

# Per-Erik Olsson

## List of Publications by Citations

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52  
papers

1,531  
citations

22  
h-index

38  
g-index

55  
ext. papers

1,776  
ext. citations

5.2  
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4.75  
L-index

#	Paper	IF	Citations
52	Generating transparent zebrafish: a refined method to improve detection of gene expression during embryonic development. <i>Marine Biotechnology</i> , <b>2001</b> , 3, 522-7	3.4	213
51	Zebrafish sex determination and differentiation: involvement of FTZ-F1 genes. <i>Reproductive Biology and Endocrinology</i> , <b>2005</b> , 3, 63	5	132
50	Long and winding roads: testis differentiation in zebrafish. <i>Molecular and Cellular Endocrinology</i> , <b>2009</b> , 312, 35-41	4.4	118
49	Zebrafish androgen receptor: isolation, molecular, and biochemical characterization. <i>Biology of Reproduction</i> , <b>2008</b> , 78, 361-9	3.9	96
48	Molecular cloning and characterization of a nuclear androgen receptor activated by 11-ketotestosterone. <i>Reproductive Biology and Endocrinology</i> , <b>2005</b> , 3, 37	5	72
47	Structural and functional analysis of the rainbow trout ( <i>Oncorhynchus mykiss</i> ) metallothionein-A gene. <i>FEBS Journal</i> , <b>1995</b> , 230, 344-9		69
46	Diastereomers of the brominated flame retardant 1,2-dibromo-4-(1,2 dibromoethyl)cyclohexane induce androgen receptor activation in the hepg2 hepatocellular carcinoma cell line and the Incap prostate cancer cell line. <i>Environmental Health Perspectives</i> , <b>2009</b> , 117, 1853-9	8.4	55
45	Identification of the brominated flame retardant 1,2-dibromo-4-(1,2-dibromoethyl)cyclohexane as an androgen agonist. <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 7366-72	8.3	54
44	Di(2-ethylhexyl) phthalate and diethyl phthalate disrupt lipid metabolism, reduce fecundity and shortens lifespan of <i>Caenorhabditis elegans</i> . <i>Chemosphere</i> , <b>2018</b> , 190, 375-382	8.4	50
43	Activation of NF- $\kappa$ B protein prevents the transition from juvenile ovary to testis and promotes ovarian development in zebrafish. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 37926-38	5.4	46
42	Bioaccumulation of selected PCBs in zebrafish, three-spined stickleback, and arctic char after three different routes of exposure. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2001</b> , 40, 519-30	3.2	46
41	The brominated flame retardant TBECHE activates the zebrafish ( <i>Danio rerio</i> ) androgen receptor, alters gene transcription and causes developmental disturbances. <i>Aquatic Toxicology</i> , <b>2013</b> , 142-143, 63-72	5.1	44
40	Early life-stage mortality in zebrafish ( <i>Danio rerio</i> ) following maternal exposure to polychlorinated biphenyls and estrogen. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 1582-1588	3.8	36
39	Involvement of differential metallothionein expression in free radical sensitivity of RTG-2 and CHSE-214 cells. <i>Free Radical Biology and Medicine</i> , <b>2000</b> , 28, 1628-37	7.8	36
38	Juvenile ovary to testis transition in zebrafish involves inhibition of ptges. <i>Biology of Reproduction</i> , <b>2014</b> , 91, 33	3.9	34
37	Arctic char ( <i>Salvelinus alpinus</i> ) metallothionein: cDNA sequence, expression, and tissue-specific inhibition of cadmium-mediated metallothionein induction by 17 $\beta$ -estradiol, 4-OH-PCB 30, and PCB 104. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 638-645	3.8	33
36	Zebrafish sexual behavior: role of sex steroid hormones and prostaglandins. <i>Behavioral and Brain Functions</i> , <b>2015</b> , 11, 23	4.1	32

