

Martin Grosell

List of Publications by Year in descending order

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182
papers

8,031
citations

47006

47
h-index

64796

79
g-index

187
all docs

187
docs citations

187
times ranked

4861
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Ultraviolet avoidance by embryonic buoyancy control in three species of marine fish. <i>Science of the Total Environment</i> , 2022, 806, 150542. | 8.0 | 4 |
| 2 | An integrated systems-level model of the toxicity of brevetoxin based on high-resolution magic-angle spinning nuclear magnetic resonance (HRMAS NMR) metabolic profiling of zebrafish embryos. <i>Science of the Total Environment</i> , 2022, 803, 149858. | 8.0 | 11 |
| 3 | The developing zebrafish kidney is impaired by Deepwater Horizon crude oil early-life stage exposure: A molecular to whole-organism perspective. <i>Science of the Total Environment</i> , 2022, 808, 151988. | 8.0 | 11 |
| 4 | Physiological Responses of Fish to Oil Spills. <i>Annual Review of Marine Science</i> , 2021, 13, 137-160. | 11.6 | 23 |
| 5 | A marine teleost, <i>Opsanus beta</i> , compensates acidosis in hypersaline water by H ⁺ excretion or reduced HCO ₃ ⁻ excretion rather than HCO ₃ ⁻ uptake. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 85-98. | 1.5 | 0 |
| 6 | Quantifying the effects of pop-up satellite archival tags on the swimming performance and behavior of young-adult mahi-mahi (<i>Coryphaena hippurus</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 32-39. | 1.4 | 6 |
| 7 | Impacts of Petroleum, Petroleum Components, and Dispersants on Organisms and Populations. <i>Oceanography</i> , 2021, 34, 136-151. | 1.0 | 17 |
| 8 | The effects of acute temperature change and digestive status on in situ cardiac function in mahi-mahi (<i>Coryphaena hippurus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 255, 110915. | 1.8 | 1 |
| 9 | Magnesium transport in the glomerular kidney of the Gulf toadfish (<i>Opsanus beta</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 865-880. | 1.5 | 4 |
| 10 | Enhanced oxygen unloading in two marine percomorph teleosts. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 264, 111101. | 1.8 | 2 |
| 11 | Methods matter in repeating ocean acidification studies. <i>Nature</i> , 2020, 586, E20-E24. | 27.8 | 41 |
| 12 | Exposure to Hydraulic Fracturing Flowback Water Impairs Mahi-Mahi (<i>Coryphaena</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 <i>Science & Technology</i> , 2020, 54, 13579-13589. | 10.0 | 13 |
| 13 | The potential for salt toxicity: Can the trans-epithelial potential (TEP) across the gills serve as a metric for major ion toxicity in fish?. <i>Aquatic Toxicology</i> , 2020, 226, 105568. | 4.0 | 10 |
| 14 | Temperature sensitivity differs between heart and red muscle mitochondria in mahi-mahi (<i>Coryphaena</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T | 3.8 | 2 |
| 15 | Development of visual function in early life stage mahi-mahi (<i>Coryphaena hippurus</i>). <i>Marine and Freshwater Behaviour and Physiology</i> , 2020, 53, 203-214. | 0.9 | 3 |
| 16 | Ontogeny of Orientation during the Early Life History of the Pelagic Teleost Mahi-Mahi, <i>Coryphaena hippurus</i> Linnaeus, 1758. <i>Oceans</i> , 2020, 1, 237-250. | 1.3 | 3 |
| 17 | Tissue Accumulation and the Effects of Long-Term Dietary Copper Contamination on Osmoregulation in the Mudflat Fiddler Crab <i>Minuca rapax</i> (Crustacea, Ocypodidae). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 755-762. | 2.7 | 12 |
| 18 | Impacts of a local music festival on fish stress hormone levels and the adjacent underwater soundscape. <i>Environmental Pollution</i> , 2020, 265, 114925. | 7.5 | 13 |

