Jens Kroll

List of Publications by Year
in descending order

40	937	471509 17	501196 28
papers	citations	h-index	g-index

41	41	41	1453
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Follistatinâ€controlled activinâ€HNF4Îąâ€coagulation factor axis in liver progenitor cells determines outcome of acute liver failure. Hepatology, 2022, 75, 322-337.	7.3	14
2	pdx1 Knockout Leads to a Diabetic Nephropathyâ€“ Like Phenotype in Zebrafish and Identifies Phosphatidylethanolamine as Metabolite Promoting Early Diabetic Kidney Damage. Diabetes, 2022, 71, 1073-1080.	0.6	14
3	Accumulation of acetaldehyde in aldh2.1 zebrafish causes increased retinal angiogenesis and impaired glucose metabolism. Redox Biology, 2022, 50, 102249.	9.0	9
4	Deep Metabolic Profiling Assessment of Tissue Extraction Protocols for Three Model Organisms. Frontiers in Chemistry, 2022, 10, 869732.	3.6	6
5	Thiosulfate sulfurtransferase prevents hyperglycemic damage to the zebrafish pronephros in an experimental model for diabetes. Scientific Reports, 2022, 12, .	3.3	3
6	Advancing Diabetic Retinopathy Research: Analysis of the Neurovascular Unit in Zebrafish. Cells, 2021, 10, 1313.	4.1	8
7	Reduced Acrolein Detoxification in akr1a1a Zebrafish Mutants Causes Impaired Insulin Receptor Signaling and Microvascular Alterations. Advanced Science, 2021, 8, e2101281.	11.2	11
8	Metabolic and Transcriptional Adaptations Improve Physical Performance of Zebrafish. Antioxidants, 2021, 10, 1581.	5.1	3
9	Elevated 4-hydroxynonenal induces hyperglycaemia via Aldh3a1 loss in zebrafish and associates with diabetes progression in humans. Redox Biology, 2020, 37, 101723.	9.0	36
10	Regulation of Gluconeogenesis by Aldo-keto-reductase 1a1b in Zebrafish. IScience, 2020, 23, 101763.	4.1	9
11	Activation of Retinal Angiogenesis in Hyperglycemic pdx1 â^'/â^' Zebrafish Mutants. Diabetes, 2020, 69, 1020-1031.	0.6	30
12	Genetic compensation byepobin pronephros development inepoamutant zebrafish. Cell Cycle, 2019, 18, 2683-2696.	2.6	8
13	CNDP1 knockout in zebrafish alters the amino acid metabolism, restrains weight gain, but does not protect from diabetic complications. Cellular and Molecular Life Sciences, 2019, 76, 4551-4568.	5.4	14
14	The combination of loss of glyoxalase1 and obesity results in hyperglycemia. JCI Insight, 2019, 4, .	5.0	37
15	Vascular Damage in Obesity and Diabetes: Highlighting Links Between Endothelial Dysfunction and Metabolic Disease in Zebrafish and Man. Current Vascular Pharmacology, 2019, 17, 476-490.	1.7	19
16	Targeting erythropoietin protects against proteinuria in type 2 diabetic patients and in zebrafish. Molecular Metabolism, 2018, 8, 189-202.	6.5	12
17	FOXF1 Mediates Endothelial Progenitor Functions and Regulates Vascular Sprouting. Frontiers in Bioengineering and Biotechnology, 2018, 6, 76.	4.1	14
18	Oxidized phospholipids regulate amino acid metabolism through MTHFD2 to facilitate nucleotide release in endothelial cells. Nature Communications, 2018, 9, 2292.	12.8	44

