Christer Hogstrand

List of Publications by Year
in descending order

229	10,966	27035	51423
papers	citations	58 h-index	90 g-index

233	233	233	9863
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lipophagy mediated glucose-induced changes of lipid deposition and metabolism via ROS dependent AKT-Beclin1 activation. Journal of Nutritional Biochemistry, 2022, 100, 108882.	1.9	11
2	Copper (Cu) induced changes of lipid metabolism through oxidative stress-mediated autophagy and Nrf2/PPARÎ³ pathways. Journal of Nutritional Biochemistry, 2022, 100, 108883.	1.9	42
3	Mitochondria-Dependent Oxidative Stress Mediates ZnO Nanoparticle (ZnO NP)-Induced Mitophagy and Lipotoxicity in Freshwater Teleost Fish. Environmental Science & Technology, 2022, 56, 2407-2420.	4.6	39
4	Transgenerational effects of zinc in zebrafish following early life stage exposure. Science of the Total Environment, 2022, 828, 154443.	3.9	8
5	Dietary Choline Alleviates High-Fat Diet-Induced Hepatic Lipid Dysregulation via UPRmt Modulated by SIRT3-Mediated mtHSP70 Deacetylation. International Journal of Molecular Sciences, 2022, 23, 4204.	1.8	8
6	Sirt3-Sod2-mROS-Mediated Manganese Triggered Hepatic Mitochondrial Dysfunction and Lipotoxicity in a Freshwater Teleost. Environmental Science & Technology, 2022, 56, 8020-8033.	4.6	15
7	The ZIP6/ZIP10 heteromer is essential for the zinc-mediated trigger of mitosis. Cellular and Molecular Life Sciences, 2021, 78, 1781-1798.	2.4	31
8	Developingin vitromodels to assess fish gill excretion of emerging contaminants. Analytical Methods, 2021, 13, 1470-1478.	1.3	5
9	Dietary Trivalent Chromium Exposure Up-Regulates Lipid Metabolism in Coral Trout: The Evidence From Transcriptome Analysis. Frontiers in Physiology, 2021, 12, 640898.	1.3	13
10	Evaluation of the shucking of certain species of scallops contaminated with lipophilic toxins with a view to the production of edible parts meeting the safety requirements foreseen in the Union legislation. EFSA Journal, 2021, 19, e06422.	0.9	2
11	The transCampus Metabolic Training Programme Explores the Link of SARS-CoV-2 Virus to Metabolic Disease. Hormone and Metabolic Research, 2021, 53, 204-206.	0.7	2
12	Zn Induces Lipophagy via the Deacetylation of Beclin1 and Alleviates Cu-Induced Lipotoxicity at Their Environmentally Relevant Concentrations. Environmental Science & Technology, 2021, 55, 4943-4953.	4.6	29
13	Update of the risk assessment of hexabromocyclododecanes (HBCDDs) in food. EFSA Journal, 2021, 19, e06421.	0.9	15
14	Effect of Water pH on the Uptake of Acidic (Ibuprofen) and Basic (Propranolol) Drugs in a Fish Gill Cell Culture Model. Environmental Science & Technology, 2021, 55, 6848-6856.	4.6	13
15	Effects of Low-Dose Gestational TCDD Exposure on Behavior and on Hippocampal Neuron Morphology and Gene Expression in Mice. Environmental Health Perspectives, 2021, 129, 57002.	2.8	11
16	Methionine-chelated Zn promotes anabolism by integrating mTOR signal and autophagy pathway in juvenile yellow catfish. Journal of Trace Elements in Medicine and Biology, 2021, 65, 126732.	1.5	14
17	Evaluation of the shucking of certain species of scallops contaminated with domoic acid with a view to the production of edible parts meeting the safety requirements foreseen in the Union legislation. EFSA Journal, 2021, 19, e06809.	0.9	1
18	Environmentally relevant concentrations of oxytetracycline and copper increased liver lipid deposition through inducing oxidative stress and mitochondria dysfunction in grass carp Ctenopharyngodon idella. Environmental Pollution, 2021, 283, 117079.	3.7	32

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19	Cultured rainbow trout gill epithelium as an in vitro method for marine ecosystem toxicological studies. Heliyon, 2021, 7, e08018.	1.4	1
20	Estrogenicity of chemical mixtures revealed by a panel of bioassays. Science of the Total Environment, 2021, 785, 147284.	3.9	19
