# Tania Zenteno-Savin

List of Publications by Year
in descending order

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Version: 2024-02-01

| 99 | 2,327 | 236833 | 254106 |
|---|---|---|---|
| papers | citations | 25 h-index | 43 g-index |

| 115 | 115 | 115 | 2794 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Animal response to drastic changes in oxygen availability and physiological oxidative stress. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 133, 537-556. | 1.3 | 307 |
| 2 | Antioxidant enzyme activities in Pacific white shrimp (Litopenaeus vannamei) in response to environmental hypoxia and reoxygenation. Aquaculture, 2011, 318, 379-383. | 1.7 | 105 |
| 3 | Twenty years of the â€˜Preparation for Oxidative Stressâ€™ (POS) theory: Ecophysiological advantages and molecular strategies. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 234, 36-49. | 0.8 | 88 |
| 4 | Antioxidant enzyme activity in pacific whiteleg shrimp (Litopenaeus vannamei) in response to infection with white spot syndrome virus. Aquaculture, 2013, 380-383, 41-46. | 1.7 | 84 |
| 5 | Coping with physiological oxidative stress: a review of antioxidant strategies in seals. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 741-750. | 0.7 | 66 |
| 6 | Hypoxia, reoxygenation and cytosolic manganese superoxide dismutase (cMnSOD) silencing in Litopenaeus vannamei: Effects on cMnSOD transcripts, superoxide dismutase activity and superoxide anion production capacity. Developmental and Comparative Immunology, 2010, 34, 1230-1235. | 1.0 | 63 |
| 7 | Comparative biology and pathology of oxidative stress in Alzheimer and other neurodegenerative diseases: beyond damage and response. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 133, 507-513. | 1.3 | 59 |
| 8 | Aging and exercise affect the level of protein acetylation and SIRT1 activity in cerebellum of male rats. Biogerontology, 2010, 11, 679-686. | 2.0 | 57 |
| 9 | Differential antioxidant protection in tissues from marine mammals with distinct diving capacities. Shallow/short vs. deep/long divers. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2011, 158, 438-443. | 0.8 | 56 |
| 10 | Prolonged fasting increases glutathione biosynthesis in postweaned northern elephant seals. Journal of Experimental Biology, 2011, 214, 1294-1299. | 0.8 | 54 |
| 11 | Antioxidant enzymes in ringed seal tissues: Potential protection against dive-associated ischemia/reperfusion. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 142, 198-204. | 1.3 | 52 |
| 12 | Glutathione protection against dive-associated ischemia/reperfusion in ringed seal tissues. Journal of Experimental Marine Biology and Ecology, 2007, 345, 110-118. | 0.7 | 51 |
| 13 | Trace elements and oxidative stress indicators in the liver and kidney of the blue shark (Prionace) Tj ETQq1 1 0.784314 rgBT /Overlock 1<br>2013, 165, 483-490. | 0.8 | 51 |
| 14 | Superoxide radical production in response to environmental hypoxia in cultured shrimp. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 142, 301-308. | 1.3 | 50 |
| 15 | Apnea stimulates the adaptive response to oxidative stress in elephant seal pups. Journal of Experimental Biology, 2011, 214, 4193-4200. | 0.8 | 50 |
| 16 | Role of oxidative stress in seasonal and daily vertical migration of three krill species in the Gulf of California. Limnology and Oceanography, 2010, 55, 2570-2584. | 1.6 | 46 |
| 17 | Oxidative stress indicators and chemical contaminants in East Pacific green turtles (Chelonia mydas) inhabiting two foraging coastal lagoons in the Baja California peninsula. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2011, 154, 65-75. | 1.3 | 45 |
| 18 | Effects of arginine vasopressin in the heart are mediated by specific intravascular endothelial receptors. European Journal of Pharmacology, 2000, 410, 15-23. | 1.7 | 41 |