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|----|--|------|-----------|
| 19 | A Mystery Tale: Nickel Is Fickle When Snails Fail” Investigating the Variability in Ni Toxicity to the Great Pond Snail. <i>Integrated Environmental Assessment and Management</i> , 2020, 16, 983-997. | 2.9 | 6 |
| 20 | Is aquaporinâ€³ involved in waterâ€permeability changes in the killifish during hypoxia and normoxic recovery, in freshwater or seawater?. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2020, 333, 511-525. | 1.9 | 10 |
| 21 | Salt-water acclimation of the estuarine crocodile <i>Crocodylus porosus</i> involves enhanced ion transport properties of the urodaeum and rectum. <i>Journal of Experimental Biology</i> , 2020, 223, . | 1.7 | 5 |
| 22 | Effects of Elevated CO 2 on Yellowfin tuna (<i>Thunnus albacares</i>) Early Life Stage Respiration and Ammonia Excretion. <i>FASEB Journal</i> , 2020, 34, 1-1. | 0.5 | 0 |
| 23 | The Effects of Ocean Acidification in the California sea hare (<i>Aplysia californica</i>). <i>FASEB Journal</i> , 2020, 34, 1-1. | 0.5 | 1 |
| 24 | Physiological impacts of Deepwater Horizon oil on fish. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 224, 108558. | 2.6 | 46 |
| 25 | Impacts of <i>Deepwater Horizon</i> Crude Oil on Mahi-Mahi (<i>Coryphaena hippurus</i>) Heart Cell Function. <i>Environmental Science & Technology</i> , 2019, 53, 9895-9904. | 10.0 | 29 |
| 26 | Exposure to Crude Oil from the <i>Deepwater Horizon</i> Oil Spill Impairs Oil Avoidance Behavior without Affecting Olfactory Physiology in Juvenile Mahi-Mahi (<i>Coryphaena hippurus</i>). <i>Environmental Science & Technology</i> , 2019, 53, 14001-14009. | 10.0 | 16 |
| 27 | Whole-Transcriptome Sequencing of Epidermal Mucus as a Novel Method for Oil Exposure Assessment in Juvenile Mahi-Mahi (<i>Coryphaena hippurus</i>). <i>Environmental Science and Technology Letters</i> , 2019, 6, 538-544. | 8.7 | 4 |
| 28 | Damsels in Distress: Oil Exposure Modifies Behavior and Olfaction in Bicolor Damselfish (<i>Stegastes partitus</i>). <i>Environmental Science & Technology</i> , 2019, 53, 10993-11001. | 10.0 | 28 |
| 29 | Embryonic buoyancy control as a mechanism of ultraviolet radiation avoidance. <i>Science of the Total Environment</i> , 2019, 651, 3070-3078. | 8.0 | 9 |
| 30 | Acute crude oil exposure alters mitochondrial function and ADP affinity in cardiac muscle fibers of young adult Mahi-mahi (<i>Coryphaena hippurus</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 218, 88-95. | 2.6 | 16 |
| 31 | Effects of corexit 9500A and Corexit-crude oil mixtures on transcriptomic pathways and developmental toxicity in early life stage mahi-mahi (<i>Coryphaena hippurus</i>). <i>Aquatic Toxicology</i> , 2019, 212, 233-240. | 4.0 | 26 |
| 32 | Na ⁺ K ⁺ ATPase isoform switching in zebrafish during transition to dilute freshwater habitats. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190630. | 2.6 | 12 |
| 33 | Maximum salinity tolerance and osmoregulatory capabilities of European perch<i>Perca fluviatilis</i>populations originating from different salinity habitats. , 2019, 7, coz004. | | 15 |
| 34 | Mahiâ€mah (<i>Coryphaena hippurus</i>) life development: morphological, physiological, behavioral and molecular phenotypes. <i>Developmental Dynamics</i> , 2019, 248, 337-350. | 1.8 | 12 |
| 35 | Deepwater Horizon crude oil exposure alters cholesterol biosynthesis with implications for developmental cardiotoxicity in larval mahi-mahi (<i>Coryphaena hippurus</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 220, 31-35. | 2.6 | 18 |
| 36 | Special issue on aquaculture: New opportunities to address global food supply for comparative biochemistry and physiology. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2019, 233, 1-3. | 1.6 | 2 |