21	Oxidized fish oils increased lipid deposition via oxidative stress-mediated mitochondrial dysfunction and the CREB1-Bcl2-Beclin1 pathway in the liver tissues and hepatocytes of yellow catfish. Food Chemistry, 2021, 360, 129814.	4.2	33
22	Guidance Document on Scientific criteria for grouping chemicals into assessment groups for human risk assessment of combined exposure to multiple chemicals. EFSA Journal, 2021, 19, e07033.	0.9	35
23	Assessment of an application on a detoxification process of groundnut press cake for aflatoxins by ammoniation. EFSA Journal, 2021, 19, e07035.	0.9	4
24	Lipophagy mediated carbohydrate-induced changes of lipid metabolism via oxidative stress, endoplasmic reticulum (ER) stress and ChREBP/PPARÎ³ pathways. Cellular and Molecular Life Sciences, 2020, 77, 1987-2003.	2.4	108
25	Risk to human health related to the presence of perfluoroalkyl substances in food. EFSA Journal, 2020, 18, e06223.	0.9	255
26	Waterborne copper exposure up-regulated lipid deposition through the methylation of GRP78 and PGC1Î± of grass carp Ctenopharyngodon idella. Ecotoxicology and Environmental Safety, 2020, 205, 111089.	2.9	21
27	The zebrafish Znt1asa17 mutant reveals roles of zinc transporter-1a in embryonic development. Journal of Trace Elements in Medicine and Biology, 2020, 60, 126496.	1.5	10
28	Update of the risk assessment of nickel in food and drinking water. EFSA Journal, 2020, 18, e06268.	0.9	67
29	Risk assessment of nitrate and nitrite in feed. EFSA Journal, 2020, 18, e06290.	0.9	16
30	Risk assessment of glycoalkaloids in feed and food, in particular in potatoes and potatoâ€derived products. EFSA Journal, 2020, 18, e06222.	0.9	36
31	Risk assessment of ochratoxin A in food. EFSA Journal, 2020, 18, e06113.	0.9	99
32	Hatching gland development and hatching in zebrafish embryos: A role for zinc and its transporters Zip10 and Znt1a. Biochemical and Biophysical Research Communications, 2020, 528, 698-705.	1.0	18
33	Risk assessment of chlorinated paraffins in feed and food. EFSA Journal, 2020, 18, e05991.	0.9	20
34	FXR-mediated inhibition of autophagy contributes to FA-induced TG accumulation and accordingly reduces FA-induced lipotoxicity. Cell Communication and Signaling, 2020, 18, 47.	2.7	35
35	Risk assessment of aflatoxins in food. EFSA Journal, 2020, 18, e06040.	0.9	172
36	Creb-Pgc1Î± pathway modulates the interaction between lipid droplets and mitochondria and influences high fat diet-induced changes of lipid metabolism in the liver and isolated hepatocytes of yellow catfish. Journal of Nutritional Biochemistry, 2020, 80, 108364.	1.9	29

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37	The AHR pathway represses TGFÎ²-SMAD3 signalling and has a potent tumour suppressive role in SHH medulloblastoma. Scientific Reports, 2020, 10, 148.	1.6	22
38	Guidance on harmonised methodologies for human health, animal health and ecological risk assessment of combined exposure to multiple chemicals. EFSA Journal, 2019, 17, e05634.	0.9	201
39	Evaluation of the health risks related to the presence of cyanogenic glycosides in foods other than raw apricot kernels. EFSA Journal, 2019, 17, e05662.	0.9	35
40	ZnT8 Haploinsufficiency Impacts MIN6 Cell Zinc Content and Î²-Cell Phenotype via ZIP-ZnT8 Coregulation. International Journal of Molecular Sciences, 2019, 20, 5485.	1.8	7
41	Evaluation of calcium lignosulfonate as a acceptable previous cargo for edible fats and oils. EFSA Journal, 2019, 17, e05951.	0.9	0
42	Scientific opinion on the risks for animal and human health related to the presence of quinolizidine alkaloids in feed and food, in particular in lupins and lupinâ€derived products. EFSA Journal, 2019, 17, e05860.	0.9	84
43	The Use of Molecular Descriptors To Model Pharmaceutical Uptake by a Fish Primary Gill Cell Culture Epithelium. Environmental Science & Technology, 2019, 53, 1576-1584.	4.6	14
44	Role of Zinc and Magnesium Ions in the Modulation of Phosphoryl Transfer in Protein Tyrosine Phosphatase 1B. Journal of the American Chemical Society, 2018, 140, 4446-4454.	6.6	23
45	Risks to human and animal health related to the presence of moniliformin in food and feed. EFSA Journal, 2018, 16, e05082.	0.9	22
