Guillaume Pavlovic

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.

41 papers	3,282 citations	21 h-index	46 g-index
46 ext. papers	4,191 ext. citations	10.7 avg, IF	4.45 L-index

#	Paper	IF	Citations
41	Distinct fibroblast lineages determine dermal architecture in skin development and repair. *Nature*, **2013**, 504, 277-281	50.4	656
40	High-throughput discovery of novel developmental phenotypes. *Nature*, **2016**, 537, 508-514	50.4	608
39	Conjugative transposons: the tip of the iceberg. *Molecular Microbiology*, **2002**, 46, 601-10	4.1	326
38	The mammalian gene function resource: the International Knockout Mouse Consortium. *Mammalian Genome*, **2012**, 23, 580-6	3.2	230
37	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. *Nature Genetics*, **2017**, 49, 1231-1238	36.3	145
36	Translation of Expanded CGG Repeats into FMRpolyG Is Pathogenic and May Contribute to Fragile X Tremor Ataxia Syndrome. *Neuron*, **2017**, 93, 331-347	13.9	131
35	Prevalence of sexual dimorphism in mammalian phenotypic traits. *Nature Communications*, **2017**, 8, 15475	17.4	130
34	The ICESt1 element of Streptococcus thermophilus belongs to a large family of integrative and conjugative elements that exchange modules and change their specificity of integration. *Plasmid*, **2002**, 48, 77-97	3.3	118
33	Mouse large-scale phenotyping initiatives: overview of the European Mouse Disease Clinic (EUMODIC) and of the Wellcome Trust Sanger Institute Mouse Genetics Project. *Mammalian Genome*, **2012**, 23, 600-10	3.2	116
32	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. *Nature Genetics*, **2015**, 47, 969-978	36.3	106
31	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. *Nature Communications*, **2017**, 8, 886	17.4	81
30	PCSK9 is not involved in the degradation of LDL receptors and BACE1 in the adult mouse brain. *Journal of Lipid Research*, **2010**, 51, 2611-8	6.3	71
29	Evolution of genomic islands by deletion and tandem accretion by site-specific recombination: ICESt1-related elements from Streptococcus thermophilus. *Microbiology (United Kingdom)*, **2004**, 150, 759-774	2.9	58
28	Absence of TI-VAMP/Vamp7 leads to increased anxiety in mice. *Journal of Neuroscience*, **2012**, 32, 1962-8	6.6	55
27	Efficient and rapid generation of large genomic variants in rats and mice using CRISMERE. *Scientific Reports*, **2017**, 7, 43331	4.9	52
26	Conjugative transfer of the integrative conjugative elements ICESt1 and ICESt3 from Streptococcus thermophilus. *Journal of Bacteriology*, **2009**, 191, 2764-75	3.5	48
25	Modeling human disease in rodents by CRISPR/Cas9 genome editing. *Mammalian Genome*, **2017**, 28, 291-301	3.2	44

24	Highly-efficient, fluorescent, locus directed cre and FlpO deleter mice on a pure C57BL/6N genetic background. *Genesis*, **2012**, 50, 482-9	1.9	37
23	Skin progenitor cells contribute to bleomycin-induced skin fibrosis. *Arthritis and Rheumatology*, **2014**, 66, 707-13	9.5	25
22	Human and mouse essentiality screens as a resource for disease gene discovery. *Nature Communications*, **2020**, 11, 655	17.4	25
21	A resource of targeted mutant mouse lines for 5,061 genes. *Nature Genetics*, **2021**, 53, 416-419	36.3	22
20	Aneuploidy screening of embryonic stem cell clones by metaphase karyotyping and droplet digital polymerase chain reaction. *BMC Cell Biology*, **2016**, 17, 30		19
19	Physiological Expression of AMPK□RG Mutation Causes Wolff-Parkinson-White Syndrome and Induces Kidney Injury in Mice. *Journal of Biological Chemistry*, **2016**, 291, 23428-23439	5.4	19
18	Ketohexokinase knockout mice, a model for essential fructosuria, exhibit altered fructose metabolism and are protected from diet-induced metabolic defects. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 315, E386-E393	6	18
17	Variability in Genome Editing Outcomes: Challenges for Research Reproducibility and Clinical Safety. *Molecular Therapy*, **2020**, 28, 1422-1431	11.7	18
16	Nox4 genetic inhibition in experimental hypertension and metabolic syndrome. *Archives of Cardiovascular Diseases*, **2018**, 111, 41-52	2.7	16
15	Atp6ap2 ablation in adult mice impairs viability through multiple organ deficiencies. *Scientific Reports*, **2017**, 7, 9618	4.9	15
14	E4F1-mediated control of pyruvate dehydrogenase activity is essential for skin homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 11004-9	11.5	11
13	TUBG1 missense variants underlying cortical malformations disrupt neuronal locomotion and microtubule dynamics but not neurogenesis. *Nature Communications*, **2019**, 10, 2129	17.4	10
12	Optimizing PCR for Mouse Genotyping: Recommendations for Reliable, Rapid, Cost Effective, Robust and Adaptable to High-Throughput Genotyping Protocol for Any Type of Mutation. *Current Protocols in Mouse Biology*, **2019**, 9, e65	1.1	10
11	Reliable and robust droplet digital PCR (ddPCR) and RT-ddPCR protocols for mouse studies. *Methods*, **2021**, 191, 95-106	4.6	10
10	Modeling Down syndrome in animals from the early stage to the 4.0 models and next. *Progress in Brain Research*, **2020**, 251, 91-143	2.9	8
9	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. *PLoS Genetics*, **2020**, 16, e1009190	6	8
8	Droplet digital PCR or quantitative PCR for in-depth genomic and functional validation of genetically altered rodents. *Methods*, **2021**, 191, 107-119	4.6	8
7	A new mouse model of ARX dup24 recapitulates the patients□behavioral and fine motor alterations. *Human Molecular Genetics*, **2018**, 27, 2138-2153	5.6	7

6	Dyrk1a gene dosage in glutamatergic neurons has key effects in cognitive deficits observed in mouse models of MRD7 and Down syndrome. *PLoS Genetics*, **2021**, 17, e1009777	6	6
5	Genome wide conditional mouse knockout resources. *Drug Discovery Today: Disease Models*, **2016**, 20, 3-12	1.3	3
4	A resource of targeted mutant mouse lines for 5,061 genes		3
3	Generation and Use of Transgenic Mice in Drug Discovery. *Methods and Principles in Medicinal Chemistry*, **2014**, 131-148	0.4	2
2	Characterization and chimeric structure of a family of integrative and potentially conjugative elements from Streptococcus thermophilus. *Dairy Science and Technology*, **2001**, 81, 57-64		2
1	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy **2022**, 1, 157-173		2