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Research Areas

Computer Sciences, Engineering and Technology

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Blockchain for genomics and healthcare: a literature review, current status, classification and open issues**
ADANUR DEDETÜRK B., SORAN A., Bakir-Gungor B.
PEERJ, vol.9, 2021 (Journal Indexed in SCI)
- II. **Discovering Potential Taxonomic Biomarkers of Type 2 Diabetes From Human Gut Microbiota via Different Feature Selection Methods**
Bakir-Gungor B., Bulut O., Jabeer A., NALBANTOĞLU Ö. U. , Yousef M.
FRONTIERS IN MICROBIOLOGY, vol.12, 2021 (Journal Indexed in SCI)
- III. **miRcorrNet: machine learning-based integration of miRNA and mRNA expression profiles, combined with feature grouping and ranking**
Yousef M., GÖY G., Mitra R., Eischen C. M. , Jabeer A., Bakir-Gungor B.
PEERJ, vol.9, 2021 (Journal Indexed in SCI)
- IV. **Statistical and Machine Learning Techniques in Human Microbiome Studies: Contemporary Challenges and Solutions**
Moreno-Indias I., Lahti L., Nedyalkova M., Elbere I., Roshchupkin G., Adilovic M., AYDEMİR Ö., Bakir-Gungor B., Santa Pau E. C. , D'Elia D., et al.
FRONTIERS IN MICROBIOLOGY, vol.12, 2021 (Journal Indexed in SCI)
- V. **Application of Biological Domain Knowledge Based Feature Selection on Gene Expression Data**
Yousef M., Kumar A., Bakir-Gungor B.
ENTROPY, vol.23, no.1, 2021 (Journal Indexed in SCI)
- VI. **Multi fragment melting analysis system (MFMAS) for one-step identification of lactobacilli**
KESMEN Z., Kilic O., GÖRMEZ Y., ÇELİK M., Bakir-Gungor B.
JOURNAL OF MICROBIOLOGICAL METHODS, vol.177, 2020 (Journal Indexed in SCI)
- VII. **Active Subnetwork GA: A Two Stage Genetic Algorithm Approach to Active Subnetwork Search**
ÖZİŞİK O., Bakir-Gungor B., DİRİ B., Sezerman O. U.
CURRENT BIOINFORMATICS, vol.12, no.4, pp.320-328, 2017 (Journal Indexed in SCI)
- VIII. **'Epistatic interactions between autoimmunity and genetic thrombophilia' Reply**
Bakir-Gungor B., REMMERS E. F. , MEGURO A., MIZUKI N., KASTNER D. L. , Gül A., Sezerman O. U.
EUROPEAN JOURNAL OF HUMAN GENETICS, vol.23, no.10, pp.1279-1280, 2015 (Journal Indexed in SCI)
- IX. **Identification of possible pathogenic pathways in Behcet's disease using genome-wide association study data from two different populations**
Bakir-Gungor B., REMMERS E. F. , MEGURO A., MIZUKI N., KASTNER D. L. , Gül A., Sezerman O. U.
EUROPEAN JOURNAL OF HUMAN GENETICS, vol.23, no.5, pp.678-687, 2015 (Journal Indexed in SCI)
- X. **PANOGA: a web server for identification of SNP-targeted pathways from genome-wide association**

study data

Bakir-Gungor B., Egemen E., Sezerman O. U.

BIOINFORMATICS, vol.30, no.9, pp.1287-1289, 2014 (Journal Indexed in SCI)

XI. **HomSI: a homozygous stretch identifier from next-generation sequencing data**

GORMEZ Z., Bakir-Gungor B., SAGIROGLU M. S.

BIOINFORMATICS, vol.30, no.3, pp.445-447, 2014 (Journal Indexed in SCI)

XII. **Identifying SNP targeted pathways in partial epilepsies with genome-wide association study data**

Bakir-Gungor B., BAYKAN B., Iseri S. U. , Tuncer F. N. , Sezerman O. U.

EPILEPSY RESEARCH, vol.105, pp.92-102, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Correlation of PAPP-A values with maternal characteristics, biochemical and ultrasonographic markers of pregnancy**

Kaymakcalan H., Uzut O. G. , Harkonen J., Bakir Gungor B.

