

# Frantisek Liska

## List of Publications by Year in descending order

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33  
papers

392  
citations

932766

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h-index

839053

18  
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37  
all docs

37  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Rat <i>hd</i> Mutation Reveals an Essential Role of Centrobin in Spermatid Head Shaping and Assembly of the Head-Tail Coupling Apparatus. <i>Biology of Reproduction</i> , 2009, 81, 1196-1205.	1.2	61
2	Downregulation of <i>Plzf</i> Gene Ameliorates Metabolic and Cardiac Traits in the Spontaneously Hypertensive Rat. <i>Hypertension</i> , 2017, 69, 1084-1091.	1.3	41
3	Dynamic genetic architecture of metabolic syndrome attributes in the rat. <i>Physiological Genomics</i> , 2005, 21, 243-252.	1.0	36
4	Deletion of a conserved noncoding sequence in <i>Plzf</i> intron leads to <i>Plzf</i> downregulation in limb bud and polydactyly in the rat. <i>Developmental Dynamics</i> , 2009, 238, 673-684.	0.8	26
5	<i>Plzf</i> as a Candidate Gene Predisposing the Spontaneously Hypertensive Rat to Hypertension, Left Ventricular Hypertrophy, and Interstitial Fibrosis. <i>American Journal of Hypertension</i> , 2014, 27, 99-106.	1.0	25
6	Pharmacogenetic model of retinoic acid-induced dyslipidemia and insulin resistance. <i>Pharmacogenomics</i> , 2009, 10, 1915-1927.	0.6	17
7	Acute low-dose bisphenol S exposure affects mouse oocyte quality. <i>Reproductive Toxicology</i> , 2020, 93, 19-27.	1.3	17
8	A novel active endogenous retrovirus family contributes to genome variability in rat inbred strains. <i>Genome Research</i> , 2010, 20, 19-27.	2.4	15
9	Microphthalmia and cataract in rats with a novel point mutation in connexin 50 - L7Q. <i>Molecular Vision</i> , 2008, 14, 823-8.	1.1	15
10	Variability of Human rDNA. <i>Cells</i> , 2021, 10, 196.	1.8	14
11	Targeting of the <i>Plzf</i> Gene in the Rat by Transcription Activator-Like Effector Nuclease Results in Caudal Regression Syndrome in Spontaneously Hypertensive Rats. <i>PLoS ONE</i> , 2016, 11, e0164206.	1.1	13
12	Novel double-congenic strain reveals effects of spontaneously hypertensive rat chromosome 2 on specific lipoprotein subfractions and adiposity. <i>Physiological Genomics</i> , 2006, 27, 95-102.	1.0	10
13	Pharmacogenetic interaction between dexamethasone and <i>Cd36</i> -deficient segment of spontaneously hypertensive rat chromosome 4 affects triacylglycerol and cholesterol distribution into lipoprotein fractions. <i>Lipids in Health and Disease</i> , 2010, 9, 38.	1.2	10
14	Pharmacogenomic analysis of retinoic-acid induced dyslipidemia in congenic rat model. <i>Lipids in Health and Disease</i> , 2014, 13, 172.	1.2	10
15	Single-Gene Congenic Strain Reveals the Effect of <i>Zbtb16</i> on Dexamethasone-Induced Insulin Resistance. <i>Frontiers in Endocrinology</i> , 2018, 9, 185.	1.5	9
16	Isolation of a Genomic Region Affecting Most Components of Metabolic Syndrome in a Chromosome-16 Congenic Rat Model. <i>PLoS ONE</i> , 2016, 11, e0152708.	1.1	8
17	<i>CD36</i> -deficient congenic strains show improved glucose tolerance and distinct shifts in metabolic and transcriptomic profiles. <i>Heredity</i> , 2012, 109, 63-70.	1.2	7
18	Overexpression of Full-Length Centrobin Rescues Limb Malformation but Not Male Fertility of the Hypodactylous ( <i>hd</i> ) Rats. <i>PLoS ONE</i> , 2013, 8, e60859.	1.1	7

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19	Splicing mutation in Sbf1 causes nonsyndromic male infertility in the rat. <i>Reproduction</i> , 2016, 152, 215-223.	1.1	7
20	Hepatic Transcriptome Profiling Reveals Lack of Acsm3 Expression in Polydactylous Rats with High-Fat Diet-Induced Hypertriglyceridemia and Visceral Fat Accumulation. <i>Nutrients</i> , 2021, 13, 1462.	1.7	6
21	Genomic Determinants of Triglyceride and Cholesterol Distribution into Lipoprotein Fractions in the Rat. <i>PLoS ONE</i> , 2014, 9, e109983.	1.1	6
22	Alternative isoforms of KDM2A and KDM2B lysine demethylases negatively regulate canonical Wnt signaling. <i>PLoS ONE</i> , 2020, 15, e0236612.	1.1	6
23	Maternal High-Sucrose Diet Affects Phenotype Outcome in Adult Male Offspring: Role of Zbtb16. <i>Frontiers in Genetics</i> , 2020, 11, 529421.	1.1	5
24	Heterozygous connexin 50 mutation affects metabolic syndrome attributes in spontaneously hypertensive rat. <i>Lipids in Health and Disease</i> , 2016, 15, 199.	1.2	4
25	Sodium Accumulation and Blood Capillary Rarefaction in the Skin Predispose Spontaneously Hypertensive Rats to Salt Sensitive Hypertension. <i>Biomedicines</i> , 2022, 10, 376.	1.4	4
26	The CD36 protein functions as an immunogenic domain of the RT8 alloantigen. <i>International Journal of Immunogenetics</i> , 2003, 30, 325-327.	1.2	3
27	Linkage mapping of rat hypodactyly locus to chromosome 10. <i>Transplantation Proceedings</i> , 1999, 31, 1620.	0.3	2
28	Genetic Complementation of ATP Synthase Deficiency Due to Dysfunction of TMEM70 Assembly Factor in Rat. <i>Biomedicines</i> , 2022, 10, 276.	1.4	2
29	Recurrent Microdeletions at Xq27.3-Xq28 and Male Infertility: A Study in the Czech Population. <i>PLoS ONE</i> , 2016, 11, e0156102.	1.1	1
30	Major loci on rat chromosomes 3, 8 and 17 determine body weight, insulin and triglyceride levels in a model of metabolic syndrome. <i>American Journal of Hypertension</i> , 2003, 16, A229-A230.	1.0	0
31	GW26-e2423 The role of mutant Plzf in metabolic and hemodynamic disturbances in spontaneously hypertensive rats. <i>Journal of the American College of Cardiology</i> , 2015, 66, C274-C275.	1.2	0
32	The effect of Zbtb16 gene on insulin sensitivity and lipid levels revealed by a single-gene congenic rat model. <i>Atherosclerosis</i> , 2017, 263, e277-e278.	0.4	0
33	Integrative genomic, phenomic and transcriptomic study of metabolic syndrome in recombinant inbred rat model set. <i>Atherosclerosis</i> , 2017, 263, e277.	0.4	0