46	Effect on public health of a possible increase of the maximum level for â€˜aflatoxin totalâ€™ from 4 to 10ÂÎ¼g/kg in peanuts and processed products thereof, intended for direct human consumption or use as an ingredient in foodstuffs. EFSA Journal, 2018, 16, e05175.	0.9	21
47	The Câ€terminal cytosolic domain of the human zinc transporter ZnT8 and its diabetes risk variant. FEBS Journal, 2018, 285, 1237-1250.	2.2	34
48	Update of the risk assessment on 3â€monochloropropane diol and its fatty acid esters. EFSA Journal, 2018, 16, e05083.	0.9	64
49	Changes in zinc status and zinc transporters expression in whole blood of patients with Systemic Inflammatory Response Syndrome (SIRS). Journal of Trace Elements in Medicine and Biology, 2018, 49, 202-209.	1.5	20
50	Prolonged stimulation of insulin release from MIN6 cells causes zinc depletion and loss of Î²-cell markers. Journal of Trace Elements in Medicine and Biology, 2018, 49, 51-59.	1.5	11
51	Parallel in vivo and in vitro transcriptomics analysis reveals calcium and zinc signalling in the brain as sensitive targets of HBCD neurotoxicity. Archives of Toxicology, 2018, 92, 1189-1203.	1.9	16
52	EFSA Scientific Colloquium 24 â€“ 'omics in risk assessment: state of the art and next steps. EFSA Supporting Publications, 2018, 15, 1512E.	0.3	29
53	Risk to human health related to the presence of perfluorooctane sulfonic acid and perfluorooctanoic acid in food. EFSA Journal, 2018, 16, e05194.	0.9	171
54	Risk to human and animal health related to the presence of 4,15â€diacetoxyscirpenol in food and feed. EFSA Journal, 2018, 16, e05367.	0.9	16

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55	Update of the Scientific Opinion on opium alkaloids in poppy seeds. EFSA Journal, 2018, 16, e05243.	0.9	31
56	Risk for animal and human health related to the presence of dioxins and dioxinâ€like PCBs in feed and food. EFSA Journal, 2018, 16, e05333.	0.9	110
57	Appropriateness to set a group healthâ€based guidance value for fumonisins and their modified forms. EFSA Journal, 2018, 16, e05172.	0.9	45
58	Impact of Various Factors on Color Stability of Fresh Blueberry Juice during Storage. Preventive Nutrition and Food Science, 2018, 23, 46-51.	0.7	13
59	Machine Learning for Environmental Toxicology: A Call for Integration and Innovation. Environmental Science & Technology, 2018, 52, 12953-12955.	4.6	34
60	Ecological Recovery and Resilience in Environmental Risk Assessments at the European Food Safety Authority. Integrated Environmental Assessment and Management, 2018, 14, 586-591.	1.6	17
61	Update: methodological principles and scientific methods to be taken into account when establishing Reference Points for Action (RPAs) for nonâ€allowed pharmacologically active substances present in food of animal origin. EFSA Journal, 2018, 16, e05332.	0.9	5
62	Assessment of a decontamination process for dioxins and PCBs from fish meal by replacement of fish oil. EFSA Journal, 2018, 16, e05174.	0.9	2
63	Low dose exposure to HBCD, CB-153 or TCDD induces histopathological and hormonal effects and changes in brain protein and gene expression in juvenile female BALB/c mice. Reproductive Toxicology, 2018, 80, 105-116.	1.3	22
64	Assessment of a decontamination process for dioxins and PCBs from fish meal by hexane extraction and replacement of fish oil. EFSA Journal, 2018, 16, e05173.	0.9	2
65	Zn Stimulates the Phospholipids Biosynthesis via the Pathways of Oxidative and Endoplasmic Reticulum Stress in the Intestine of Freshwater Teleost Yellow Catfish. Environmental Science & Technology, 2018, 52, 9206-9214.	4.6	51
66	Zinc reduces hepatic lipid deposition and activates lipophagy via Zn ²⁺ /MTFâ€1/PPARÎ± and Ca ²⁺ /CaMKKÎ²/AMPK pathways. FASEB Journal, 2018, 32, 6666-6680.	0.2	99
67	Biokinetic Modeling of Cd Bioaccumulation from Water, Diet and Sediment in a Marine Benthic Goby: A Triple Stable Isotope Tracing Technique. Environmental Science & Technology, 2018, 52, 8429-8437.	4.6	8
