

Jared V Goldstone

List of Publications by Year in descending order

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72
papers

6,073
citations

126708

33
h-index

88477

70
g-index

75
all docs

75
docs citations

75
times ranked

7958
citing authors

#	ARTICLE	IF	CITATIONS
1	The Genome of the Sea Urchin <i>Strongylocentrotus purpuratus</i> . <i>Science</i> , 2006, 314, 941-952.	6.0	1,018
2	Genome sequence of the metazoan plant-parasitic nematode <i>Meloidogyne incognita</i> . <i>Nature Biotechnology</i> , 2008, 26, 909-915.	9.4	1,012
3	The African coelacanth genome provides insights into tetrapod evolution. <i>Nature</i> , 2013, 496, 311-316.	13.7	612
4	Identification and developmental expression of the full complement of Cytochrome P450 genes in Zebrafish. <i>BMC Genomics</i> , 2010, 11, 643.	1.2	339
5	Reactions of Hydroxyl Radical with Humic Substances: Bleaching, Mineralization, and Production of Bioavailable Carbon Substrates. <i>Environmental Science & Technology</i> , 2002, 36, 364-372.	4.6	255
6	The chemical defensome: Environmental sensing and response genes in the <i>Strongylocentrotus purpuratus</i> genome. <i>Developmental Biology</i> , 2006, 300, 366-384.	0.9	235
7	The cytochrome P450 genesis locus: the origin and evolution of animal cytochrome P450s. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120474.	1.8	147
8	Uncoupling of cytochrome P450 1A and stimulation of reactive oxygen species production by co-planar polychlorinated biphenyl congeners. <i>Aquatic Toxicology</i> , 2006, 77, 422-432.	1.9	146
9	Chemistry of Superoxide Radical in Seawater: CDOM Associated Sink of Superoxide in Coastal Waters. <i>Environmental Science & Technology</i> , 2000, 34, 1043-1048.	4.6	144
10	Basal and 3,3',4,4',5-pentachlorobiphenyl-induced expression of cytochrome P450 1A, 1B and 1C genes in zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2007, 221, 29-41.	1.3	131
11	Effects of sunlight and hydroxyl radical on dissolved organic matter: Bacterial growth efficiency and production of carboxylic acids and other substrates. <i>Limnology and Oceanography</i> , 2004, 49, 2011-2022.	1.6	120
12	Glutathione redox dynamics and expression of glutathione-related genes in the developing embryo. <i>Free Radical Biology and Medicine</i> , 2013, 65, 89-101.	1.3	105
13	Cytochrome P450 1 Genes in Early Deuterostomes (Tunicates and Sea Urchins) and Vertebrates (Chicken and Frog): Origin and Diversification of the CYP1 Gene Family. <i>Molecular Biology and Evolution</i> , 2007, 24, 2619-2631.	3.5	84
14	Nrf2b, Novel Zebrafish Paralog of Oxidant-responsive Transcription Factor NF-E2-related Factor 2 (NRF2). <i>Journal of Biological Chemistry</i> , 2012, 287, 4609-4627.	1.6	83
15	Environmental sensing and response genes in cnidaria: the chemical defensome in the sea anemone <i>Nematostella vectensis</i> . <i>Cell Biology and Toxicology</i> , 2008, 24, 483-502.	2.4	77
16	Evolution of a Major Drug Metabolizing Enzyme Defect in the Domestic Cat and Other Felidae: Phylogenetic Timing and the Role of Hypercarnivory. <i>PLoS ONE</i> , 2011, 6, e18046.	1.1	71
17	Cytochrome P450 1D1: A novel CYP1A-related gene that is not transcriptionally activated by PCB126 or TCDD. <i>Archives of Biochemistry and Biophysics</i> , 2009, 482, 7-16.	1.4	69
18	Identification and expression of multiple CYP1-like and CYP3-like genes in the bivalve mollusk <i>Mytilus edulis</i> . <i>Aquatic Toxicology</i> , 2013, 128-129, 101-112.	1.9	68