MARMARA MEDICAL JOURNAL, vol.34, no.1, pp.18-23, 2021 (Journal Indexed in ESCI)

II. **Classification of Cardiovascular Artery Diseases Using Artificial Neural Network**

HACILAR H., GÖRMEZ Y., GÜNGÖR B., Gezer C., AYDIN Z., GÜNGÖR V. Ç.

International Journal of Bioscience, Biochemistry and Bioinformatics, vol.10, no.1, pp.34-41, 2020 (Refereed Journals of Other Institutions)

III. **Weighted Association Rules and Scoring Methodology for Cardiovascular Diseases**

Göy G., Kolukisa B., Güngör B., Uğur İ., Güngör V. Ç.

International Journal of Bioscience, Biochemistry and Bioinformatics, vol.9, no.4, pp.222-230, 2019 (Refereed Journals of Other Institutions)

IV. **Diagnosis of Coronary Heart Disease via Classification Algorithms and a New Feature Selection Methodology**

KOLUKISA B., Hacilar H., GÖY G., Kuş M., GÜNGÖR B., ARAL A., GÜNGÖR V. Ç.

International Journal of Data Mining Science, vol.1, no.1, pp.8-15, 2019 (Refereed Journals of Other Institutions)

V. **Identification of SNP Targeted Pathways From Genome wide Association Study GWAS Data**

GÜNGÖR B., Osman Ugur S.

Nature Protocol Exchange, 2012 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. **SVM-RCE-R-OPT: Optimization of Scoring Function for SVM-RCE-R**

Yousef M., Jabeer A., Bakir-Gungor B.

32nd International Conference on Database and Expert Systems Applications (DEXA), ELECTR NETWORK, 27 - 30 September 2021, vol.1479, pp.215-224

II. **Integrating Gene Ontology Based Grouping and Ranking into the Machine Learning Algorithm for Gene Expression Data Analysis**

Yousef M., Sayici A., Bakir-Gungor B.

32nd International Conference on Database and Expert Systems Applications (DEXA), ELECTR NETWORK, 27 - 30 September 2021, vol.1479, pp.205-214

III. **The identification of affected pathway subnetworks and pathway clusters in colon cancer**

GÖY G., ÜNLÜ M., GÜNGÖR B.

Advances in Computational Biology Conference, Barcelona, Spain, 28 - 29 November 2019

IV. **A New Method to Identify Affected Pathway Subnetworks and Clusters in Colon Cancer**

GÖY G., ÜNLÜ M., GÜNGÖR B.