68	SREBP1, PPARG and AMPK pathways mediated the Cu-induced change in intestinal lipogenesis and lipid transport of yellow catfish Pelteobagrus fulvidraco. Food Chemistry, 2018, 269, 595-602.	4.2	21
69	Upstream regulators of apoptosis mediates methionine-induced changes of lipid metabolism. Cellular Signalling, 2018, 51, 176-190.	1.7	37
70	Zinc uptake in fish intestinal epithelial model RTgutGC: Impact of media ion composition and methionine chelation. Journal of Trace Elements in Medicine and Biology, 2018, 50, 377-383.	1.5	25
71	From sea squirts to squirrelfish: facultative trace element hyperaccumulation in animals. Metallomics, 2018, 10, 777-793.	1.0	12
72	Risks for animal health related to the presence of fumonisins, their modified forms and hidden forms in feed. EFSA Journal, 2018, 16, e05242.	0.9	56

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73	Endoplasmic reticulum (ER) stress and cAMP/PKA pathway mediated Zn-induced hepatic lipolysis. Environmental Pollution, 2017, 228, 256-264.	3.7	52
74	Scientific opinion on the evaluation of substances as acceptable previous cargoes for edible fats and oils. EFSA Journal, 2017, 15, e04656.	0.9	12
75	Dietary zinc addition influenced zinc and lipid deposition in the fore- and mid-intestine of juvenile yellow catfishPelteobagrus fulvidraco. British Journal of Nutrition, 2017, 118, 570-579.	1.2	22
76	Guidance on the use of the weight of evidence approach in scientific assessments. EFSA Journal, 2017, 15, e04971.	0.9	221
77	Risks for animal health related to the presence of zearalenone and its modified forms in feed. EFSA Journal, 2017, 15, e04851.	0.9	115
78	Risks for human health related to the presence of pyrrolizidine alkaloids in honey, tea, herbal infusions and food supplements. EFSA Journal, 2017, 15, e04908.	0.9	112
79	Risks for public health related to the presence of furan and methylfurans in food. EFSA Journal, 2017, 15, e05005.	0.9	62
80	Differential cytolocation and functional assays of the two major human SLC30A8 (ZnT8) isoforms. Journal of Trace Elements in Medicine and Biology, 2017, 44, 116-124.	1.5	20
81	Presence of free gossypol in whole cottonseed. EFSA Journal, 2017, 15, e04850.	0.9	13
82	Expression of the ZIP/SLC39A transporters in Î²-cells: a systematic review and integration of multiple datasets. BMC Genomics, 2017, 18, 719.	1.2	14
83	Assessment of a decontamination process for dioxins and dioxinâ€like PCBs in fish oil by physical filtration with activated carbon. EFSA Journal, 2017, 15, e04961.	0.9	2
84	Effect and mechanism of waterborne prolonged Zn exposure influencing hepatic lipid metabolism in javelin goby Synechogobius hasta. Journal of Applied Toxicology, 2016, 36, 886-895.	1.4	15
85	The metal face of protein tyrosine phosphatase 1B. Coordination Chemistry Reviews, 2016, 327-328, 70-83.	9.5	73
86	Expression of the zinc importer protein ZIP9/SLC39A9 in glioblastoma cells affects phosphorylation states of p53 and GSK-3Î² and causes increased cell migration. BioMetals, 2016, 29, 995-1004.	1.8	15
87	Zinc transporter ZIP10 forms a heteromer with ZIP6 which regulates embryonic development and cell migration. Biochemical Journal, 2016, 473, 2531-2544.	1.7	79
88	Endoplasmic reticulum stress and disturbed calcium homeostasis are involved in copper-induced alteration in hepatic lipid metabolism in yellow catfish Pelteobagrus fulvidraco. Chemosphere, 2016, 144, 2443-2453.	4.2	57
89	Procedures for the reconstruction, primary culture and experimental use of rainbow trout gill epithelia. Nature Protocols, 2016, 11, 490-498.	5.5	28
90	A primary fish gill cell culture model to assess pharmaceutical uptake and efflux: Evidence for passive and facilitated transport. Aquatic Toxicology, 2015, 159, 127-137.	1.9	49

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91	Environmental monitoring of urban streams using a primary fish gill cell culture system (FIGCS). Ecotoxicology and Environmental Safety, 2015, 120, 279-285.	2.9	18