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19	New cytochrome P450 1B1, 1C2 and 1D1 genes in the killifish <i>Fundulus heteroclitus</i> : Basal expression and response of five killifish CYP1s to the AHR agonist PCB126. <i>Aquatic Toxicology</i> , 2009, 93, 234-243.	1.9	64
20	The new vertebrate CYP1C family: Cloning of new subfamily members and phylogenetic analysis. <i>Biochemical and Biophysical Research Communications</i> , 2005, 331, 1016-1024.	1.0	62
21	<i>Caenorhabditis elegans</i> Generates Biologically Relevant Levels of Genotoxic Metabolites from Aflatoxin B1 but Not Benzo[a]pyrene In Vivo. <i>Toxicological Sciences</i> , 2010, 118, 444-453.	1.4	62
22	Species extrapolation for the 21st century. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 52-63.	2.2	60
23	The role of Nrf1 and Nrf2 in the regulation of glutathione and redox dynamics in the developing zebrafish embryo. <i>Redox Biology</i> , 2017, 13, 207-218.	3.9	58
24	Role of Pregnane X Receptor and Aryl Hydrocarbon Receptor in Transcriptional Regulation of pax, CYP2, and CYP3 Genes in Developing Zebrafish. <i>Toxicological Sciences</i> , 2015, 143, 398-407.	1.4	57
25	Identification of CYP genes in <i>Mytilus</i> (mussel) and <i>Crassostrea</i> (oyster) species: First approach to the full complement of cytochrome P450 genes in bivalves. <i>Marine Environmental Research</i> , 2010, 69, S1-S3.	1.1	47
26	Ensemble Modeling of Substrate Binding to Cytochromes P450: Analysis of Catalytic Differences between CYP1A Orthologs. <i>Biochemistry</i> , 2007, 46, 2640-2654.	1.2	45
27	Induction patterns of new CYP1 genes in environmentally exposed rainbow trout. <i>Aquatic Toxicology</i> , 2010, 98, 311-321.	1.9	45
28	On the occurrence of cytochrome P450 in viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12343-12352.	3.3	45
29	Functional characterization of a full length pregnane X receptor, expression in vivo, and identification of PXR alleles, in Zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2013, 142-143, 447-457.	1.9	44
30	Induction of cytochrome P450 1 genes and stress response genes in developing zebrafish exposed to ultraviolet radiation. <i>Aquatic Toxicology</i> , 2010, 98, 74-82.	1.9	41
31	Developmental Expression of the Nfe2-Related Factor (Nrf) Transcription Factor Family in the Zebrafish, <i>Danio rerio</i> . <i>PLoS ONE</i> , 2013, 8, e79574.	1.1	40
32	Perspectives on zebrafish as a model in environmental toxicology. <i>Fish Physiology</i> , 2010, , 367-439.	0.2	38
33	Genetic and structural analyses of cytochrome P450 hydroxylases in sex hormone biosynthesis: Sequential origin and subsequent coevolution. <i>Molecular Phylogenetics and Evolution</i> , 2016, 94, 676-687.	1.2	35
34	Cytochrome P450 CYP2 genes in the common cormorant: Evolutionary relationships with 130 diapsid CYP2 clan sequences and chemical effects on their expression. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 153, 280-289.	1.3	31
35	The cytochrome P450 2AA gene cluster in zebrafish (<i>Danio rerio</i>): Expression of CYP2AA1 and CYP2AA2 and response to phenobarbital-type inducers. <i>Toxicology and Applied Pharmacology</i> , 2013, 272, 172-179.	1.3	31
36	Environmental contaminants activate human and polar bear (<i>Ursus maritimus</i>) pregnane X receptors (PXR, NR1I2) differently. <i>Toxicology and Applied Pharmacology</i> , 2015, 284, 54-64.	1.3	31

