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Research Areas

bioinformatics, Computer Learning

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Noncoding RNA circuitry in melanoma onset, plasticity, and therapeutic response**
Grafanaki K., Grammatikakis I., Ghosh A., Gopalan V., Olgun G., Liu H., Kyriakopoulos G. C., Skeparnias I., Georgiou S., Stathopoulos C., et al.
Pharmacology and Therapeutics, vol.248, 2023 (SCI-Expanded)
- II. **miRSCAPE - inferring miRNA expression from scRNA-seq data**
Olgun G., Gopalan V., Hannenhalli S.
iScience, vol.25, no.9, 2022 (SCI-Expanded)
- III. **A Path-Based Analysis of Infected Cell Line and COVID-19 Patient Transcriptome Reveals Novel Potential Targets and Drugs Against SARS-CoV-2**
Agrawal P., Sambaturu N., Olgun G., Hannenhalli S.
Frontiers in Immunology, vol.13, 2022 (SCI-Expanded)
- IV. **miRCoop: Identifying Cooperating miRNAs via Kernel Based Interaction Tests**
Olgun G., Tastan O.
IEEE/ACM Transactions on Computational Biology and Bioinformatics, vol.19, no.3, pp.1760-1771, 2022 (SCI-Expanded)
- V. **NoRCE: non-coding RNA sets cis enrichment tool**
Olgun G., Nabi A., Tastan O.
BMC Bioinformatics, vol.22, no.1, 2021 (SCI-Expanded)
- VI. **Discovering lncRNA mediated sponge interactions in breast cancer molecular subtypes**
Olgun G., Sahin O., Tastan O.
BMC Genomics, vol.19, no.1, 2018 (SCI-Expanded)
- VII. **Local Object Patterns for the Representation and Classification of Colon Tissue Images**
Olgun G., SÖKMENSÜER C., GÜNDÜZ DEMİR Ç.
IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS, vol.18, no.4, pp.1390-1396, 2014 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Functional Enrichment Analysis of Deregulated Long Non-Coding RNAs in Cancer Based on their Genomic Neighbors

Olgun G., Tastan O.

11th ACM International Conference on Bioinformatics, Computational Biology and Health Informatics, BCB 2020, Virtual, Online, United States Of America, 21 - 24 September 2020

II. GRAPH WALKS FOR CLASSIFICATION OF HISTOPATHOLOGICAL IMAGES

Olgun G., SÖKMENSÜER C., GÜNDÜZ DEMİR Ç.

IEEE 10th International Symposium on Biomedical Imaging - From Nano to Macro (ISBI), San-Francisco, Costa Rica, 7 - 11 April 2013, pp.1126-1129