92	Multiphoton luminescence imaging of chemically functionalized multi-walled carbon nanotubes in cells and solid tumors. Chemical Communications, 2015, 51, 9366-9369.	2.2	20
93	Immobilization of Shewanella oneidensis MR-1 in diffusive gradients in thin films for determining metal bioavailability. Chemosphere, 2015, 138, 309-315.	4.2	2
94	Mixtures of Chemical Pollutants at European Legislation Safety Concentrations: How Safe Are They?. Toxicological Sciences, 2014, 141, 218-233.	1.4	108
95	Cross-omics gene and protein expression profiling in juvenile female mice highlights disruption of calcium and zinc signalling in the brain following dietary exposure to CB-153, BDE-47, HBCD or TCDD. Toxicology, 2014, 321, 1-12.	2.0	46
96	Gill cell culture systems as models for aquatic environmental monitoring. Journal of Experimental Biology, 2014, 217, 639-650.	0.8	55
97	Zinc ions modulate protein tyrosine phosphatase 1B activity. Metallomics, 2014, 6, 1229-1239.	1.0	90
98	Uptake epithelia behave in a cell-centric and not systems homeostatic manner in response to zinc depletion and supplementation. Metallomics, 2014, 6, 154-165.	1.0	13
99	Liver transcriptome analysis of Atlantic cod (Gadus morhua) exposed to PCB 153 indicates effects on cell cycle regulation and lipid metabolism. BMC Genomics, 2014, 15, 481.	1.2	35
100	A primary FIsh Gill Cell System (FIGCS) for environmental monitoring of river waters. Aquatic Toxicology, 2014, 154, 184-192.	1.9	32
101	Global transcriptome analysis of Atlantic cod (Gadus morhua) liver after in vivo methylmercury exposure suggests effects on energy metabolism pathways. Aquatic Toxicology, 2013, 126, 314-325.	1.9	51
102	Dietary exposure of juvenile female mice to polyhalogenated seafood contaminants (HBCD, BDE-47,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Toxicology, 2013, 56, 443-449.	1.8	47
103	A mechanism for epithelialâ€“mesenchymal transition and anoikis resistance in breast cancer triggered by zinc channel ZIP6 and STAT3 (signal transducer and activator of transcription 3). Biochemical Journal, 2013, 455, 229-237.	1.7	102
104	Protein Kinase CK2 Triggers Cytosolic Zinc Signaling Pathways by Phosphorylation of Zinc Channel ZIP7. Science Signaling, 2012, 5, ra11.	1.6	238
105	Protein kinase CK2 opens the gate for zinc signaling. Cell Cycle, 2012, 11, 1863-1864.	1.3	27
106	Picomolar Concentrations of Free Zinc(II) Ions Regulate Receptor Protein-tyrosine Phosphatase Î² Activity. Journal of Biological Chemistry, 2012, 287, 9322-9326.	1.6	132
107	Copper and zinc detoxification in Gammarus pulex (L.). Journal of Experimental Biology, 2012, 215, 822-832.	0.8	18
108	Cerebral gene expression and neurobehavioural responses in mice pups exposed to methylmercury and docosahexaenoic acid through the maternal diet. Environmental Toxicology and Pharmacology, 2012, 33, 26-38.	2.0	10

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109	Zinc Hyperaccumulation in Squirrelfish (Holocentrus adscenscionis) and Its Role in Embryo Viability. PLoS ONE, 2012, 7, e46127.	1.1	13
110	Differential tolerance of two Gammarus pulex populations transplanted from different metallogenic regions to a polymetal gradient. Aquatic Toxicology, 2011, 102, 95-103.	1.9	53
111	Physiological response to a metal-contaminated invertebrate diet in zebrafish: Importance of metal speciation and regulation of metal transport pathways. Aquatic Toxicology, 2011, 105, 21-28.	1.9	16
112	The effect of metal pollution on the population genetic structure of brown trout (Salmo trutta L.) residing in the River Hayle, Cornwall, UK. Environmental Pollution, 2011, 159, 3595-3603.	3.7	42
113	Cerebral gene expression in response to single or combined gestational exposure to methylmercury and selenium through the maternal diet. Cell Biology and Toxicology, 2011, 27, 181-197.	2.4	14
114	Cerebral gene expression and neurobehavioural development after perinatal exposure to an environmentally relevant polybrominated diphenylether (BDE47). Cell Biology and Toxicology, 2011, 27, 343-61.	2.4	8