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37	A Multicomponent Model of Chromophoric Dissolved Organic Matter Photobleaching. <i>Photochemistry and Photobiology</i> , 2004, 80, 52.	1.3	30
38	Cytochrome P450 1A, 1B, and 1C mRNA induction patterns in three-spined stickleback exposed to a transient and a persistent inducer. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 154, 42-55.	1.3	30
39	Cloning a new cytochrome P450 isoform (CYP356A1) from oyster <i>Crassostrea gigas</i> . <i>Marine Environmental Research</i> , 2008, 66, 15-18.	1.1	29
40	Independent losses of a xenobiotic receptor across teleost evolution. <i>Scientific Reports</i> , 2018, 8, 10404.	1.6	26
41	Myelin sheaths are formed with proteins that originated in vertebrate lineages. <i>Neuron Glia Biology</i> , 2008, 4, 137-152.	2.0	24
42	Identification, modeling and ligand affinity of early deuterostome CYP51s, and functional characterization of recombinant zebrafish sterol 14 α -demethylase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1825-1836.	1.1	24
43	Cytochrome P450 diversity and induction by gorgonian allelochemicals in the marine gastropod <i>Cyphoma gibbosum</i> . <i>BMC Ecology</i> , 2010, 10, 24.	3.0	23
44	Functional characterization of zebrafish cytochrome P450 1 family proteins expressed in yeast. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2340-2352.	1.1	23
45	Sex-dependent expression of anti-Müllerian hormone (amh) and amh receptor 2 during sex organ differentiation and characterization of the Müllerian duct development in <i>Xenopus tropicalis</i> . <i>General and Comparative Endocrinology</i> , 2016, 229, 132-144.	0.8	22
46	Proteomic identification, cDNA cloning and enzymatic activity of glutathione S-transferases from the generalist marine gastropod, <i>Cyphoma gibbosum</i> . <i>Archives of Biochemistry and Biophysics</i> , 2008, 478, 7-17.	1.4	21
47	Cytochrome P450 20A1 in zebrafish: Cloning, regulation and potential involvement in hyperactivity disorders. <i>Toxicology and Applied Pharmacology</i> , 2016, 296, 73-84.	1.3	20
48	Isolation and phylogeny of novel cytochrome P450 genes from tunicates (<i>Ciona</i> spp.): A CYP3 line in early deuterostomes?. <i>Molecular Phylogenetics and Evolution</i> , 2006, 40, 760-771.	1.2	19
49	Gene structure of the novel cytochrome P4501D1 genes in stickleback (<i>Gasterosteus aculeatus</i>) and medaka (<i>Oryzias latipes</i>). <i>Marine Environmental Research</i> , 2008, 66, 19-20.	1.1	19
50	New CYP1 genes in the frog <i>Xenopus (Silurana) tropicalis</i> : Induction patterns and effects of AHR agonists during development. <i>Toxicology and Applied Pharmacology</i> , 2011, 250, 170-183.	1.3	19
51	Concerning P450 Evolution: Structural Analyses Support Bacterial Origin of Sterol 14 α -Demethylases. <i>Molecular Biology and Evolution</i> , 2021, 38, 952-967.	3.5	19
52	The chemical defensome of five model teleost fish. <i>Scientific Reports</i> , 2021, 11, 10546.	1.6	19
53	Applying evolutionary genetics to developmental toxicology and risk assessment. <i>Reproductive Toxicology</i> , 2017, 69, 174-186.	1.3	15
54	The role of multixenobiotic transporters in predatory marine molluscs as counter-defense mechanisms against dietary allelochemicals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 152, 288-300.	1.3	14