#	Article	IF	Citations
19	Studying Diabetes Through the Eyes of a Fish: Microdissection, Visualization, and Analysis of the Adult tg(fli:EGFP) Zebrafish Retinal Vasculature. Journal of Visualized Experiments, 2017, , .	0.3	16
20	Zebrafish as a Model for the Study of Microvascular Complications of Diabetes and Their Mechanisms. International Journal of Molecular Sciences, 2017, 18, 2002.	4.1	41
21	ELMO1 protects renal structure and ultrafiltration in kidney development and under diabetic conditions. Scientific Reports, 2016, 6, 37172.	3.3	34
22	Junb controls lymphatic vascular development in zebrafish via miR-182. Scientific Reports, 2015, 5, 15007.	3.3	23
23	The Bipartite Rac1 Guanine Nucleotide Exchange Factor Engulfment and Cell Motility 1/Dedicator of Cytokinesis 180 (Elmo1/Dock180) Protects Endothelial Cells from Apoptosis in Blood Vessel Development. Journal of Biological Chemistry, 2015, 290, 6408-6418.	3.4	30
24	High Tissue Glucose Alters Intersomitic Blood Vessels in Zebrafish via Methylglyoxal Targeting the VEGF Receptor Signaling Cascade. Diabetes, 2015, 64, 213-225.	0.6	41
25	Regulation of lung development and regeneration by the vascular system. Cellular and Molecular Life Sciences, 2015, 72, 2709-2718.	5.4	40
26	Transgenic Mouse Models of Corneal Neovascularization: New Perspectives for Angiogenesis Research. , 2014, 55, 7637.		25
27	Kelch-like ECT2 interacting protein KLEIP regulates late stage pulmonary maturation via Hif-2Î±. DMM Disease Models and Mechanisms, 2014, 7, 683-92.	2.4	12
28	Nucleoside Diphosphate Kinase B Regulates Angiogenesis Through Modulation of Vascular Endothelial Growth Factor Receptor Type 2 and Endothelial Adherens Junction Proteins. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2292-2300.	2.4	25
29	Angiopoietin-1 Is Regulated by miR-204 and Contributes to Corneal Neovascularization in KLEIP-Deficient Mice. , 2014, 55, 4295.		24
30	Rho guanine exchange factors in blood vessels: Fine-tuners of angiogenesis and vascular function. Experimental Cell Research, 2013, 319, 1289-1297.	2.6	15
31	Aging-Dependent Reduction in Glyoxalase 1 Delays Wound Healing. Gerontology, 2013, 59, 427-437.	2.8	53
32	HOXC9 Regulates Formation of Parachordal Lymphangioplasts and the Thoracic Duct in Zebrafish via Stabilin 2. PLoS ONE, 2013, 8, e58311.	2.5	11
33	Different Regulation of Physiological and Tumor Angiogenesis in Zebrafish by Protein Kinase D1 (PKD1). PLoS ONE, 2013, 8, e68033.	2.5	18
34	HOXC9: A Key Regulator of Endothelial Cell Quiescence and Vascular Morphogenesis. Trends in Cardiovascular Medicine, 2012, 22, 7-11.	4.9	14
35	KLEIP Deficiency in Mice Causes Progressive Corneal Neovascular Dystrophy. , 2012, 53, 3260.		13
36	The Transcription Factor HOXC9 Regulates Endothelial Cell Quiescence and Vascular Morphogenesis in Zebrafish via Inhibition of Interleukin 8. Circulation Research, 2011, 108, 1367-1377.	4.5	38

#	Article	IF	Citations
37	The Rac1 Regulator ELMO1 Controls Vascular Morphogenesis in Zebrafish. Circulation Research, 2010, 107, 45-55.	4.5	69
38	Inhibition of Rho-dependent kinases ROCK I/II activates VEGF-driven retinal neovascularization and sprouting angiogenesis. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H893-H899.	3.2	75
39	The BTB-Kelch Protein KLEIP Controls Endothelial Migration and Sprouting Angiogenesis. Circulation Research, 2007, 100, 1155-1163.	4.5	29
40	Comparative Morphological, Metabolic and Transcriptome Analyses in elmo1âˆ’/âˆ’, elmo2âˆ’/âˆ’, and elmo3âˆ’/âˆ’ Zebrafish Mutants Identified a Functional Non-Redundancy of the Elmo Proteins. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	0