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|---|---|---|---|
| 19 | Superoxide production, oxidative damage and enzymatic antioxidant defenses in shark skeletal muscle. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 156, 50-56. | 0.8 | 40 |
| 20 | Oxidative stress indicators and trace elements in the blue shark (Prionace glauca) off the east coast of the Mexican Pacific Ocean. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 156, 59-66. | 1.3 | 39 |
| 21 | PLASMA HAPTOGLOBIN LEVELS IN THREATENED ALASKAN PINNIPED POPULATIONS. Journal of Wildlife Diseases, 1997, 33, 64-71. | 0.3 | 38 |
| 22 | Health Indices of the Green Turtle (Chelonia mydas) Along the Pacific Coast of Baja California Sur, Mexico. II. Body Condition Index. Chelonian Conservation and Biology, 2010, 9, 173-183. | 0.1 | 38 |
| 23 | Oxidative stress indicators and trace element concentrations in tissues of mako shark (Isurus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 2013, 165, 508-514. | 0.8 | 32 |
| 24 | Health Indices of the Green Turtle (Chelonia mydas) Along the Pacific Coast of Baja California Sur, Mexico. I. Blood Biochemistry Values. Chelonian Conservation and Biology, 2010, 9, 162-172. | 0.1 | 30 |
| 25 | Heavy Metal Levels in Marine Mollusks from Areas With, or Without, Mining Activities Along the Gulf of California, Mexico. Archives of Environmental Contamination and Toxicology, 2009, 57, 96-102. | 2.1 | 29 |
| 26 | Hypoxia-inducible factor 1 proteomics and diving adaptations in ringed seal. Free Radical Biology and Medicine, 2005, 39, 205-212. | 1.3 | 26 |
| 27 | Antioxidant capacity develops with maturation in the deep-diving hooded seal. Journal of Experimental Biology, 2011, 214, 2903-2910. | 0.8 | 26 |
| 28 | Micronutrient content and antioxidant enzyme activities in human breast milk. Journal of Trace Elements in Medicine and Biology, 2019, 51, 36-41. | 1.5 | 25 |
| 29 | â€œOxidative stress induced by phthalates in mammals: State of the art and potential biomarkersâ€• Environmental Research, 2022, 206, 112636. | 3.7 | 24 |
| 30 | Prolonged fasting increases purine recycling in post-weaned northern elephant seals. Journal of Experimental Biology, 2012, 215, 1448-1455. | 0.8 | 23 |
| 31 | Hypoxia-Inducible Factor in Ringed Seal (Phoca hispida) Tissues. Free Radical Research, 2004, 38, 847-854. | 1.5 | 22 |
| 32 | Coronary flow-induced inotropism is modulated by binding of dextrans to the endothelial luminal surface. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H1348-H1357. | 1.5 | 20 |
| 33 | Basic oxidative stress metabolites in eastern Pacific green turtles (Chelonia mydas agassizii). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2007, 146, 111-117. | 1.3 | 20 |
| 34 | Antioxidant Enzymes and Heavy Metal Levels in Tissues of the Black Chocolate Clam Megapitaria squalida in BahÃa de La Paz, Mexico. Archives of Environmental Contamination and Toxicology, 2009, 56, 60-66. | 2.1 | 20 |
| 35 | Bioenergetic status and oxidative stress during escape response until exhaustion in whiteleg shrimp Litopenaeus vannamei. Journal of Experimental Marine Biology and Ecology, 2016, 478, 16-23. | 0.7 | 20 |
| 36 | DNA MMR systems, microsatellite instability and antioxidant activity variations in two species of wild bats: Myotis velifer and Desmodus rotundus, as possible factors associated with longevity. Age, 2012, 34, 1473-1492. | 3.0 | 18 |

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|---|---|---|---|
| 37 | Interaction between mercury (Hg), arsenic (As) and selenium (Se) affects the activity of glutathione S-transferase in breast milk; possible relationship with fish and sellfish intake. Nutricion Hospitalaria, 2014, 30, 436-46. | 0.2 | 18 |
| 38 | Effects of caecal ligation and saline acclimation on plasma concentration and organ mass in male and female Pekin ducks, Anas platyrhynchos. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1992, 162, 625-631. | 0.7 | 17 |
| 39 | Seasonal changes of antioxidant and oxidative parameters in the coral Pocillopora capitata on the Pacific coast of Mexico. Marine Ecology, 2010, 31, 407-417. | 0.4 | 17 |
| 40 | Antioxidant and trace element content of damiana (Turnera diffusa Willd) under wild and cultivated conditions in semi-arid zones. Industrial Crops and Products, 2012, 37, 321-327. | 2.5 | 17 |
| 41 | Circulating glutathione concentrations in marine, semiaquatic, and terrestrial mammals. Marine Mammal Science, 2017, 33, 738-747. | 0.9 | 17 |
| 42 | Organochlorine Pesticides and Polychlorinated Biphenyls in California Sea Lions (Zalophus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td Contamination and Toxicology, 2009, 56, 350-359. | 2.1 | 16 |
| 43 | Applying generalized linear models as an explanatory tool of sex steroids, thyroid hormones and their relationships with environmental and physiologic factors in immature East Pacific green sea turtles (Chelonia mydas). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 166, 91-100. | 0.8 | 15 |
| 44 | Biosorption Capacity for Cadmium of Brown Seaweed Sargassum sinicola and Sargassum lapazeanum in the Gulf of California. Water, Air, and Soil Pollution, 2011, 221, 137-144. | 1.1 | 14 |
| 45 | Response to short term ultraviolet stress in the reef-building coral Pocillopora capitata (Anthozoa:) Tj ETQq1 1 0.784314 rgBT /Overlock | 0.1 | 14 |
| 46 | Effects of saline acclimation and cecal ligation on body water and water flux in male and female Pekin ducks. Canadian Journal of Zoology, 1991, 69, 771-775. | 0.4 | 13 |
| 47 | Organochlorine pesticides and polychlorinated biphenyls in fin whales (Balaenoptera physalus) from the Gulf of California. Environmental Toxicology, 2010, 25, 381-390. | 2.1 | 13 |
| 48 | Metal mobility and bioaccumulation differences at lower trophic levels in marine ecosystems dominated bySargassumspecies. Journal of the Marine Biological Association of the United Kingdom, 2014, 94, 435-442. | 0.4 | 13 |
| 49 | HEART RATE SCALING WITH BODY MASS IN PINNIPEDS. Marine Mammal Science, 1997, 13, 149-155. | 0.9 | 12 |
| 50 | Concentrations of trace elements in sea urchins and macroalgae commonly present in Sargassum beds: implications for trophic transfer. Ecological Research, 2016, 31, 785-798. | 0.7 | 12 |
| 51 | Purine metabolism in response to hypoxic conditions associated with breath-hold diving and exercise in erythrocytes and plasma from bottlenose dolphins ( Tursiops truncatus ). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 191, 196-201. | 0.8 | 12 |
| 52 | Oxidative damage to proteins related to metals and antioxidant defenses in breastmilk. Nutricion Hospitalaria, 2017, 34, 59. | 0.2 | 12 |
| 53 | Purine nucleoside phosphorylase and xanthine oxidase activities in erythrocytes and plasma from marine, semiaquatic and terrestrial mammals. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 171, 31-35. | 0.8 | 11 |
| 54 | Histophagous ciliate Pseudocollinia brintoni and bacterial assemblage interaction with krill Nyctiphanes simplex. I. Transmission process. Diseases of Aquatic Organisms, 2015, 116, 213-225. | 0.5 | 11 |

