# Zeynep H GÃ¼mÃ¼s

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5919663/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 65 papers | 6,659 citations | 201674 27 h-index | 182427 51 g-index |
| 86 all docs | 86 docs citations | 86 times ranked | 16256 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Brave New World: Virtual Reality and Augmented Reality in Systems Biology. Frontiers in Bioinformatics, 2022, 2, . | 2.1 | 2 |
| 2 | Germline Pathogenic Variants Impact Clinicopathology of Advanced Lung Cancer. Cancer Epidemiology Biomarkers and Prevention, 2022, 31, 1450-1459. | 2.5 | 10 |
| 3 | SNPs at SMG7 associated with time from biochemical recurrence to prostate cancer death. Cancer Epidemiology Biomarkers and Prevention, 2022, , . | 2.5 | 1 |
| 4 | Brain aging is faithfully modelled in organotypic brain slices and accelerated by prions. Communications Biology, 2022, 5, . | 4.4 | 1 |
| 5 | Functional Common and Rare ERBB2 Germline Variants Cooperate in Familial and Sporadic Cancer Susceptibility. Cancer Prevention Research, 2021, 14, 441-454. | 1.5 | 0 |
| 6 | Generation of TRAIL-resistant cell line models reveals distinct adaptive mechanisms for acquired resistance and re-sensitization. Oncogene, 2021, 40, 3201-3216. | 5.9 | 5 |
| 7 | Novel ultra-rare exonic variants identified in a founder population implicate cadherins in schizophrenia. Neuron, 2021, 109, 1465-1478.e4. | 8.1 | 21 |
| 8 | A proteogenomic portrait of lung squamous cell carcinoma. Cell, 2021, 184, 4348-4371.e40. | 28.9 | 170 |
| 9 | Integrated Proteogenomic Characterization across Major Histological Types of Pediatric Brain Cancer. Cell, 2020, 183, 1962-1985.e31. | 28.9 | 177 |
| 10 | Inherited Rare, Deleterious Variants in ATM Increase Lung Adenocarcinoma Risk. Journal of Thoracic Oncology, 2020, 15, 1871-1879. | 1.1 | 24 |
| 11 | Comprehensive Immunoprofiling of Pediatric Zika Reveals Key Role for Monocytes in the Acute Phase and No Effect of Prior Dengue Virus Infection. Cell Reports, 2020, 31, 107569. | 6.4 | 43 |
| 12 | ProNetViewâ€ccRCC: A Webâ€Based Portal to Interactively Explore Clear Cell Renal Cell Carcinoma Proteogenomics Networks. Proteomics, 2020, 20, e2000043. | 2.2 | 6 |
| 13 | Ancestry-specific predisposing germline variants in cancer. Genome Medicine, 2020, 12, 51. | 8.2 | 35 |
| 14 | Immunology of COVID-19: Current State of the Science. Immunity, 2020, 52, 910-941. | 14.3 | 1,387 |
| 15 | Proteogenomic Characterization Reveals Therapeutic Vulnerabilities in Lung Adenocarcinoma. Cell, 2020, 182, 200-225.e35. | 28.9 | 410 |
| 16 | Comparative effects of oncogenic mutations G12C, G12V, G13D, and Q61H on local conformations and dynamics of K-Ras. Computational and Structural Biotechnology Journal, 2020, 18, 1000-1011. | 4.1 | 33 |
| 17 | Oncogenic G12D mutation alters local conformations and dynamics of K-Ras. Scientific Reports, 2019, 9, 11730. | 3.3 | 46 |
| 18 | Integrated Proteogenomic Characterization of Clear Cell Renal Cell Carcinoma. Cell, 2019, 179, 964-983.e31. | 28.9 | 430 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Dynamical Rearrangement of Human Epidermal Growth Factor Receptor 2 upon Antibody Binding: Effects on the Dimerization. Biomolecules, 2019, 9, 706. | 4.0 | 6 |
| 20 | ImmuneRegulation: a web-based tool for identifying human immune regulatory elements. Nucleic Acids Research, 2019, 47, W142-W150. | 14.5 | 4 |
| 21 | Identification of SERPINE1 as a Regulator of Glioblastoma Cell Dispersal with Transcriptome Profiling. Cancers, 2019, 11, 1651. | 3.7 | 43 |