115	Dynamic transcriptomic profiles of zebrafish gills in response to zinc depletion. BMC Genomics, 2010, 11, 548.	1.2	26
116	Dynamic transcriptomic profiles of zebrafish gills in response to zinc supplementation. BMC Genomics, 2010, 11, 553.	1.2	44
117	Bioavailability of a natural leadâ€contaminated invertebrate diet to zebrafish. Environmental Toxicology and Chemistry, 2010, 29, 708-714.	2.2	17
118	Cadmium bound to metal rich granules and exoskeleton from Gammarus pulex causes increased gut lipid peroxidation in zebrafish following single dietary exposure. Aquatic Toxicology, 2010, 96, 124-129.	1.9	29
119	Differential uptake and oxidative stress response in zebrafish fed a single dose of the principal copper and zinc enriched sub-cellular fractions of Gammarus pulex. Aquatic Toxicology, 2010, 99, 466-472.	1.9	10
120	Methylmercury Speciation Influences Brain Gene Expression and Behavior in Gestationally-Exposed Mice Pups. Toxicological Sciences, 2009, 110, 389-400.	1.4	43
121	Gene expression endpoints following chronic waterborne copper exposure in a genomic model organism, the zebrafish, Danio rerio. Physiological Genomics, 2009, 40, 23-33.	1.0	45
122	Chromosomal genes conferring tolerance to heavy metal (Ag) toxicity. The Environmentalist, 2009, 29, 85-92.	0.7	1
123	Trout density and health in a stream with variable water temperatures and trace element concentrations: Does a coldâ€water source attract trout to increased metal exposure?. Environmental Toxicology and Chemistry, 2009, 28, 800-808.	2.2	16
124	Zinc transporters and cancer: a potential role for ZIP7 as a hub for tyrosine kinase activation. Trends in Molecular Medicine, 2009, 15, 101-111.	3.5	195
125	An in vitro method to assess toxicity of waterborne metals to fish. Toxicology and Applied Pharmacology, 2008, 230, 67-77.	1.3	46
126	Natural Arsenic Contaminated Diets Perturb Reproduction in Fish. Environmental Science & Technology, 2008, 42, 5354-5360.	4.6	82

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127	Cortisol stimulates the zinc signaling pathway and expression of metallothioneins and ZnT1 in rainbow trout gill epithelial cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R623-R629.	0.9	15
128	Regulation of ZIP and ZnT zinc transporters in zebrafish gill: zinc repression of ZIP10 transcription by an intronic MRE cluster. Physiological Genomics, 2008, 34, 205-214.	1.0	87
129	Zinc-controlled gene expression by metal-regulatory transcription factor 1 (MTF1) in a model vertebrate, the zebrafish. Biochemical Society Transactions, 2008, 36, 1252-1257.	1.6	60
130	Regulation of branchial zinc uptake by 1Î±,25-(OH)2D3 in rainbow trout and associated changes in expression of ZIP1 and ECaC. Aquatic Toxicology, 2007, 84, 142-152.	1.9	23
131	Influence of Culture Conditions on Metal-Induced Responses in a Cultured Rainbow Trout Gill Epithelium. Environmental Science & Technology, 2007, 41, 6505-6513.	4.6	22
132	Dietary phenolic antioxidants, caffeic acid and Trolox, protect rainbow trout gill cells from nitric oxide-induced apoptosis. Aquatic Toxicology, 2006, 80, 321-328.	1.9	60
133	A newly identified CpG oligodeoxynucleotide motif that stimulates rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock Immunology, 2006, 30, 311-324.	1.0	9
134	Cytotoxicity of Nitric Oxide Is Alleviated by Zinc-Mediated Expression of Antioxidant Genes. Experimental Biology and Medicine, 2006, 231, 1555-1563.	1.1	47
135	Identification, cloning and characterization of a plasma membrane zinc efflux transporter, TrZnT-1, from fugu pufferfish (Takifugu rubripes). Biochemical Journal, 2006, 394, 485-493.	1.7	26
136	INFLUENCE OF SALINITY AND ORGANIC CARBON ON THE CHRONIC TOXICITY OF SILVER TO MYSIDS (AMERICAMYSIS BAHIA) AND SILVERSIDES (MENIDIA BERYLLINA). Environmental Toxicology and Chemistry, 2006, 25, 1809.	2.2	10
137	Molecular cloning and functional characterization of a high-affinity zinc importer (DrZIP1) from zebrafish (Danio rerio). Biochemical Journal, 2005, 388, 745-754.	1.7	28