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|----|---|------|-----------|
| 37 | The osmorepiratory compromise in the euryhaline killifish: water regulation during hypoxia. <i>Journal of Experimental Biology</i> , 2019, 222, . | 1.7 | 11 |
| 38 | Intra-Specific Difference in the Effect of Salinity on Physiological Performance in European Perch (<i>Perca fluviatilis</i>) and Its Ecological Importance for Fish in Estuaries. <i>Biology</i> , 2019, 8, 89. | 2.8 | 14 |
| 39 | Acid-base physiology and CO ₂ homeostasis: Regulation and compensation in response to elevated environmental CO ₂ . <i>Fish Physiology</i> , 2019, , 69-132. | 0.8 | 49 |
| 40 | CO ₂ and calcification processes in fish. <i>Fish Physiology</i> , 2019, , 133-159. | 0.8 | 11 |
| 41 | Effects of temperature on athletic performance in the pelagic Mahi-mahi (<i>Coryphaena hippurus</i>). <i>FASEB Journal</i> , 2019, 33, 726.3. | 0.5 | 2 |
| 42 | Effects of thermal stress and nitrate enrichment on the larval performance of two Caribbean reef corals. <i>Coral Reefs</i> , 2018, 37, 173-182. | 2.2 | 24 |
| 43 | Renoguanlylin stimulates apical CFTR translocation and decreases HCO ₃ ⁻ secretion through PKA activity in the Gulf toadfish (<i>Opsanus beta</i>). <i>Journal of Experimental Biology</i> , 2018, 221, . | 1.7 | 10 |
| 44 | Comparison of the organic matrix found in intestinal CaCO ₃ precipitates produced by several marine teleost species. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018, 221, 15-23. | 1.8 | 6 |
| 45 | Nutritional physiology of mahi-mahi (<i>Coryphaena hippurus</i>): Postprandial metabolic response to different diets and metabolic impacts on swim performance. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2018, 215, 28-34. | 1.8 | 14 |
| 46 | Characterizing egg quality and larval performance from captive mahi-mahi <i>Coryphaena hippurus</i> (Linnaeus, 1758) spawns over time. <i>Aquaculture Research</i> , 2018, 49, 282-293. | 1.8 | 9 |
| 47 | Combined effects of elevated temperature and Deepwater Horizon oil exposure on the cardiac performance of larval mahi-mahi, <i>Coryphaena hippurus</i> . <i>PLoS ONE</i> , 2018, 13, e0203949. | 2.5 | 33 |
| 48 | Changes in microRNA-mRNA Signatures Agree with Morphological, Physiological, and Behavioral Changes in Larval Mahi-Mahi Treated with Deepwater Horizon Oil. <i>Environmental Science & Technology</i> , 2018, 52, 13501-13510. | 10.0 | 25 |
| 49 | Interrogation of the Gulf toadfish intestinal proteome response to hypersalinity exposure provides insights into osmoregulatory mechanisms and regulation of carbonate mineral precipitation. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2018, 27, 66-76. | 1.0 | 4 |
| 50 | Physiological responses of corals to ocean acidification and copper exposure. <i>Marine Pollution Bulletin</i> , 2018, 133, 781-790. | 5.0 | 43 |
| 51 | Combined effects of hypoxia or elevated temperature and Deepwater Horizon crude oil exposure on juvenile mahi-mahi swimming performance. <i>Marine Environmental Research</i> , 2018, 139, 129-135. | 2.5 | 24 |
| 52 | Crude oil impairs heart cell function in the mahi-mahi (<i>Coryphaena hippurus</i>). <i>FASEB Journal</i> , 2018, 32, 602.11. | 0.5 | 1 |
| 53 | Assessment of early life stage mahi-mahi windows of sensitivity during acute exposures to Deepwater Horizon crude oil. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1887-1895. | 4.3 | 28 |
| 54 | Use of Multiple Linear Regression Models for Setting Water Quality Criteria for Copper: A Complementary Approach to the Biotic Ligand Model. <i>Environmental Science & Technology</i> , 2017, 51, 5182-5192. | 10.0 | 64 |

