

# Matthew D Wilkerson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8486742/publications.pdf>

Version: 2024-02-01

38  
papers

6,443  
citations

430754

18  
h-index

360920

35  
g-index

40  
all docs

40  
docs citations

40  
times ranked

15626  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Comprehensive Characterization of Cancer Driver Genes and Mutations. <i>Cell</i> , 2018, 173, 371-385.e18.   | 13.5 | 1,670     |
| 2  | Comprehensive Molecular Portraits of Invasive Lobular Breast Cancer. <i>Cell</i> , 2015, 163, 506-519.   | 13.5 | 1,485     |
| 3  | Proteogenomics connects somatic mutations to signalling in breast cancer. <i>Nature</i> , 2016, 534, 55-62.  | 13.7 | 1,384     |
| 4  | Comprehensive Molecular Characterization of Pheochromocytoma and Paraganglioma. <i>Cancer Cell</i> , 2017, 31, 181-193.  | 7.7  | 532       |
| 5  | Integrative genomic profiling of large-cell neuroendocrine carcinomas reveals distinct subtypes of high-grade neuroendocrine lung tumors. <i>Nature Communications</i> , 2018, 9, 1048.                                    | 5.8  | 254       |
| 6  | Coexistent ARID1A and PIK3CA mutations promote ovarian clear-cell tumorigenesis through pro-tumorigenic inflammatory cytokine signalling. <i>Nature Communications</i> , 2015, 6, 6118.                                    | 5.8  | 247       |
| 7  | ABRA: improved coding indel detection via assembly-based realignment. <i>Bioinformatics</i> , 2014, 30, 2813-2815.   | 1.8  | 140       |
| 8  | Integrated RNA and DNA sequencing improves mutation detection in low purity tumors. <i>Nucleic Acids Research</i> , 2014, 42, e107-e107.   | 6.5  | 76        |
| 9  | Factor XIII expressing inflammatory monocytes promote lung squamous cancer through fibrin cross-linking. <i>Nature Communications</i> , 2018, 9, 1988.   | 5.8  | 69        |
| 10 | Molecular Analysis of Clinically Defined Subsets of High-Grade Serous Ovarian Cancer. <i>Cell Reports</i> , 2020, 31, 107502.  | 2.9  | 69        |
| 11 | Alterations of LKB1 and KRAS and risk of brain metastasis: Comprehensive characterization by mutation analysis, copy number, and gene expression in non-small-cell lung carcinoma. <i>Lung Cancer</i> , 2014, 86, 255-261. | 0.9  | 64        |
| 12 | Subtyping sub-Saharan esophageal squamous cell carcinoma by comprehensive molecular analysis. <i>JCI Insight</i> , 2016, 1, e88755.  | 2.3  | 51        |
| 13 | Association of Variants in the <i>SPTLC1</i> Gene With Juvenile Amyotrophic Lateral Sclerosis. <i>JAMA Neurology</i> , 2021, 78, 1236.   | 4.5  | 46        |
| 14 | Cafeteria diet-induced obesity causes oxidative damage in white adipose. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 545-550.  | 1.0  | 44        |
| 15 | Combined Targeted DNA Sequencing in Non-Small Cell Lung Cancer (NSCLC) Using UNCseq and NGScopy, and RNA Sequencing Using UNCqer for the Detection of Genetic Aberrations in NSCLC. <i>PLoS ONE</i> , 2015, 10, e0129280.  | 1.1  | 36        |
| 16 | DNA defects, epigenetics, and gene expression in cancer-adjacent breast: a study from The Cancer Genome Atlas. <i>Npj Breast Cancer</i> , 2016, 2, 16007.  | 2.3  | 33        |
| 17 | Personalized Single-Cell Proteogenomics to Distinguish Acute Myeloid Leukemia from Nonmalignant Clonal Hematopoiesis. <i>Blood Cancer Discovery</i> , 2021, 2, 319-325.  | 2.6  | 24        |
| 18 | Neonatal mouse cortical but not isogenic human astrocyte feeder layers enhance the functional maturation of induced pluripotent stem cell-derived neurons in culture. <i>Glia</i> , 2018, 66, 725-748.                     | 2.5  | 23        |