| 22 | Rare, Pathogenic Germline Variants in Fanconi Anemia Genes Increase Risk for Squamous Lung Cancer. Clinical Cancer Research, 2019, 25, 1517-1525. | 7.0 | 31 |
| 23 | Ancestral reconstruction reveals mechanisms of ERK regulatory evolution. ELife, 2019, 8, . | 6.0 | 24 |
| 24 | Exploring Biological Networks in 3D, Stereoscopic 3D, and Immersive 3D with iCAVE. Current Protocols in Bioinformatics, 2018, 61, 8.27.1-8.27.26. | 25.8 | 6 |
| 25 | High-depth whole genome sequencing of an Ashkenazi Jewish reference panel: enhancing sensitivity, accuracy, and imputation. Human Genetics, 2018, 137, 343-355. | 3.8 | 24 |
| 26 | Identifying Causality in Mutant KRas Residue Pairs from Molecular Dynamics Data Analysis. Biophysical Journal, 2018, 114, 397a. | 0.5 | 1 |
| 27 | Comprehensive functional genomic resource and integrative model for the human brain. Science, 2018, 362, . | 12.6 | 618 |
| 28 | Landscape of Conditional eQTL in Dorsolateral Prefrontal Cortex and Co-localization with Schizophrenia GWAS. American Journal of Human Genetics, 2018, 102, 1169-1184. | 6.2 | 128 |
| 29 | Spoton: A Machine-Learning Approach for Hot-Spot Determination. Biophysical Journal, 2017, 112, 45a. | 0.5 | 0 |
| 30 | iCAVE: an open source tool for visualizing biomolecular networks in 3D, stereoscopic 3D and immersive 3D. GigaScience, 2017, 6, 1-13. | 6.4 | 21 |
| 31 | SpotOn: High Accuracy Identification of Protein-Protein Interface Hot-Spots. Scientific Reports, 2017, 7, 8007. | 3.3 | 77 |
| 32 | KDM2B, an H3K36-specific demethylase, regulates apoptotic response of GBM cells to TRAIL. Cell Death and Disease, 2017, 8, e2897-e2897. | 6.3 | 26 |
| 33 | Germline and Somatic Smoothened Mutations in Nonâ€“Small-Cell Lung Cancer Are Potentially Responsive to Hedgehog Inhibitor Vismodegib. JCO Precision Oncology, 2017, 1, 1-10. | 3.0 | 3 |
| 34 | Inhibition of colorectal cancer genomic copy number alterations and chromosomal fragile site tumor suppressor FHIT and WWOX deletions by DNA mismatch repair. Oncotarget, 2017, 8, 71574-71586. | 1.8 | 6 |
| 35 | Response of germline and somatic smoothened (SMO) mutations in non-small cell lung cancer (NSCLC) to hedgehog inhibitor vismodegib.. Journal of Clinical Oncology, 2017, 35, 9062-9062. | 1.6 | 3 |
| 36 | A Machine Learning Approach for Hot-Spot Detection at Protein-Protein Interfaces. International Journal of Molecular Sciences, 2016, 17, 1215. | 4.1 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | DRES-12. PROFILING OF DIFFERENT GBM CELL POPULATIONS WITH VARYING APOPTOTIC THRESHOLDS IDENTIFIES IGFBP-2 AS AÂNOVEL MEDIATOR OF TRAIL RESISTANCE. Neuro-Oncology, 2016, 18, vi54-vi54. | 1.2 | 0 |
| 38 | Gene expression elucidates functional impact of polygenic risk for schizophrenia. Nature Neuroscience, 2016, 19, 1442-1453. | 14.8 | 952 |
| 39 | Intrinsic K-Ras dynamics: A novel molecular dynamics data analysis method shows causality between residue pair motions. Scientific Reports, 2016, 6, 37012. | 3.3 | 26 |
| 40 | A Novel Genetic Variant in Long Non-coding RNA Gene NEXN-AS1 is Associated with Risk of Lung Cancer. Scientific Reports, 2016, 6, 34234. | 3.3 | 48 |
| 41 | ANGI-08. IDENTIFICATION OF NOVEL MOLECULAR PLAYERS OF GBM CELL DISPERSAL THROUGH AN IN VITRO PROFILING APPROACH. Neuro-Oncology, 2016, 18, vi16-vi16. | 1.2 | 0 |
| 42 | Comprehensive models of human primary and metastatic colorectal tumors in immunodeficient and immunocompetent mice by chemokine targeting. Nature Biotechnology, 2015, 33, 656-660. | 17.5 | 30 |