2019 4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, Turkey, 11 -

15 September 2019

- V. **Kolon kanserinde etkilenen genlerin ve yolakların omik veri entegrasyonu ile in silico yöntemler kullanılarak belirlenmesi**
ÜNLÜ M., GÜNGÖR B.
Onkolojde İz Birakanlar Zirvesi, Antalya, Turkey, 14 - 16 November 2019
- VI. **Performance Evaluations of Active Subnetwork Search Methods in Protein-Protein Interaction Networks Protein-Protein Etkileşim Ağlarında Aktif Alt Ağ Arama Yöntemlerinin Performans Değerlendirmeleri**
GÜNER P., GÜNGÖR B.
4th International Conference on Computer Science and Engineering, UBMK 2019, Samsun, Turkey, 11 - 15 September 2019, pp.650-655
- VII. **In-Silico Methods to Identify Common MicroRNAs and Pathways of Neuromuscular Diseases**
ÜNLÜ M., AKSU E., AKKAYA ULUM Z. Y. , HAYTA B., GÜNGÖR B.
2019 27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, Turkey, 24 - 26 April 2019
- VIII. **In-silico Identification of Papillary Thyroid Carcinoma Molecular Mechanisms**
Ersöz N. Ş. , GÜZEL Y., GÜNGÖR B.
27th Signal Processing and Communications Applications Conference (SIU 2019), 24 - 26 April 2019
- IX. **Dört Farklı Kanser Tipine Duyarlı Genlerle İlişkili Fonksiyonel İnteraktomların Karşılaştırmalı Çalışması**
ÜNLÜ M., GÜNGÖR B.
Boğaz'da Yapay Öğrenme İsmail Arı Yaz Okulu 2018, İstanbul, Turkey, 2 - 05 July 2019
- X. **Weighted Association Rules and Scoring Methodology for Cardiovascular Diseases**
GÖY G., KOLUKISA B., GÜNGÖR B., Uğur İ., GÜNGÖR V. Ç.
3rd Int. Conference on Information System and Data Mining (ICISDM 2019), Texas, United States Of America, 6 - 08 April 2019
- XI. **Coronary Artery Disease Diagnosis Using Optimized Adaptive Ensemble Machine Learning Algorithm**
KOLUKISA B., YAVUZ L., SORAN A., GÜNGÖR B., Tuncer D., ÖNEN A., GÜNGÖR V. Ç.
3rd Int. Conference on Information System and Data Mining (ICISDM 2019), Texas, United States Of America, 6 - 08 April 2019
- XII. **Classification of Cardiovascular Artery Diseases based on Deep Neural Network**
Hacılar H., GÖRMEZ Y., GÜNGÖR B., Gezer C., AYDIN Z., GÜNGÖR V. Ç.
3rd Int. Conference on Information System and Data Mining (ICISDM 2019), Texas, United States Of America, 6 - 08 April 2019
- XIII. **The relationship between PAPP-A levels, maternal characteristics, demographics, gestational diabetes and other biochemical markers of the aneuploidy screening**
UZUT Ö. G. , KAYMAKÇALAN ÇELEBİLER H., HARKONEN J., GÜNGÖR B.
International Conference on Computer Sciences and Engineering (UBMK), 20 - 23 September 2018
- XIV. **The Identification of Discriminative Single Nucleotide Polymorphisms for the Classification of Behçets Disease**
GÖRMEZ Y., IŞIK Y. E. , GÜNGÖR B.
International Conference on Computer Science and Engineering (UBMK), 20 - 23 September 2018
- XV. **Paths Toward the Comprehensive Functional Enrichment of Multi-omics Data**
GÜNGÖR B.
EpiSyStem: Bioinformatics Workshop, 11 - 14 November 2018
- XVI. **The relationship between PAPP-A levels, maternal characteristics, gestational diabetes and other biochemical markers of the aneuploidy screening**
Uzut O. G. , Celebiler H. K. , Harkonen J., Bakir-Gungor B.
3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina, 20 - 23 September 2018, pp.448-452
- XVII. **Machine Learning Analysis of Inflammatory Bowel Disease-Associated Metagenomics Dataset**

Hacilar H., NALBANTOĞLU Ö. U. , Bakir-Gungor B.

3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina, 20 - 23 September 2018, pp.434-438

XVIII. Comparison of Disease Specific Sub-Network Identification Programs

Adanur B., GÜNGÖR B.

3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina, 20 - 23 September 2018, pp.275-280

XIX. Identify Commonly Affected Pathways in Psychiatric Diseases

Bulut U., Bakir-Gungor B.

3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina, 20 - 23 September 2018, pp.308-311

XX. The Identification of Discriminative Single Nucleotide Polymorphism Sets for the Classification of Behcet's Disease

GÖRMEZ Y., IŞIK Y. E. , Bakir-Gungor B.

3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina, 20 - 23 September 2018, pp.443-447

XXI. Common miRNA signatures in a group of rare neuromuscular disorders

AKSU E., AKKAYA ULUM Z. Y. , PEYNİRCİOĞLU B., DAYANGAÇ ERDEN D., YÜZBAŞIOĞLU A., GÜNGÖR B., TALİM B., HAYTA B.

43rd FEBS 2018 Congress, 7 - 12 July 2018

XXII. GWAS Analizi ve Kompleks Hastalıklarda Etkilenen Yolakların Belirlenmesi

GÜNGÖR B.

Tıbbi Biyoloji ve Genetik Kongresi, Biyoinformatik 'Omik' Veri Analiz Yöntemleri ve Kişisel Tıp Uygulamaları, Muğla, Turkey, 26 - 30 October 2015, pp.1

XXIII. The Identification of Pathway Markers in Behcet'xs Disease Using Genomewide Association Data From Two Different Populations.

GÜNGÖR B., GÜL A., SEZERMAN O. U.

ARTHRITIS AND RHEUMATISM, Washington, Kiribati, 9 - 14 November 2012, vol.64, pp.434-435

Citations

Total Citations (WOS):61

h-index (WOS):4