

# Anne Czechanski

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20  
papers

1,628  
citations

11  
h-index

25  
g-index

25  
ext. papers

2,089  
ext. citations

11.4  
avg, IF

3.25  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 20 | Mouse genomic variation and its effect on phenotypes and gene regulation. <i>Nature</i> , <b>2011</b> , 477, 289-94  | 50.4 | 1087      |
| 19 | Molecular characterization of the translocation breakpoints in the Down syndrome mouse model Ts65Dn. <i>Mammalian Genome</i> , <b>2011</b> , 22, 685-91  | 3.2  | 116       |
| 18 | Sixteen diverse laboratory mouse reference genomes define strain-specific haplotypes and novel functional loci. <i>Nature Genetics</i> , <b>2018</b> , 50, 1574-1583   | 36.3 | 91        |
| 17 | Derivation and characterization of mouse embryonic stem cells from permissive and nonpermissive strains. <i>Nature Protocols</i> , <b>2014</b> , 9, 559-74   | 18.8 | 88        |
| 16 | Exome sequencing reveals pathogenic mutations in 91 strains of mice with Mendelian disorders. <i>Genome Research</i> , <b>2015</b> , 25, 948-57  | 9.7  | 38        |
| 15 | Kif18a is specifically required for mitotic progression during germ line development. <i>Developmental Biology</i> , <b>2015</b> , 402, 253-262  | 3.1  | 34        |
| 14 | Mitotic chromosome alignment ensures mitotic fidelity by promoting interchromosomal compaction during anaphase. <i>Journal of Cell Biology</i> , <b>2019</b> , 218, 1148-1163  | 7.3  | 31        |
| 13 | Mutation discovery in the mouse using genetically guided array capture and resequencing. <i>Mammalian Genome</i> , <b>2009</b> , 20, 424-36  | 3.2  | 28        |
| 12 | Injectable polypeptide hydrogels via methionine modification for neural stem cell delivery. <i>Biomaterials</i> , <b>2018</b> , 178, 527-545   | 15.6 | 27        |
| 11 | Meiotic behavior of aneuploid chromatin in mouse models of Down syndrome. <i>Chromosoma</i> , <b>2009</b> , 118, 723-36  | 2.8  | 18        |
| 10 | Naive Pluripotent Stem Cells Exhibit Phenotypic Variability that Is Driven by Genetic Variation. <i>Cell Stem Cell</i> , <b>2020</b> , 27, 470-481.e6  | 18   | 16        |
| 9  | Stem cells from cartilaginous and bony fish. <i>Methods in Cell Biology</i> , <b>2008</b> , 86, 343-67   | 1.8  | 11        |
| 8  | Arachidonic acid-induced expression of the organic solute and steroid transporter-beta (Ost-beta) in a cartilaginous fish cell line. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2008</b> , 148, 39-47 | 3.2  | 10        |
| 7  | Multidrug resistance-associated protein 3 (Mrp3/Abcc3/Moat-D) is expressed in the SAE <i>Squalus acanthias</i> shark embryo-derived cell line. <i>Zebrafish</i> , <b>2007</b> , 4, 261-75  | 2    | 9         |
| 6  | Generating embryonic stem cells from the inbred mouse strain DBA/2J, a model of glaucoma and other complex diseases. <i>PLoS ONE</i> , <b>2012</b> , 7, e50081   | 3.7  | 7         |
| 5  | Multiple laboratory mouse reference genomes define strain specific haplotypes and novel functional loci  |      | 7         |
| 4  | Mapping the Effects of Genetic Variation on Chromatin State and Gene Expression Reveals Loci That Control Ground State Pluripotency. <i>Cell Stem Cell</i> , <b>2020</b> , 27, 459-469.e8  | 18   | 7         |

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|---|---|------|
| 3 | Genetic variation influences pluripotent ground state stability in mouse embryonic stem cells through a hierarchy of molecular phenotypes                                   | 2    |
| 2 | Genetic control of the pluripotency epigenome determines differentiation bias in mouse embryonic stem cells.. <i>EMBO Journal</i> , <b>2021</b> , e109445                   | 13 1 |
| 1 | Embryonic Stem Cells from a Mouse Down Syndrome Model Have Impaired Proliferation and Increased Oxidative Stress.. <i>Biology of Reproduction</i> , <b>2011</b> , 85, 57-57 | 3-9  |