| 43 | EPIG-01THE FUNCTION OF CHROMATIN-MODIFYING ENZYMES IN GBM CELL APOPTOSIS. Neuro-Oncology, 2015, 17, v86.1-v86. | 1.2 | 0 |
| 44 | CBIO-08IGFBP2 IS A NOVEL MOLECULAR DETERMINANT IN TRAIL-RESISTANT SUBPOPULATIONS OF GBM CELL LINES. Neuro-Oncology, 2015, 17, v56.3-v56. | 1.2 | 0 |
| 45 | miR-1269 promotes metastasis and forms a positive feedback loop with TGF-Î². Nature Communications, 2015, 6, 6879. | 12.8 | 110 |
| 46 | Integrative Annotation of Variants from 1092 Humans: Application to Cancer Genomics. Science, 2013, 342, 1235587. | 12.6 | 341 |
| 47 | A microRNA miR-34a-Regulated Bimodal Switch Targets Notch in Colon Cancer Stem Cells. Cell Stem Cell, 2013, 12, 602-615. | 11.1 | 325 |
| 48 | Rapid Temporal Changes in the Expression of a Set of Neuromodulatory Genes During Alcohol Withdrawal in the Dorsal Vagal Complex: Molecular Evidence of Homeostatic Disturbance. Alcoholism: Clinical and Experimental Research, 2012, 36, 1688-1700. | 2.4 | 32 |
| 49 | miR-23a Promotes the Transition from Indolent to Invasive Colorectal Cancer. Cancer Discovery, 2012, 2, 540-553. | 9.4 | 132 |
| 50 | Resistance/Response Molecular Signature for Oral Tongue Squamous Cell Carcinoma. Disease Markers, 2012, 32, 51-64. | 1.3 | 28 |
| 51 | Chemokine 25â€“induced signaling suppresses colon cancer invasion and metastasis. Journal of Clinical Investigation, 2012, 122, 3184-3196. | 8.2 | 67 |
| 52 | Resistance/response molecular signature for oral tongue squamous cell carcinoma. Disease Markers, 2012, 32, 51-64. | 1.3 | 11 |
| 53 | Abstract 4911: Molecular investigation of the FTI/Taxol synergy using an integrated framework of transcriptome analysis. , 2011, , . | | 0 |
| 54 | Effects of Cigarette Smoke on the Human Oral Mucosal Transcriptome. Cancer Prevention Research, 2010, 3, 266-278. | 1.5 | 146 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Quantification and Analysis of Combination Drug Synergy in High-Throughput Transcriptome Studies. , 2010, , . | | 0 |
| 56 | Abstract 115: An integrated framework of transcriptome analysis leads to mechanistic insights into the FTI/Taxol synergy. , 2010, , . | | 0 |
| 57 | Towards a quantitative representation of the cell signaling mechanisms of hallucinogens: Measurement and mathematical modeling of 5-HT1A and 5-HT2A receptor-mediated ERK1/2 activation. Neuropharmacology, 2009, 56, 213-225. | 4.1 | 25 |
| 58 | Effects of Tobacco Smoke on Gene Expression and Cellular Pathways in a Cellular Model of Oral Leukoplakia. Cancer Prevention Research, 2008, 1, 100-111. | 1.5 | 54 |
| 59 | Bilevel Programming: Applications in Engineering. , 2008, , 243-248. | | 0 |
| 60 | Mixed Integer Nonlinear Bilevel Programming: Deterministic Global Optimization. , 2008, , 2225-2230. | | 0 |
| 61 | Global optimization of mixed-integer bilevel programming problems. Computational Management Science, 2005, 2, 181-212. | 1.3 | 109 |
| 62 | Nonlinear bilevel programming: A deterministic global optimization framework. Computer Aided Chemical Engineering, 2001, 9, 393-400. | 0.5 | 0 |
| 63 | Global Optimization in Design under Uncertainty:Â Feasibility Test and Flexibility Index Problems. Industrial & Engineering Chemistry Research, 2001, 40, 4267-4282. | 3.7 | 136 |
| 64 | Global Optimization of Nonlinear Bilevel Programming Problems. Journal of Global Optimization, 2001, 20, 1-31. | 1.8 | 125 |
| 65 | Reactive distillation column design with vapor/liquid/liquid equilibria. Computers and Chemical Engineering, 1997, 21, S983-S988. | 3.8 | 22 |