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|----|--|------|-----------|
| 55 | Morphology and cardiac physiology are differentially affected by temperature in developing larvae of the marine fish mahi-mahi (<i>Coryphaena hippurus</i>). <i>Biology Open</i> , 2017, 6, 800-809. | 1.2 | 25 |
| 56 | Capture, transport, prophylaxis, acclimation, and continuous spawning of Mahi-mahi (<i>Coryphaena</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 3.5 | 43 |
| 57 | Effects of waterborne copper delivered under two different exposure and salinity regimes on osmotic and ionic regulation in the mudflat fiddler crab, <i>Minuca rapax</i> (Ocypodidae, Brachyura). <i>Ecotoxicology and Environmental Safety</i> , 2017, 143, 201-209. | 6.0 | 29 |
| 58 | Novel transcriptome assembly and comparative toxicity pathway analysis in mahi-mahi (<i>Coryphaena</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 3.3 | 31 |
| 59 | Fractionation of the Gulf toadfish intestinal precipitate organic matrix reveals potential functions of individual proteins. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 208, 35-45. | 1.8 | 7 |
| 60 | Cardio-respiratory function during exercise in the cobia, <i>Rachycentron canadum</i> : The impact of crude oil exposure. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017, 201, 58-65. | 2.6 | 37 |
| 61 | The impact of acute PAH exposure on the toadfish glucocorticoid stress response. <i>Aquatic Toxicology</i> , 2017, 192, 89-96. | 4.0 | 24 |
| 62 | Dimethyl Sulfide is a Chemical Attractant for Reef Fish Larvae. <i>Scientific Reports</i> , 2017, 7, 2498. | 3.3 | 22 |
| 63 | Combined effects of oil exposure, temperature and ultraviolet radiation on buoyancy and oxygen consumption of embryonic mahi-mahi, <i>Coryphaena hippurus</i> . <i>Aquatic Toxicology</i> , 2017, 191, 113-121. | 4.0 | 29 |
| 64 | Differential Expression of MicroRNAs in Embryos and Larvae of Mahi-Mahi (<i>Coryphaena</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td Letters, 2017, 4, 523-529. | 8.7 | 15 |
| 65 | Oil Exposure Impairs In Situ Cardiac Function in Response to Î²-Adrenergic Stimulation in Cobia (<i>Rachycentron canadum</i>). <i>Environmental Science & Technology</i> , 2017, 51, 14390-14396. | 10.0 | 26 |
| 66 | Exposure to ultraviolet radiation late in development increases the toxicity of oil to mahi-mahi (<i>Coryphaena hippurus</i>) embryos. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1592-1598. | 4.3 | 35 |
| 67 | Comparative Investigation of Copper Tolerance and Identification of Putative Tolerance Related Genes in Tardigrades. <i>Frontiers in Physiology</i> , 2017, 8, 95. | 2.8 | 23 |
| 68 | Heart Performance Determination by Visualization in Larval Fishes: Influence of Alternative Models for Heart Shape and Volume. <i>Frontiers in Physiology</i> , 2017, 8, 464. | 2.8 | 16 |
| 69 | Developmental transcriptomic analyses for mechanistic insights into critical pathways involved in embryogenesis of pelagic mahi-mahi (<i>Coryphaena hippurus</i>). <i>PLoS ONE</i> , 2017, 12, e0180454. | 2.5 | 10 |
| 70 | Effects of crude oil on in situ cardiac function in young adult mahi-mahi (<i>Coryphaena hippurus</i>). <i>Aquatic Toxicology</i> , 2016, 180, 274-281. | 4.0 | 68 |
| 71 | Effects of Deepwater Horizon crude oil exposure, temperature and developmental stage on oxygen consumption of embryonic and larval mahi-mahi (<i>Coryphaena hippurus</i>). <i>Aquatic Toxicology</i> , 2016, 181, 113-123. | 4.0 | 67 |
| 72 | Measuring intestinal fluid transport in vitro: Gravimetric method versus non-absorbable marker. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 194, 27-36. | 1.8 | 7 |