138	Functional expression of a low-affinity zinc uptake transporter (FrZIP2) from pufferfish (Takifugu rubripes) in MDCK cells. Biochemical Journal, 2005, 390, 777-786.	1.7	35
139	The phylogeny of teleost ZIP and ZnT zinc transporters and their tissue specific expression and response to zinc in zebrafish. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2005, 1732, 88-95.	2.4	64
140	ZINC-mediated gene expression offers protection against HO-induced cytotoxicity. Toxicology and Applied Pharmacology, 2005, 205, 225-236.	1.3	111
141	Bicarbonate secretion plays a role in chloride and water absorption of the European flounder intestine. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R936-R946.	0.9	78
142	Functional characterisation and genomic analysis of an epithelial calcium channel (ECaC) from pufferfish, Fugu rubripes. Gene, 2004, 342, 113-123.	1.0	81
143	Intestinal zinc uptake in freshwater rainbow trout: evidence for apical pathways associated with potassium efflux and modified by calcium. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1663, 214-221.	1.4	15
144	Physiology and endocrinology of zinc accumulation during the female squirrelfish reproductive cycle. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2003, 134, 819-828.	0.8	24

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145	Zinc uptake across the apical membrane of freshwater rainbow trout intestine is mediated by high affinity, low affinity, and histidine-facilitated pathways. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1614, 211-219.	1.4	53
146	Effects of dissolved metals and other hydrominerals on in vivo intestinal zinc uptake in freshwater rainbow trout. Aquatic Toxicology, 2003, 62, 281-293.	1.9	43
147	Internal redistribution of radiolabelled silver among tissues of rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 2003, 63, 139-157.	1.9	24
148	Activation of the rainbow trout metallothionein-A promoter by silver and zinc. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 134, 181-188.	0.7	35
149	Characterizing Aquatic Health Using Salmonid Mortality, Physiology, and Biomass Estimates in Streams with Elevated Concentrations of Arsenic, Cadmium, Copper, Lead, and Zinc in the Boulder River Watershed, Montana. Transactions of the American Fisheries Society, 2003, 132, 450-467.	0.6	45
150	Intestinal Zinc Uptake in Two Marine Teleosts, Squirrelfish (Holocentrus adscensionis) and Gulf Toadfish (Opsanus beta). Physiological and Biochemical Zoology, 2003, 76, 321-330.	0.6	20
151	Influence of Chloride and Metals on Silver Bioavailability to Atlantic Salmon (Salmo salar) and Rainbow Trout (Oncorhynchus mykiss) Yolk-Sac Fry. Environmental Science & Technology, 2002, 36, 2884-2888.	4.6	33
152	Application of genomics and proteomics for study of the integrated response to zinc exposure in a non-model fish species, the rainbow trout. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 133, 523-535.	0.7	120
153	The distribution kinetics of waterborne silver-110m in juvenile rainbow trout. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 131, 367-378.	1.3	6
154	Derivation of a toxicity-based model to predict how water chemistry influences silver toxicity to invertebrates. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 133, 259-270.	1.3	28
155	Binding and movement of silver in the intestinal epithelium of a marine teleost fish, the European flounder (Platichthys flesus). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 133, 125-135.	1.3	10
156	The biotic ligand model: a historical overview. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 133, 3-35.	1.3	355
157	Kinetics of radiolabelled silver uptake and depuration in the gills of rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 2002, 56, 197-213.	1.9	36
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159	In vivocharacterisation of intestinal zinc uptake in freshwater rainbow trout. Journal of Experimental Biology, 2002, 205, 141-150.	0.8	84
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