Terrence F Meehan

List of Publications by Year in Descending Order

28 papers	1,928 citations	18 h-index	34 g-index
34 ext. papers	2,687 ext. citations	16 avg, IF	3.5 L-index

#	Paper	IF	Citations
28	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy **2022**, 1, 157-173		2
27	The EurOPDX Data Portal: an open platform for patient-derived cancer xenograft data sharing and visualization.. *BMC Genomics*, **2022**, 23, 156	4.5	1
26	A resource of targeted mutant mouse lines for 5,061 genes. *Nature Genetics*, **2021**, 53, 416-419	36.3	22
25	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. *PLoS Genetics*, **2020**, 16, e1009190	6	8
24	OpenStats: A robust and scalable software package for reproducible analysis of high-throughput phenotypic data. *PLoS ONE*, **2020**, 15, e0242933	3.7	5
23	Human and mouse essentiality screens as a resource for disease gene discovery. *Nature Communications*, **2020**, 11, 655	17.4	25
22	High-throughput phenotyping reveals expansive genetic and structural underpinnings of immune variation. *Nature Immunology*, **2020**, 21, 86-100	19.1	15
21	Soft windowing application to improve analysis of high-throughput phenotyping data. *Bioinformatics*, **2020**, 36, 1492-1500	7.2	5
20	Know Thy PDX Model. *Cancer Research*, **2019**, 79, 4324-4325	10.1	
19	PDX Finder: A portal for patient-derived tumor xenograft model discovery. *Nucleic Acids Research*, **2019**, 47, D1073-D1079	20.1	42
18	Unexplored therapeutic opportunities in the human genome. *Nature Reviews Drug Discovery*, **2018**, 17, 317-332	64.1	156
17	High-throughput mouse phenomics for characterizing mammalian gene function. *Nature Reviews Genetics*, **2018**, 19, 357-370	30.1	48
16	Identification of genetic elements in metabolism by high-throughput mouse phenotyping. *Nature Communications*, **2018**, 9, 288	17.4	48
15	Identification of genes required for eye development by high-throughput screening of mouse knockouts. *Communications Biology*, **2018**, 1, 236	6.7	20
14	The International Mouse Phenotyping Consortium (IMPC): a functional catalogue of the mammalian genome that informs conservation. *Conservation Genetics*, **2018**, 19, 995-1005	2.6	44
13	PDX-MI: Minimal Information for Patient-Derived Tumor Xenograft Models. *Cancer Research*, **2017**, 77, e62-e66	10.1	65
12	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. *Nature Communications*, **2017**, 8, 886	17.4	81

List of Publications

11	Prevalence of sexual dimorphism in mammalian phenotypic traits. *Nature Communications*, **2017**, 8, 15475	17.4	130
10	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. *Nature Genetics*, **2017**, 49, 1231-1238	36.3	145
9	High-throughput discovery of novel developmental phenotypes. *Nature*, **2016**, 537, 508-514	50.4	608
8	The Cell Ontology 2016: enhanced content, modularization, and ontology interoperability. *Journal of Biomedical Semantics*, **2016**, 7, 44	2.2	111
7	A mouse informatics platform for phenotypic and translational discovery. *Mammalian Genome*, **2015**, 26, 413-21	3.2	20
6	PhenStat: A Tool Kit for Standardized Analysis of High Throughput Phenotypic Data. *PLoS ONE*, **2015**, 10, e0131274	3.7	40
5	CLO: The cell line ontology. *Journal of Biomedical Semantics*, **2014**, 5, 37	2.2	70
4	The International Mouse Phenotyping Consortium Web Portal, a unified point of access for knockout mice and related phenotyping data. *Nucleic Acids Research*, **2014**, 42, D802-9	20.1	189
3	PDX Finder: A Portal for Patient-Derived tumor Xenograft Model Discovery		2
2	OpenStats: A Robust and Scalable Software Package for Reproducible Analysis of High-Throughput Phenotypic Data		1
1	A resource of targeted mutant mouse lines for 5,061 genes		3