Kyle M Schachtschneider

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.

44 papers	1,744 citations	15 h-index	41 g-index
49 ext. papers	2,242 ext. citations	5.9 avg, IF	3.94 L-index

#	Paper	IF	Citations
44	Analyses of pig genomes provide insight into porcine demography and evolution. *Nature*, **2012**, 491, 393-8	50.4	928
43	Evolutionary signals of selection on cognition from the great tit genome and methylome. *Nature Communications*, **2016**, 7, 10474	17.4	125
42	A Genetic Porcine Model of Cancer. *PLoS ONE*, **2015**, 10, e0128864	3.7	86
41	The Oncopig Cancer Model: An Innovative Large Animal Translational Oncology Platform. *Frontiers in Oncology*, **2017**, 7, 190	5.3	68
40	Adult porcine genome-wide DNA methylation patterns support pigs as a biomedical model. *BMC Genomics*, **2015**, 16, 743	4.5	61
39	Unraveling the swine genome: implications for human health. *Annual Review of Animal Biosciences*, **2015**, 3, 219-44	13.7	48
38	Genome-wide analysis of DNA methylation in pigs using reduced representation bisulfite sequencing. *DNA Research*, **2015**, 22, 343-55	4.5	45
37	Modulation of systemic immune responses through commensal gastrointestinal microbiota. *PLoS ONE*, **2013**, 8, e53969	3.7	36
36	Gene and transposable element methylation in great tit (Parus major) brain and blood. *BMC Genomics*, **2016**, 17, 332	4.5	35
35	A validated, transitional and translational porcine model of hepatocellular carcinoma. *Oncotarget*, **2017**, 8, 63620-63634	3.3	34
34	Of Mice, Dogs, Pigs, and Men: Choosing the Appropriate Model for Immuno-Oncology Research. *ILAR Journal*, **2018**, 59, 247-262	1.7	31
33	Universal DNA methylation age across mammalian tissues		31
32	Impact of neonatal iron deficiency on hippocampal DNA methylation and gene transcription in a porcine biomedical model of cognitive development. *BMC Genomics*, **2016**, 17, 856	4.5	29
31	Peripheral viral infection induced microglial sensome genes and enhanced microglial cell activity in the hippocampus of neonatal piglets. *Brain, Behavior, and Immunity*, **2016**, 54, 243-251	16.6	24
30	Oncopig Soft-Tissue Sarcomas Recapitulate Key Transcriptional Features of Human Sarcomas. *Scientific Reports*, **2017**, 7, 2624	4.9	17
29	The Melding of Drug Screening Platforms for Melanoma. *Frontiers in Oncology*, **2019**, 9, 512	5.3	15
28	Genetically Induced Tumors in the Oncopig Model Invoke an Antitumor Immune Response Dominated by Cytotoxic CD8 T Cells and Differentiated T Cells Alongside a Regulatory Response Mediated by FOXP3 T Cells and Immunoregulatory Molecules. *Frontiers in Immunology*, **2018**, 9, 1301	8.4	11

27	Mycobacterium bovis BCG in metastatic melanoma therapy. *Applied Microbiology and Biotechnology* , **2019**, 103, 7903-7916	5.7	11
26	Epigenetic clock and DNA methylation analysis of porcine models of aging and obesity. *GeroScience* , **2021**, 43, 2467-2483	8.9	11
25	The Oncopig Cancer Model as a Complementary Tool for Phenotypic Drug Discovery. *Frontiers in Pharmacology*, **2017**, 8, 894	5.6	9
24	Development and comprehensive characterization of porcine hepatocellular carcinoma for translational liver cancer investigation. *Oncotarget*, **2020**, 11, 2686-2701	3.3	9
23	Translating Human Cancer Sequences Into Personalized Porcine Cancer Models. *Frontiers in Oncology*, **2019**, 9, 105	5.3	8
22	Translational Animal Models for Liver Cancer. *American Journal of Interventional Radiology*,2, 2		8
21	Gene expression profiling in Pekin duck embryonic breast muscle. *PLoS ONE*, **2017**, 12, e0174612	3.7	7
20	Characterization of an Inducible Alcoholic Liver Fibrosis Model for Hepatocellular Carcinoma Investigation in a Transgenic Porcine Tumorigenic Platform. *Journal of Vascular and Interventional Radiology*, **2018**, 29, 1194-1202.e1	2.4	7
19	7-Chloroquinoline-1,2,3-triazoyl carboxamides induce cell cycle arrest and apoptosis in human bladder carcinoma cells. *Investigational New Drugs*, **2020**, 38, 1020-1030	4.3	7
18	The molecular and cellular basis of copper dysregulation and its relationship with human pathologies. *FASEB Journal*, **2021**, 35, e21810	0.9	6
17	Molecularly targeted photothermal ablation improves tumor specificity and immune modulation in a rat model of hepatocellular carcinoma. *Communications Biology*, **2020**, 3, 783	6.7	5
16	Epigenetic predictors of maximum lifespan and other life history traits in mammals		5
15	Porcine cancer models: potential tools to enhance cancer drug trials. *Expert Opinion on Drug Discovery*, **2020**, 15, 893-902	6.2	4
14	Altered Hippocampal Epigenetic Regulation Underlying Reduced Cognitive Development in Response to Early Life Environmental Insults. *Genes*, **2020**, 11,	4.2	4
13	Transarterial Embolization of Liver Cancer in a Transgenic Pig Model. *Journal of Vascular and Interventional Radiology*, **2021**, 32, 510-517.e3	2.4	4
12	Epigenetic clock and DNA methylation analysis of porcine models of aging and obesity		3
11	Generation of genetically tailored porcine liver cancer cells by CRISPR/Cas9 editing. *BioTechniques*, **2021**, 70, 37-48	2.5	3
10	TM4SF18 is aberrantly expressed in pancreatic cancer and regulates cell growth. *PLoS ONE*, **2019**, 14, e0211711	3.7	2

9	Analysis of Anasplatyrhynchos genome resequencing data reveals genetic signatures of artificial selection. *PLoS ONE*, **2019**, 14, e0211908	3.7	2
8	Transcriptional regulation of alcohol induced liver fibrosis in a translational porcine hepatocellular carcinoma model. *Biochimie*, **2021**, 182, 73-84	4.6	1
7	Transcriptional Profiling of Porcine HCC Xenografts Provides Insights Into Tumor Cell Microenvironment Signaling. *Frontiers in Genetics*, **2021**, 12, 657330	4.5	1
6	Perspective: Humanized Pig Models of Bladder Cancer. *Frontiers in Molecular Biosciences*, **2021**, 8, 681044	5.6	1
5	Synthesis and biological evaluation of new antioxidant and antiproliferative chalcogenobiotin derivatives for bladder carcinoma treatment. *Bioorganic and Medicinal Chemistry*, **2020**, 28, 115423	3.4	0
4	Swine models for translational oncological research: an evolving landscape and regulatory considerations. *Mammalian Genome*, **2021**, 1	3.2	0
3	The Promise of Improving Hepatocellular Carcinoma Treatment Responses through Translational Device Testing. *Journal of Vascular and Interventional Radiology*, **2020**, 31, 492-493	2.4	
2	Utilization of Genomics and Functional Genomics to Inform Clinical Decisions in IR. *Journal of Vascular and Interventional Radiology*, **2018**, 29, 1117-1121	2.4	
1	Characteristics and Unmet Clinical Needs Related to Hepatocellular Carcinoma. *Digestive Disease Interventions*, **2017**, 01, 074-082	0.2	