications, 2021 (Peer-Reviewed Journal)
- XIII. **M-polynomial and degree-based topological indices and line graph of hex board graph**
Amin S., Rehman M. A. U., Aldemir M. Ş., Cancan M., Farahani M. R.
EURASIAN CHEMICAL COMMUNICATIONS, vol.2, no.12, pp.1156-1163, 2020 (ESCI)
- XIV. **M-Polynomial and degree-based topological indices of Hex Board Graph and Line Graph of Hex Board Graph**
Aldemir M. Ş.
Eurasian Chemical Communications, vol.2, no.11, pp.1146-1156, 2020 (ESCI)
- XV. **Multiplicative degree-based topological indices and line graph of hex board graph**
Amin S., Rehman M. A. U., Farahani M. R., Cancan M., Aldemir M. Ş.
EURASIAN CHEMICAL COMMUNICATIONS, vol.2, no.11, pp.1137-1145, 2020 (ESCI)
- XVI. **Multiplicative degree-based topological indices and line graph of hex board graph**
Aldemir M. Ş.
Eurasian Chemical Communications, vol.2, no.11, pp.1137-1145, 2020 (ESCI)
- XVII. **Degree-based topological descriptors of Star of David and Hexagonal Cage networks**
Ali H., Shafiq M. K., Farahani M. R., Cancan M., Aldemir M. Ş.
Eurasian Chemical Communications, vol.2, no.11, pp.1093-1100, 2020 (ESCI)
- XVIII. **New degree-based topological descriptors via m-polynomial of boron α -nanotube**
Aldemir M. Ş.
Eurasian Chemical Communications, vol.2, no.11, pp.1117-1125, 2020 (ESCI)
- XIX. **Some topological descriptors and algebraic polynomials of P_m+FP_m**
Baig A. Q., Amin A., Farahani M. R., Imran M., Cancan M., Aldemir M. Ş.
EURASIAN CHEMICAL COMMUNICATIONS, vol.2, no.10, pp.1072-1081, 2020 (ESCI)
- XX. **Weighted entropy of Zig-Zag chain**
Afzal F., Razaq S., Razaq M. A., Cancan M., Aldemir M. Ş.
EURASIAN CHEMICAL COMMUNICATIONS, vol.2, no.10, pp.1082-1087, 2020 (ESCI)
- XXI. **On Some Ve-Degree and Harmonic Molecular Topological Properties of Carborundum**
Cancan M., Yamaç K., Tas Z., Aldemir M. Ş.
ARO-THE SCIENTIFIC JOURNAL OF KOYA UNIVERSITY, vol.8, no.1, pp.65-73, 2020 (ESCI)
- XXII. **Matih $\text{http://dergipark.gov.tr/mati}$ ISSN:2636-7785Mati 2 (1) (2020), 1–6.A note on the stratified domination number of generalizedplanar Petersen like graphs $P P (n, 2)$**
Aldemir M. Ş.
Mati, vol.2, no.1, pp.1-6, 2020 (Peer-Reviewed Journal)
- XXIII. **ANGULAR GEOMETRIC INDICES**
Aldemir M. Ş., Ediz S., Yamaç K.
MATI, vol.1, no.2, pp.52-57, 2019 (Peer-Reviewed Journal)
- XXIV. **ANGULAR GEOMETRIC INDICES**
Aldemir M. Ş.

