

# Karen L Svenson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6189496/publications.pdf>

Version: 2024-02-01

29  
papers

5,490  
citations

471509

17  
h-index

501196

28  
g-index

32  
all docs

32  
docs citations

32  
times ranked

9652  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy. , 2022, 1, 157-173.		22
2	Prediction performance of linear models and gradient boosting machine on complex phenotypes in outbred mice. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	7
3	Heritability of fat distributions in male mice from the founder strains of the Diversity Outbred mouse population. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	2
4	High-throughput sleep phenotyping produces robust and heritable traits in Diversity Outbred mice and their founder strains. Sleep, 2020, 43, .	1.1	21
5	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. PLoS Genetics, 2020, 16, e1009190.	3.5	19
6	A mutation in mouse KrÄ¼ppel-like factor 15 alters the gut microbiome and response to obesogenic diet. PLoS ONE, 2019, 14, e0222536.	2.5	3
7	Cleaning Genotype Data from Diversity Outbred Mice. G3: Genes, Genomes, Genetics, 2019, 9, 1571-1579.	1.8	21
8	Recommended housing densities for research mice: filling the gap in dataâ€driven alternatives. FASEB Journal, 2019, 33, 3097-3111.	0.5	9
9	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. Nature Communications, 2018, 9, 288.	12.8	59
10	Epistatic Networks Jointly Influence Phenotypes Related to Metabolic Disease and Gene Expression in Diversity Outbred Mice. Genetics, 2017, 206, 621-639.	2.9	50
11	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. Nature Communications, 2017, 8, 886.	12.8	116
12	Prevalence of sexual dimorphism in mammalian phenotypic traits. Nature Communications, 2017, 8, 15475.	12.8	200
13	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. Nature Genetics, 2017, 49, 1231-1238.	21.4	216
14	High-throughput discovery of novel developmental phenotypes. Nature, 2016, 537, 508-514.	27.8	1,001
15	Defining the consequences of genetic variation on a proteome-wide scale. Nature, 2016, 534, 500-505.	27.8	335
16	<i>R2d2</i> Drives Selfish Sweeps in the House Mouse. Molecular Biology and Evolution, 2016, 33, 1381-1395.	8.9	55
17	Effects of Varied Housing Density on a Hybrid Mouse Strain Followed for 20 Months. PLoS ONE, 2016, 11, e0149647.	2.5	6
18	Applying the ARRIVE Guidelines to an In Vivo Database. PLoS Biology, 2015, 13, e1002151.	5.6	75

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19	Diet Dominates Host Genotype in Shaping the Murine Gut Microbiota. <i>Cell Host and Microbe</i> , 2015, 17, 72-84.	11.0	941
20	Quantitative Trait Locus Mapping Methods for Diversity Outbred Mice. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 1623-1633.	1.8	195
21	RNA-Seq Alignment to Individualized Genomes Improves Transcript Abundance Estimates in Multiparent Populations. <i>Genetics</i> , 2014, 198, 59-73.	2.9	82
22	The effect of culling on health and physiology of mouse litters. <i>Laboratory Animals</i> , 2014, 48, 207-215.	1.0	4
23	3-Dimensional histological reconstruction and imaging of the murine pancreas. <i>Mammalian Genome</i> , 2014, 25, 539-548.	2.2	5
24	High-Resolution Genetic Mapping Using the Mouse Diversity Outbred Population. <i>Genetics</i> , 2012, 190, 437-447.	2.9	437
25	The diversity outbred mouse population. <i>Mammalian Genome</i> , 2012, 23, 713-718.	2.2	406
26	A new mouse mutant for the LDL receptor identified using ENU mutagenesis. <i>Journal of Lipid Research</i> , 2008, 49, 2452-2462.	4.2	13
27	The Collaborative Cross, a community resource for the genetic analysis of complex traits. <i>Nature Genetics</i> , 2004, 36, 1133-1137.	21.4	1,034
28	Invited Review: Identifying new mouse models of cardiovascular disease: a review of high-throughput screens of mutagenized and inbred strains. <i>Journal of Applied Physiology</i> , 2003, 94, 1650-1659.	2.5	71
29	Large-scale, high-throughput screening for coagulation and hematologic phenotypes in mice*. <i>Physiological Genomics</i> , 2002, 11, 185-193.	2.3	76