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55	Expression and function of ryanodine receptor related pathways in PCB tolerant Atlantic killifish (<i>Fundulus heteroclitus</i>) from New Bedford Harbor, MA, USA. <i>Aquatic Toxicology</i> , 2015, 159, 156-166.	1.9	14
56	Ryanodine receptor and FK506 binding protein 1 in the Atlantic killifish (<i>Fundulus heteroclitus</i>): A phylogenetic and population-based comparison. <i>Aquatic Toxicology</i> , 2017, 192, 105-115.	1.9	13
57	Metabolic arsenal of giant viruses: Host hijack or self-use?. <i>ELife</i> , 0, 11, .	2.8	12
58	Molecular adaptation to high pressure in cytochrome P450 1A and aryl hydrocarbon receptor systems of the deep-sea fish <i>Coryphaenoides armatus</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 155-165.	1.1	9
59	CRISPR-Cas9-Mutated Pregnane X Receptor (<i>pxr</i>) Retains Pregnenolone-induced Expression of <i>cyp3a65</i> in Zebrafish (<i>Danio rerio</i>) Larvae. <i>Toxicological Sciences</i> , 2020, 174, 51-62.	1.4	9
60	Structural features of cytochrome P450 1A associated with the absence of EROD activity in liver of the loricatorid catfish <i>Pterygoplichthys</i> sp.. <i>Gene</i> , 2011, 489, 111-118.	1.0	8
61	EZR1: A Novel Family of Highly Expressed Retroelements Induced by TCDD and Regulated by a NF- κ B-Like Factor in Embryos of Zebrafish (<i>Danio rerio</i>). <i>Zebrafish</i> , 2012, 9, 15-25.	0.5	7
62	The cytochrome P450 (CYP) superfamily in cnidarians. <i>Scientific Reports</i> , 2021, 11, 9834.	1.6	7
63	Resolving the Rules of Robustness and Resilience in Biology Across Scales. <i>Integrative and Comparative Biology</i> , 2022, 61, 2163-2179.	0.9	7
64	Biochemical Mechanisms for Geographical Adaptations to Novel Toxin Exposures in Butterflyfish. <i>PLoS ONE</i> , 2016, 11, e0154208.	1.1	7
65	Developmental exposure to non-dioxin-like polychlorinated biphenyls promotes sensory deficits and disrupts dopaminergic and GABAergic signaling in zebrafish. <i>Communications Biology</i> , 2021, 4, 1129.	2.0	7
66	Sequence Variations in <i>pxr</i> (<i>nr1i2</i>) From Zebrafish (<i>Danio rerio</i>) Strains Affect Nuclear Receptor Function. <i>Toxicological Sciences</i> , 2019, 168, 28-39.	1.4	6
67	Orphan cytochrome P450 20a1 CRISPR/Cas9 mutants and neurobehavioral phenotypes in zebrafish. <i>Scientific Reports</i> , 2021, 11, 23892.	1.6	5
68	Resistance to Cyp3a induction by polychlorinated biphenyls, including non-dioxin-like PCB153, in gills of killifish (<i>Fundulus heteroclitus</i>) from New Bedford Harbor. <i>Environmental Toxicology and Pharmacology</i> , 2021, 83, 103580.	2.0	4
69	Polycyclic aromatic hydrocarbons modulate the activity of Atlantic cod (<i>Gadus morhua</i>) vitamin D receptor paralogs in vitro. <i>Aquatic Toxicology</i> , 2021, 238, 105914.	1.9	4
70	Developmental Regulation of Nuclear Factor Erythroid-2 Related Factors (<i>nrf2</i>) by AHR1b in Zebrafish (<i>Danio rerio</i>). <i>Toxicological Sciences</i> , 2019, 167, 536-545.	1.4	3
71	A Multicomponent Model of Chromophoric Dissolved Organic Matter Photobleaching. <i>Photochemistry and Photobiology</i> , 2004, 80, 52-60.	1.3	2
72	Methodological Approaches to Cytochrome P450 Profiling in Embryos. <i>Methods in Molecular Biology</i> , 2012, 889, 265-275.	0.4	0