Jan A Mennigen

List of Publications by Year
in descending order

50 papers	1,958 citations	279701 23 h-index	254106 43 g-index
51 all docs	51 docs citations	51 times ranked	2013 citing authors

#	Article	IF	Citations
1	The goldfish (Carassius auratus) as a model for neuroendocrine signaling. Molecular and Cellular Endocrinology, 2008, 293, 43-56.	1.6	147
2	Pharmaceuticals as Neuroendocrine Disruptors: Lessons Learned from Fish on Prozac. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2011, 14, 387-412.	2.9	141
3	Effects of fluoxetine on the reproductive axis of female goldfish (Carassius auratus). Physiological Genomics, 2008, 35, 273-282.	1.0	124
4	Waterborne fluoxetine disrupts the reproductive axis in sexually mature male goldfish, Carassius auratus. Aquatic Toxicology, 2010, 100, 354-364.	1.9	114
5	High or low dietary carbohydrate:protein ratios during first-feeding affect glucose metabolism and intestinal microbiota in juvenile rainbow trout. Journal of Experimental Biology, 2014, 217, 3396-3406.	0.8	107
6	Epigenetics in teleost fish: From molecular mechanisms to physiological phenotypes. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 224, 210-244.	0.7	107
7	Waterborne fluoxetine disrupts feeding and energy metabolism in the goldfish Carassius auratus. Aquatic Toxicology, 2010, 100, 128-137.	1.9	103
8	Postprandial Regulation of Hepatic MicroRNAs Predicted to Target the Insulin Pathway in Rainbow Trout. PLoS ONE, 2012, 7, e38604.	1.1	86
9	Environmental risk assessment for the serotonin reâ€uptake inhibitor fluoxetine: Case study using the European risk assessment framework. Integrated Environmental Assessment and Management, 2010, 6, 524-539.	1.6	73
10	Bioconcentration and Metabolic Effects of Emerging PFOS Alternatives in Developing Zebrafish. Environmental Science & Technology, 2019, 53, 13427-13439.	4.6	70
11	Fluoxetine affects weight gain and expression of feeding peptides in the female goldfish brain. Regulatory Peptides, 2009, 155, 99-104.	1.9	55
12	Postprandial regulation of hepatic glucokinase and lipogenesis requires the activation of TORC1 signaling in rainbow trout (Oncorhynchus mykiss). Journal of Experimental Biology, 2013, 216, 4483-92.	0.8	53
13	The fibrate drug gemfibrozil disrupts lipoprotein metabolism in rainbow trout. Toxicology and Applied Pharmacology, 2011, 251, 201-208.	1.3	50
14	Transgenerational effects of polychlorinated biphenyls: 1. Development and physiology across 3 generations of rats. Environmental Health, 2018, 17, 18.	1.7	48
15	Developmental toxicity of the novel PFOS alternative OBS in developing zebrafish: An emphasis on cilia disruption. Journal of Hazardous Materials, 2021, 409, 124491.	6.5	48
16	Acute exposure to environmentally relevant concentrations of Chinese PFOS alternative F-53B induces oxidative stress in early developing zebrafish. Chemosphere, 2019, 235, 945-951.	4.2	47
17	Metabolic consequences of microRNA-122 inhibition in rainbow trout, Oncorhynchus mykiss. BMC Genomics, 2014, 15, 70.	1.2	45
18	Ontogenesis of expression of metabolic genes and microRNAs in rainbow trout alevins during the transition from the endogenous to the exogenous feeding period. Journal of Experimental Biology, 2013, 216, 1597-608.	0.8	43