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|----|---|------|-----------|
| 73 | Characterization and response of antioxidant systems in the tissues of the freshwater pond snail (<i>Lymnaea stagnalis</i>) during acute copper exposure. <i>Aquatic Toxicology</i> , 2016, 176, 38-44. | 4.0 | 37 |
| 74 | Changes to Intestinal Transport Physiology and Carbonate Production at Various CO ₂ Levels in a Marine Teleost, the Gulf Toadfish (<i>Opsanus beta</i>). <i>Physiological and Biochemical Zoology</i> , 2016, 89, 402-416. | 1.5 | 18 |
| 75 | A novel system for embryo-larval toxicity testing of pelagic fish: Applications for impact assessment of Deepwater Horizon crude oil. <i>Chemosphere</i> , 2016, 162, 261-268. | 8.2 | 27 |
| 76 | A proteinaceous organic matrix regulates carbonate mineral production in the marine teleost intestine. <i>Scientific Reports</i> , 2016, 6, 34494. | 3.3 | 11 |
| 77 | The role of the rectum in osmoregulation and the potential effect of renoguanin on SLC26a6 transport activity in the Gulf toadfish (<i>Opsanus beta</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R179-R191. | 1.8 | 17 |
| 78 | Impacts of Deepwater Horizon crude oil exposure on adult mahi-mahi (<i>Coryphaena</i>) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 5 | 4.3 | 83 |
| 79 | The Gulf of Mexico ecosystem, six years after the Macondo oil well blowout. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 129, 4-19. | 1.4 | 99 |
| 80 | The effects of weathering and chemical dispersion on Deepwater Horizon crude oil toxicity to mahi-mahi (<i>Coryphaena hippurus</i>) early life stages. <i>Science of the Total Environment</i> , 2016, 543, 644-651. | 8.0 | 159 |
| 81 | Time- and Oil-Dependent Transcriptomic and Physiological Responses to Deepwater Horizon Oil in Mahi-Mahi (<i>Coryphaena hippurus</i>) Embryos and Larvae. <i>Environmental Science & Technology</i> , 2016, 50, 7842-7851. | 10.0 | 123 |
| 82 | Ultraviolet Radiation Enhances the Toxicity of Deepwater Horizon Oil to Mahi-mahi (<i>Coryphaena hippurus</i>) Embryos. <i>Environmental Science & Technology</i> , 2016, 50, 2011-2017. | 10.0 | 58 |
| 83 | Corresponding morphological and molecular indicators of crude oil toxicity to the developing hearts of mahi mahi. <i>Scientific Reports</i> , 2015, 5, 17326. | 3.3 | 93 |
| 84 | Electrical aspects of the osmorepiratory compromise: TEP responses to hypoxia in the euryhaline killifish (<i>Fundulus heteroclitus</i>) in fresh water and sea water. <i>Journal of Experimental Biology</i> , 2015, 218, 2152-5. | 1.7 | 8 |
| 85 | Comparative evaluation of Na ⁺ uptake in <i>Cyprinodon variegatus variegatus</i> (Lacepede) and <i>Cyprinodon variegatus hubbsi</i> (Carr) (Cyprinodontiformes, Teleostei): Evaluation of NHE function in high and low Na ⁺ freshwater. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 185, 115-124. | 1.8 | 11 |
| 86 | The differential role of renoguanin in osmoregulation and apical Cl ⁻ /HCO ₃ ⁻ exchange activity in the posterior intestine of the Gulf toadfish (<i>Opsanus beta</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R399-R409. | 1.8 | 10 |
| 87 | Guanylin peptides regulate electrolyte and fluid transport in the Gulf toadfish (<i>Opsanus beta</i>) posterior intestine. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R1167-R1179. | 1.8 | 20 |
| 88 | Development and validation of a biotic ligand model for predicting chronic toxicity of lead to <i>Ceriodaphnia dubia</i> . <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 394-403. | 4.3 | 32 |
| 89 | Deepwater Horizon crude oil impacts the developing hearts of large predatory pelagic fish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1510-8. | 7.1 | 359 |
| 90 | Physiological impacts of elevated carbon dioxide and ocean acidification on fish. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R1061-R1084. | 1.8 | 320 |