35	Developmental expression patterns of FTZ-F1 homologues in zebrafish ( <i>Danio rerio</i> ). <i>General and Comparative Endocrinology</i> , <b>2001</b> , 121, 146-55	3	30
34	Short-term treatment of adult male zebrafish ( <i>Danio Rerio</i> ) with 17 $\beta$ -ethinyl estradiol affects the transcription of genes involved in development and male sex differentiation. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2014</b> , 164, 35-42	3.2	29
33	1,2-Dibromo-4-(1,2 dibromoethyl) cyclohexane (TBECH)-mediated steroid hormone receptor activation and gene regulation in chicken LMH cells. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 891-9	3.8	29
32	Identification of a group of brominated flame retardants as novel androgen receptor antagonists and potential neuronal and endocrine disrupters. <i>Environment International</i> , <b>2015</b> , 74, 60-70	12.9	27
31	In vitro analysis of inflammatory responses following environmental exposure to pharmaceuticals and inland waters. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 1452-60	10.2	22
30	Inhibition of retinoic acid synthesis disrupts spermatogenesis and fecundity in zebrafish. <i>General and Comparative Endocrinology</i> , <b>2015</b> , 217-218, 81-91	3	20
29	Perfluorinated alkyl substances impede growth, reproduction, lipid metabolism and lifespan in <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 737, 139682	10.2	16
28	Testis transcriptome alterations in zebrafish ( <i>Danio rerio</i> ) with reduced fertility due to developmental exposure to 17 $\beta$ -ethinyl estradiol. <i>General and Comparative Endocrinology</i> , <b>2018</b> , 262, 44-58	3	15
27	Comparative Analysis of Stress Induced Gene Expression in <i>Caenorhabditis elegans</i> following Exposure to Environmental and Lab Reconstituted Complex Metal Mixture. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132896	3.7	15
26	Heat Shock Factor 5 Is Essential for Spermatogenesis in Zebrafish. <i>Cell Reports</i> , <b>2018</b> , 25, 3252-3261.e4	10.6	13
25	Metal contaminated soil leachates from an art glass factory elicit stress response, alter fatty acid metabolism and reduce lifespan in <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , <b>2019</b> , 651, 2218-2227	10.2	12
24	Androgen receptor modulation following combination exposure to brominated flame-retardants. <i>Scientific Reports</i> , <b>2018</b> , 8, 4843	4.9	11
23	TBECH, 1,2-dibromo-4-(1,2 dibromoethyl) cyclohexane, alters androgen receptor regulation in response to mutations associated with prostate cancer. <i>Toxicology and Applied Pharmacology</i> , <b>2016</b> , 307, 91-101	4.6	11
22	Distinct transcriptional response of <i>Caenorhabditis elegans</i> to different exposure routes of perfluorooctane sulfonic acid. <i>Environmental Research</i> , <b>2019</b> , 168, 406-413	7.9	10
21	Zebrafish <i>cyp17a1</i> knockout reveals that androgen-mediated signaling is important for male brain sex differentiation. <i>General and Comparative Endocrinology</i> , <b>2020</b> , 295, 113490	3	9
20	The brominated flame retardants TBP-AE and TBP-DBPE antagonize the chicken androgen receptor and act as potential endocrine disrupters in chicken LMH cells. <i>Toxicology in Vitro</i> , <b>2015</b> , 29, 1993-2000	3.6	9
19	Species differences in ligand interaction and activation of estrogen receptors in fish and human. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2019</b> , 195, 105450	5.1	8
18	Contribution of pharmaceuticals, fecal bacteria and endotoxin to the inflammatory responses to inland waters. <i>Science of the Total Environment</i> , <b>2014</b> , 488-489, 228-35	10.2	8

17	Differential regulation of the rainbow trout ( <i>Oncorhynchus mykiss</i> ) MT-A gene by nuclear factor interleukin-6 and activator protein-1. <i>BMC Molecular Biology</i> , <b>2013</b> , 14, 28	4.5	8
16	LH- and FSH- mRNA expression in nesting and post-breeding three-spined stickleback, <i>Gasterosteus aculeatus</i> , and effects of castration on expression of LH- and FSH- and spiggin mRNA. <i>Fish Physiology and Biochemistry</i> , <b>2001</b> , 25, 311-317	2.7	8
15	The food preservative ethoxyquin impairs zebrafish development, behavior and alters gene expression profile. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 135, 110926	4.7	8
14	In silico and biological analysis of anti-androgen activity of the brominated flame retardants ATE, BATE and DPTE in zebrafish. <i>Chemico-Biological Interactions</i> , <b>2015</b> , 233, 35-45	5	7
13	Transcriptional responses of zebrafish to complex metal mixtures in laboratory studies overestimates the responses observed with environmental water. <i>Science of the Total Environment</i> , <b>2017</b> , 584-585, 1138-1146	10.2	6
12	Nonsteroidal anti-inflammatory drugs (NSAIDs) cause male-biased sex differentiation in zebrafish. <i>Aquatic Toxicology</i> , <b>2020</b> , 223, 105476	5.1	6
11	Germ cell depletion in zebrafish leads to incomplete masculinization of the brain. <i>General and Comparative Endocrinology</i> , <b>2018</b> , 265, 15-21	3	6
10	Regulation of zebrafish gonadal sex differentiation. <i>AIMS Molecular Science</i> , <b>2016</b> , 3, 567-584	0.9	6
9	Determination of the expression pattern of the dual promoter of zebrafish fushi tarazu factor-1a following microinjections into zebrafish one cell stage embryos. <i>General and Comparative Endocrinology</i> , <b>2005</b> , 142, 222-6	3	5
8	Sox9a regulation of ff1a in zebrafish ( <i>Danio rerio</i> ) suggests an involvement of ff1a in cartilage development. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2009</b> , 153, 39-43	2.6	3
7	Discovery of novel 5-methyl-1H-pyrazole derivatives as potential antiprostata cancer agents: Design, synthesis, molecular modeling, and biological evaluation. <i>Chemical Biology and Drug Design</i> , <b>2018</b> , 91, 1113-1124	2.9	2
6	Development of Escherichia coli-based gene expression profiling of sewage sludge leachates. <i>Journal of Applied Microbiology</i> , <b>2018</b> , 125, 1502-1517	4.7	2
5	In silico and in vitro assessment of androgen receptor antagonists. <i>Computational Biology and Chemistry</i> , <b>2021</b> , 92, 107490	3.6	2
4	Sublethal effects of DBE-DBCH diastereomers on physiology, behavior, and gene expression of <i>Daphnia magna</i> . <i>Environmental Pollution</i> , <b>2021</b> , 284, 117091	9.3	2
3	Lysinibacillus sphaericus mediates stress responses and attenuates arsenic toxicity in <i>Caenorhabditis elegans</i> .. <i>Science of the Total Environment</i> , <b>2022</b> , 155377	10.2	0
2	The brominated flame retardants TBEC and DPTE alter prostate growth, histology and gene expression patterns in the mouse. <i>Reproductive Toxicology</i> , <b>2021</b> , 102, 43-55	3.4	
1	Transcriptional responses of <i>Daphnia magna</i> exposed to Akaki river water.. <i>Environmental Monitoring and Assessment</i> , <b>2022</b> , 194, 349	3.1	