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19	Acute endocrine and nutritional co-regulation of the hepatic omy-miRNA-122b and the lipogenic gene fas in rainbow trout, Oncorhynchus mykiss. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2014, 169, 16-24.	0.7	40
20	Defining Global Neuroendocrine Gene Expression Patterns Associated with Reproductive Seasonality in Fish. PLoS ONE, 2009, 4, e5816.	1.1	39
21	Micromanaging metabolismâ€"a role for miRNAs in teleost energy metabolism. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 199, 115-125.	0.7	31
22	Endocrine disrupting effects of waterborne fluoxetine exposure on the reproductive axis of female goldfish, Carassius auratus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 202, 70-78.	1.3	27
23	A cross-species comparative approach to assessing multi- and transgenerational effects of endocrine disrupting chemicals. Environmental Research, 2022, 204, 112063.	3.7	27
24	Profiling the rainbow trout hepatic miRNAome under diet-induced hyperglycemia. Physiological Genomics, 2019, 51, 411-431.	1.0	26
25	The nonapeptide isotocin in goldfish: Evidence for serotonergic regulation and functional roles in the control of food intake and pituitary hormone release. General and Comparative Endocrinology, 2017, 254, 38-49.	0.8	25
26	Social status affects lipid metabolism in rainbow trout,Oncorhynchus mykiss. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R241-R255.	0.9	24
27	Dopamine D1Receptor Blockage Potentiates AMPA-Stimulated Luteinising Hormone Release in the Goldfish. Journal of Neuroendocrinology, 2011, 23, 302-309.	1.2	23
28	Secretoneurin is a potential paracrine factor from lactotrophs stimulating gonadotropin release in the goldfish pituitary. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1290-R1297.	0.9	20
29	MicroTrout: A comprehensive, genome-wide miRNA target prediction framework for rainbow trout, Oncorhynchus mykiss. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2016, 20, 19-26.	0.4	20
30	Exploring the Impact of a Low-Protein High-Carbohydrate Diet in Mature Broodstock of a Glucose-Intolerant Teleost, the Rainbow Trout. Frontiers in Physiology, 2020, 11, 303.	1.3	18
31	Acute and long-term metabolic consequences of early developmental Bisphenol A exposure in zebrafish (Danio rerio). Chemosphere, 2020, 256, 127080.	4.2	18
32	Functional prediction and physiological characterization of a novel short trans-membrane protein 1 as a subunit of mitochondrial respiratory complexes. Physiological Genomics, 2012, 44, 1133-1140.	1.0	16
33	Rapid modulation of gene expression profiles in the telencephalon of male goldfish following exposure to waterborne sex pheromones. General and Comparative Endocrinology, 2013, 192, 204-213.	0.8	16
34	Developmental fluoxetine exposure in zebrafish reduces offspring basal cortisol concentration via life stage-dependent maternal transmission. PLoS ONE, 2019, 14, e0212577.	1.1	15
35	Social status regulates the hepatic miRNAome in rainbow trout: Implications for posttranscriptional regulation of metabolic pathways. PLoS ONE, 2019, 14, e0217978.	1.1	14
36	Pck-ing up steam: Widening the salmonid gluconeogenic gene duplication trail. Gene, 2019, 698, 129-140.	1.0	12

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37	Unexpected effect of insulin on glucose disposal explains glucose intolerance of rainbow trout. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 316, R387-R394.	0.9	12
38	Epigenetic and post-transcriptional repression support metabolic suppression in chronically hypoxic goldfish. Scientific Reports, 2022, 12, 5576.	1.6	12
39	Glucagon regulation of carbohydrate metabolism in rainbow trout: in vivo glucose fluxes and gene expression. Journal of Experimental Biology, 2019, 222, .	0.8	11
40	Genetic ablation of bone marrow beta-adrenergic receptors in mice modulates miRNA-transcriptome networks of neuroinflammation in the paraventricular nucleus. Physiological Genomics, 2020, 52, 169-177.	1.0	9
41	Transgenerational effects of polychlorinated biphenyls: 2. Hypothalamic gene expression in rats. Biology of Reproduction, 2021, 105, 690-704.	1.2	9
42	A reproductive role for the nonapeptides vasotocin and isotocin in male zebrafish (Danio rerio). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2019, 238, 110333.	0.7	8
43	Meta-analysis of differentially-regulated hepatic microRNAs identifies candidate post-transcriptional regulation networks of intermediary metabolism in rainbow trout. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2020, 36, 100750.	0.4	7
44	Comparative epigenetics in animal physiology: An emerging frontier. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2020, 36, 100745.	0.4	6
45	Alanine alters the carbohydrate metabolism of rainbow trout: glucose flux and cell signaling. Journal of Experimental Biology, 2021, 224, .	0.8	6
46	Metabolic Consequences of Developmental Exposure to Polystyrene Nanoplastics, the Flame Retardant BDE-47 and Their Combination in Zebrafish. Frontiers in Pharmacology, 2022, 13, 822111.	1.6	5
47	Social status-dependent regulation and function of the somatotropic axis in juvenile rainbow trout. Molecular and Cellular Endocrinology, 2022, 554, 111709.	1.6	1
48	Bioinformatic Approach to Identify Penultimate Amino Acids Efficient for N-Terminal Methionine Excision. , 2007, , .		0
49	Recent advances in comparative epigenetics. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2021, 37, 100783.	0.4	0
50	Consequences on Gametogenesis and Reproduction Performances of a High Carbohydrate Nutrition During the Whole Reproductive Cycle of Male and Female Trout. FASEB Journal, 2019, 33, 591.1.	0.2	0