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|-----|---|------|-----------|
| 91 | Acute Embryonic or Juvenile Exposure to <i>Deepwater Horizon</i> Crude Oil Impairs the Swimming Performance of Mahi-Mahi (<i>Coryphaena hippurus</i>). Environmental Science & Technology, 2014, 48, 7053-7061. | 10.0 | 200 |
| 92 | Osmoregulation and Excretion. , 2014, 4, 405-573. | | 163 |
| 93 | Esophageal desalination is mediated by Na ⁺ , H ⁺ exchanger-2 in the gulf toadfish (<i>Opsanus beta</i>). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 171, 57-63. | 1.8 | 19 |
| 94 | Effects of chronic waterborne nickel exposure on growth, ion homeostasis, acid-base balance, and nickel uptake in the freshwater pulmonate snail, <i>Lymnaea stagnalis</i> . Aquatic Toxicology, 2014, 150, 36-44. | 4.0 | 39 |
| 95 | Mechanisms of transepithelial ammonia excretion and luminal alkalization in the gut of an intestinal air-breathing fish, <i>Misgurnus anguilliacaudatus</i>. Journal of Experimental Biology, 2013, 216, 623-32. | 1.7 | 14 |
| 96 | Growth inhibition in early life-stage tests predicts full life-cycle toxicity effects of lead in the freshwater pulmonate snail, <i>Lymnaea stagnalis</i> . Aquatic Toxicology, 2013, 128-129, 60-66. | 4.0 | 25 |
| 97 | Characterization of Na ⁺ uptake in the endangered desert pupfish, <i>Cyprinodon macularius</i> (Baird and) Tj ETQq1 1 0.784314 rgBT /Ove | | |
| 98 | Uptake, handling, and excretion of Na ⁺ and Cl ⁻ from the diet <i>in vivo</i> in freshwater and seawater-acclimated killifish, <i>Fundulus heteroclitus</i>, an agastric teleost. Journal of Experimental Biology, 2013, 216, 3925-36. | 1.7 | 6 |
| 99 | Ocean Acidification Leads to Counterproductive Intestinal Base Loss in the Gulf Toadfish (<i>Opsanus) Tj ETQq1 1 0.784314 rgBT /Ove | 1.5 | 39 |
| 100 | Independence of net water flux from paracellular permeability in the intestine of<i>Fundulus heteroclitus</i>, a euryhaline teleost. Journal of Experimental Biology, 2012, 215, 508-517. | 1.7 | 36 |
| 101 | Comparative characterization of Na ⁺ transport in <i>Cyprinodon variegatus variegatus</i> and <i>Cyprinodon variegatus hubbsi</i>: a model species complex for studying teleost invasion of freshwater. Journal of Experimental Biology, 2012, 215, 1199-1209. | 1.7 | 37 |
| 102 | Selected regulation of gastrointestinal acidâ€“base secretion and tissue metabolism for the diamondback water snake and Burmese python. Journal of Experimental Biology, 2012, 215, 185-196. | 1.7 | 27 |
| 103 | Diet influences salinity preference of an estuarine fish, the killifish<i>Fundulus heteroclitus</i>. Journal of Experimental Biology, 2012, 215, 1965-1974. | 1.7 | 17 |
| 104 | The solubility of fishâ€“produced high magnesium calcite in seawater. Journal of Geophysical Research, 2012, 117, . | 3.3 | 36 |
| 105 | Impacts of ocean acidification on respiratory gas exchange and acidâ€“base balance in a marine teleost, <i>Opsanus beta</i> . Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 921-934. | 1.5 | 157 |
| 106 | Investigations into the mechanism of lead toxicity to the freshwater pulmonate snail, <i>Lymnaea stagnalis</i> . Aquatic Toxicology, 2012, 106-107, 147-156. | 4.0 | 29 |
| 107 | The Effects of Dietary Silver on Larval Growth in the Echinoderm <i>Lytechinus variegatus</i> . Archives of Environmental Contamination and Toxicology, 2012, 63, 95-100. | 4.1 | 9 |
| 108 | Effects of water chemistry on the chronic toxicity of lead to the cladoceran, <i>Ceriodaphnia dubia</i> . Ecotoxicology and Environmental Safety, 2011, 74, 238-243. | 6.0 | 36 |

