

# Matthew D Eldridge

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

3,892  
citations

331670

21  
h-index

434195

31  
g-index

39  
all docs

39  
docs citations

39  
times ranked

7604  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Enhanced detection of circulating tumor DNA by fragment size analysis. <i>Science Translational Medicine</i> , 2018, 10, .   | 12.4 | 670       |
| 2  | A Biobank of Breast Cancer Explants with Preserved Intra-tumor Heterogeneity to Screen Anticancer Compounds. <i>Cell</i> , 2016, 167, 260-274.e22.   | 28.9 | 376       |
| 3  | Mutational signatures in esophageal adenocarcinoma define etiologically distinct subgroups with therapeutic relevance. <i>Nature Genetics</i> , 2016, 48, 1131-1141.   | 21.4 | 332       |
| 4  | Entropy-driven formation of a superlattice in a hard-sphere binary mixture. <i>Nature</i> , 1993, 365, 35-37.  | 27.8 | 321       |
| 5  | Copy number signatures and mutational processes in ovarian carcinoma. <i>Nature Genetics</i> , 2018, 50, 1262-1270.  | 21.4 | 320       |
| 6  | Ordering of mutations in preinvasive disease stages of esophageal carcinogenesis. <i>Nature Genetics</i> , 2014, 46, 837-843.  | 21.4 | 302       |
| 7  | Cooperative interaction between retinoic acid receptor- $\alpha$ and estrogen receptor in breast cancer. <i>Genes and Development</i> , 2010, 24, 171-182.   | 5.9  | 227       |
| 8  | Insertional mutagenesis identifies multiple networks of cooperating genes driving intestinal tumorigenesis. <i>Nature Genetics</i> , 2011, 43, 1202-1209.  | 21.4 | 172       |
| 9  | The landscape of selection in 551 esophageal adenocarcinomas defines genomic biomarkers for the clinic. <i>Nature Genetics</i> , 2019, 51, 506-516.  | 21.4 | 166       |
| 10 | ILC2-driven innate immune checkpoint mechanism antagonizes NK cell antimetastatic function in the lung. <i>Nature Immunology</i> , 2020, 21, 998-1009.   | 14.5 | 112       |
| 11 | The stability of the AB 13 crystal in a binary hard sphere system. <i>Molecular Physics</i> , 1993, 79, 105-120.   | 1.7  | 101       |
| 12 | Genomic copy number predicts esophageal cancer years before transformation. <i>Nature Medicine</i> , 2020, 26, 1726-1732.  | 30.7 | 86        |
| 13 | Binary hard-sphere mixtures: a comparison between computer simulation and experiment. <i>Molecular Physics</i> , 1995, 84, 395-420.  | 1.7  | 78        |
| 14 | Stability of the AB crystal for asymmetric binary hard sphere mixtures. <i>Molecular Physics</i> , 1997, 90, 675-678.  | 1.7  | 75        |
| 15 | Comprehensive characterization of cell-free tumor DNA in plasma and urine of patients with renal tumors. <i>Genome Medicine</i> , 2020, 12, 23.  | 8.2  | 66        |
| 16 | A computer simulation investigation into the stability of the AB <sub>2</sub> superlattice in a binary hard sphere system. <i>Molecular Physics</i> , 1993, 80, 987-995.   | 1.7  | 61        |
| 17 | Fragmentation patterns and personalized sequencing of cell-free DNA in urine and plasma of glioma patients. <i>EMBO Molecular Medicine</i> , 2021, 13, e12881.   | 6.9  | 61        |
| 18 | Identification of Subtypes of Barrett's Esophagus and Esophageal Adenocarcinoma Based on DNA Methylation Profiles and Integration of Transcriptome and Genome Data. <i>Gastroenterology</i> , 2020, 158, 1682-1697.e1. | 1.3  | 58        |

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|----|--|------|-----------|
| 19 | The Early Effects of Rapid Androgen Deprivation on Human Prostate Cancer. <i>European Urology</i> , 2016, 70, 214-218.   | 1.9  | 56        |
| 20 | Genomic evidence supports a clonal diaspora model for metastases of esophageal adenocarcinoma. <i>Nature Genetics</i> , 2020, 52, 74-83.                                       | 21.4 | 53        |
| 21 | A comparative analysis of whole genome sequencing of esophageal adenocarcinoma pre- and post-chemotherapy. <i>Genome Research</i> , 2017, 27, 902-912.                         | 5.5  | 27        |
| 22 | Multi-genome alignment for quality control and contamination screening of next-generation sequencing data. <i>Frontiers in Genetics</i> , 2014, 5, 31.                         | 2.3  | 24        |
| 23 | Whole-genome sequencing of nine esophageal adenocarcinoma cell lines. <i>F1000Research</i> , 2016, 5, 1336.  | 1.6  | 23        |
| 24 | Mobile element insertions are frequent in oesophageal adenocarcinomas and can mislead paired-end sequencing analysis. <i>BMC Genomics</i> , 2015, 16, 473.                     | 2.8  | 21        |
| 25 | Impact of mutations in Toll-like receptor pathway genes on esophageal carcinogenesis. <i>PLoS Genetics</i> , 2017, 13, e1006808.   | 3.5  | 19        |
| 26 | NRG1 fusions in breast cancer. <i>Breast Cancer Research</i> , 2021, 23, 3.  | 5.0  | 18        |
| 27 | Transcriptomic profiling reveals three molecular phenotypes of adenocarcinoma at the gastroesophageal junction. <i>International Journal of Cancer</i> , 2019, 145, 3389-3401. | 5.1  | 17        |
| 28 | Disseminated Mycobacterium malmoense and Salmonella Infections Associated with a Novel Variant in NFKBIA. <i>Journal of Clinical Immunology</i> , 2017, 37, 415-418.           | 3.8  | 13        |
| 29 | The mutREAD method detects mutational signatures from low quantities of cancer DNA. <i>Nature Communications</i> , 2020, 11, 3166.   | 12.8 | 9         |
| 30 | Rearrangement processes and structural variations show evidence of selection in oesophageal adenocarcinomas. <i>Communications Biology</i> , 2022, 5, 335.                     | 4.4  | 8         |
| 31 | Allelic expression imbalance of PIK3CA mutations is frequent in breast cancer and prognostically significant. <i>Npj Breast Cancer</i> , 2022, 8, .                            | 5.2  | 1         |
| 32 | Clonal Diaspora in Metastatic Esophageal Adenocarcinoma Describes a New Model of Cancer Progression. <i>SSRN Electronic Journal</i> , 0, , .                                   | 0.4  | 0         |