- Mati, vol.1, no.2, pp.52-57, 2019 (Peer-Reviewed Journal)
- XXV. **REDUCED SECOND ZAGREB INDEX OF UNICYCLIC GRAPHS**
Aldemir M. Ş.
ADVANCES AND APPLICATIONS IN DISCRETE MATHEMATICS, vol.19, no.2, pp.71-81, 2018 (ESCI)
- XXVI. **On Reverse R Degrees of Vertices and Reverse R Indices of Graphs**
Cancan M., Aldemir M. Ş., Taş Z.
Journal of Computer and Mathematical Sciences, vol.9, no.2, pp.72-78, 2018 (Peer-Reviewed Journal)
- XXVII. **On ve-Degree and ev-Degree Zagreb Indices of Titania Nanotubes**
Cancan M., Aldemir M. Ş.
American Journal of Chemical Engineering, vol.5, no.6, pp.163-168, 2017 (Peer-Reviewed Journal)
- XXVIII. **On the Extremum Numbers of k-Circuits in A Tn Tournament**
Aldemir M. Ş., Bakoğlu H.
Journal of Faculty of Science Ege University, vol.21, no.2, pp.71-77, 1998 (Peer-Reviewed Journal)
- XXIX. **Bir Tn Turnuvasının Hiçbir Spanning Yolları Üzerinde Bulunmayan Ayrıtlarının Sayısı Üzerine**
Aldemir M. Ş.
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.4, no.4, pp.161-163, 1993 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **On the stratified domination number of generalized Petersen graphs**
Aldemir M. Ş., Ediz S., Cancan M.
4th International Conference on Pure and Applied Mathematics (ICPAM Van 2022), Van, Turkey, 22 - 23 June 2022, pp.44
- II. **On Ev-Degree Based Zagreb and Randic Indices of Sierpinski Graphs**
Çiftçi İ., Ediz S., Cancan M., Aldemir M. Ş.
Combinatorics, Cryptography, Computer Science and Computing, Tehran, Iran, 17 - 18 November 2021, pp.60-63
- III. **Ev-degree and ve-degree molecular topological properties of silicon carbide structures**
Aldemir M. Ş., Cancan M., Ediz S.
3rd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2020), Van, Turkey, 3 - 05 September 2020, vol.1, pp.33
- IV. **Ev-degree and ve degree molecular topological properties of silicon carbide structures**
Aldemir M. Ş., Cancan M., Ediz S.
İCPAM-2020, 3 - 05 September 2021, vol.0, no.0, pp.33
- V. **A Statistical Comparison of Randic and Angular Geometric Randic Indices**
Aldemir M. Ş.
Data Science Machine Learning Statistics, Van, Turkey, 26 - 29 July 2019, pp.1
- VI. **On ve-degrees in direct and strong products of two graphs**
Ediz S., Cancan M., Aldemir M. Ş.
2nd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2018), Van, Turkey, 11 - 13 September 2018, pp.72
- VII. **On ve-degrees in cartesian products of two graphs**
Cancan M., Ediz S., Aldemir M. Ş.
2nd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2018), Van, Turkey, 11 - 13 September 2018, pp.63
- VIII. **On eccentricity based indices of generalized Peterson graphs**
Aldemir M. Ş., Manguri A. K. A.
ICPAM-VAN 2018, Van, Turkey, 11 - 13 September 2018, pp.43
- IX. **On Stratified Domination and Zagreb Indices**
Aldemir M. Ş., Manguri A. K. A.
ICPAM-VAN 2018, Van, Turkey, 11 - 13 September 2018, pp.44

- X. **On ve-degrees in direct and strong products of two graphs**
Cancan M., Ediz S., Aldemir M. Ş.
International Conference On Pure And Applied Mathematics-ICPAM VAN-2018, Van, Turkey, 11 - 14 September 2018, pp.62
- XI. **Reduced second Zagreb index of unicyclic graphs**
Aldemir M. Ş.
Caucasian Mathematics Conference II, Van, Turkey, 22 - 24 August 2017, pp.1
- XII. **Bir Turnuvanın spanning yol ve k-çevrelerinin ekstremum sayıları**
Aldemir M. Ş.
3. Ulusal Matematik Sempozyumu VAN, Van, Turkey, 1 - 05 September 1990, vol.0, no.0

Metrics

Publication: 43
Citation (WoS): 14
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H-Index (WoS): 2
H-Index (Scopus): 3