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|-----|---|-----|-----------|
| 109 | Intestinal anion exchange in marine teleosts is involved in osmoregulation and contributes to the oceanic inorganic carbon cycle. <i>Acta Physiologica</i> , 2011, 202, 421-434. | 3.8 | 85 |
| 110 | Intestinal transport following transfer to increased salinity in an anadromous fish (<i>Oncorhynchus tshawytscha</i>). <i>Journal of Experimental Biology</i> , 2011, 224, 159, 150-158. | 1.8 | 46 |
| 111 | <i>Fundulus heteroclitus</i> acutely transferred from seawater to high salinity require few adjustments to intestinal transport associated with osmoregulation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2011, 160, 156-165. | 1.8 | 20 |
| 112 | Predictive modeling of selenium accumulation in brine shrimp in saline environments. <i>Integrated Environmental Assessment and Management</i> , 2011, 7, 478-482. | 2.9 | 4 |
| 113 | Effects of acute and chronic waterborne lead exposure on the swimming performance and aerobic scope of fathead minnows (<i>Pimephales promelas</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 154, 7-13. | 2.6 | 21 |
| 114 | The toxicity and physiological effects of copper on the freshwater pulmonate snail, <i>Lymnaea stagnalis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2011, 154, 261-267. | 2.6 | 41 |
| 115 | Osmoregulatory capabilities of the gray snapper, <i>Lutjanus griseus</i> : salinity challenges and field observations. <i>Marine and Freshwater Behaviour and Physiology</i> , 2011, 44, 185-196. | 0.9 | 11 |
| 116 | Concentration of $MgSO_4$ in the intestinal lumen of <i>Opsanus beta</i> limits osmoregulation in response to acute hypersalinity stress. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R895-R909. | 1.8 | 27 |
| 117 | Acquisition of Ca^{2+} and HCO_3^-/CO_3^{2-} for shell formation in embryos of the common pond snail <i>Lymnaea stagnalis</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 953-965. | 1.5 | 14 |
| 118 | Acid-base regulation in the plainfin midshipman (<i>Porichthys notatus</i>): an aglomerular marine teleost. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 1213-1225. | 1.5 | 34 |
| 119 | Gastro-intestinal handling of water and solutes in three species of elasmobranch fish, the white-spotted bamboo shark, <i>Chiloscyllium plagiosum</i> , little skate, <i>Leucoraja erinacea</i> and the clear nose skate <i>Raja eglanteria</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2010, 155, 493-502. | 1.8 | 47 |
| 120 | The serotonin subtype 1A receptor regulates cortisol secretion in the Gulf toadfish, <i>Opsanus beta</i> . <i>General and Comparative Endocrinology</i> , 2010, 168, 377-387. | 1.8 | 43 |
| 121 | The role of the gastrointestinal tract in salt and water balance. <i>Fish Physiology</i> , 2010, 30, 135-164. | 0.8 | 77 |
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