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|----|---|-----|-----------|
| 19 | Identification of a Robust Methylation Classifier for Cutaneous Melanoma Diagnosis. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1349-1361.   | 0.3 | 23        |
| 20 | BlackOPs: increasing confidence in variant detection through mappability filtering. <i>Nucleic Acids Research</i> , 2013, 41, e178-e178.  | 6.5 | 19        |
| 21 | Identification of a pathogenic intronic KIF5A mutation in an ALS-FTD kindred. <i>Neurology</i> , 2020, 95, 1015-1018.   | 1.5 | 19        |
| 22 | SigFuge: single gene clustering of RNA-seq reveals differential isoform usage among cancer samples. <i>Nucleic Acids Research</i> , 2014, 42, e113-e113.  | 6.5 | 17        |
| 23 | Chromaffin cell biology: inferences from The Cancer Genome Atlas. <i>Cell and Tissue Research</i> , 2018, 372, 339-346.   | 1.5 | 17        |
| 24 | Region- and time-dependent gene regulation in the amygdala and anterior cingulate cortex of a PTSD-like mouse model. <i>Molecular Brain</i> , 2019, 12, 25.   | 1.3 | 16        |
| 25 | Neuroinflammatory astrocytes generated from cord blood-derived human induced pluripotent stem cells. <i>Journal of Neuroinflammation</i> , 2019, 16, 164.   | 3.1 | 14        |
| 26 | Tsc2 disruption in mesenchymal progenitors results in tumors with vascular anomalies overexpressing Lgals3. <i>ELife</i> , 2017, 6, .   | 2.8 | 13        |
| 27 | Transcriptomic Analysis of Mouse Brain After Traumatic Brain Injury Reveals That the Angiotensin Receptor Blocker Candesartan Acts Through Novel Pathways. <i>Frontiers in Neuroscience</i> , 2021, 15, 636259.           | 1.4 | 13        |
| 28 | Digitoxin Inhibits Epithelial-to-Mesenchymal-Transition in Hereditary Castration Resistant Prostate Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 630.  | 1.3 | 11        |
| 29 | Germline mutation landscape of DNA damage repair genes in African Americans with prostate cancer highlights potentially targetable RAD genes. <i>Nature Communications</i> , 2022, 13, 1361.                              | 5.8 | 8         |
| 30 | Sleep Deprivation Alters the Pituitary Stress Transcriptome in Male and Female Mice. <i>Frontiers in Endocrinology</i> , 2019, 10, 676.   | 1.5 | 7         |
| 31 | MutEnricher: a flexible toolset for somatic mutation enrichment analysis of tumor whole genomes. <i>BMC Bioinformatics</i> , 2020, 21, 338.   | 1.2 | 6         |
| 32 | Distinguishing Smoking-Related Lung Disease Phenotypes Via Imaging and Molecular Features. <i>Chest</i> , 2021, 159, 549-563.   | 0.4 | 6         |
| 33 | Validation of the Lung Subtyping Panel in Multiple Fresh-Frozen and Formalin-Fixed, Paraffin-Embedded Lung Tumor Gene Expression Data Sets. <i>Archives of Pathology and Laboratory Medicine</i> , 2016, 140, 536-542.    | 1.2 | 4         |
| 34 | Rare variant association study of veteran twin whole-genomes links severe depression with a nonsynonymous change in the neuronal gene <i>BHLHE22</i> . <i>World Journal of Biological Psychiatry</i> , 2022, 23, 295-306. | 1.3 | 1         |
| 35 | Whole-Genome Sequencing Identifies PPARCC1A as a Putative Modifier of Cancer Risk in BRCA1/2 Mutation Carriers. <i>Cancers</i> , 2022, 14, 2350.  | 1.7 | 1         |
| 36 | A Computational Protocol for Detecting Somatic Mutations by Integrating DNA and RNA Sequencing. <i>Methods in Molecular Biology</i> , 2019, 1878, 109-124.  | 0.4 | 0         |

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|----|--|-----|-----------|
| 37 | Tensin 1 ( <i>TNS1</i> ) is a modifier gene for low body mass index (BMI) in homozygous [ <i>F508del</i> ]CFTR patients. <i>Physiological Reports</i> , 2021, 9, e14886. | 0.7 | 0         |
| 38 | Abstract 2074: Germline mutation landscape of all DNA repair genes in African American prostate cancer patients. , 2021, , .   |     | 0         |