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|---|---|---|---|
| 55 | Plasma Hypoxanthine-Guanine Phosphoribosyl Transferase Activity in Bottlenose Dolphins Contributes to Avoiding Accumulation of Non-recyclable Purines. Frontiers in Physiology, 2016, 7, 213. | 1.3 | 11 |
| 56 | Incremento de la temperatura ambiental y su posible asociaciÃ³n al suicidio en Baja California Sur (BCS) 1985-2008. Salud Mental, 2013, 36, 421. | 0.3 | 11 |
| 57 | Changes in the Plasma Levels of Vasoactive Hormones During Apnea in Seals. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1998, 119, 7-12. | 0.5 | 10 |
| 58 | Spatio-temporal distribution and abundance patterns of red crab Pleuroncodes planipes related to ocean temperature from the Pacific coast of the Baja California Peninsula. Fisheries Science, 2016, 82, 1-15. | 0.7 | 10 |
| 59 | The cost of Latin American science. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 146, 463-469. | 0.8 | 9 |
| 60 | Assessment of Metallothioneins in Tissues of the Clam Megapitaria squalida as Biomarkers for Environmental Cadmium Pollution From Areas Enriched in Phosphorite. Archives of Environmental Contamination and Toxicology, 2010, 59, 255-263. | 2.1 | 9 |
| 61 | Linking physiological approaches to marine vertebrate conservation: using sex steroid hormone determinations in demographic assessments. , 2014, 2, cot035-cot035. | | 9 |
| 62 | Comparative study of enzymatic antioxidants in muscle of elasmobranch and teleost fishes. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 187, 61-65. | 0.8 | 9 |
| 63 | Mercury concentrations in Baja California Sur fish: Dietary exposure assessment. Chemosphere, 2021, 267, 129233. | 4.2 | 9 |
| 64 | Histophagous ciliate Pseudocollinia brintoni and bacterial assemblage interaction with krill Nyctiphanes simplex. II. Host responses. Diseases of Aquatic Organisms, 2015, 116, 227-236. | 0.5 | 9 |
| 65 | Plasma Angiotensin II, Arginine Vasopressin and Atrial Natriuretic Peptide in Free Ranging and Captive Seals and Sea Lions. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1998, 119, 1-6. | 0.5 | 8 |
| 66 | Marine diet and tobacco exposure affects mercury concentrations in pregnant women (I) from Baja California Sur, Mexico. Toxicology Reports, 2014, 1, 1123-1132. | 1.6 | 8 |
| 67 | Vitamins C and E concentrations in muscle of elasmobranch and teleost fishes. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2014, 170, 26-30. | 0.8 | 7 |
| 68 | Does relaxation as a sedative therapy previous to pearl production affect antioxidant response and cause oxidative damage in the winged pearl oyster Pteria sterna ?. Aquaculture, 2018, 491, 295-301. | 1.7 | 7 |
| 69 | Cell Death and Metabolic Stress in Gymnodinium catenatum Induced by Allelopathy. Toxins, 2021, 13, 506. | 1.5 | 7 |
| 70 | Antioxidant responses of damiana (Turnera diffusa Willd) to exposure to artificial ultraviolet (UV) radiation in an in vitro model; part I; UV-C radiation. Nutricion Hospitalaria, 2014, 29, 1109-15. | 0.2 | 7 |
| 71 | Scope for growth, biochemical composition, and antioxidant immune responses of the penshell Atrina maura to flow velocity and concentration of microalgae. Aquaculture, 2011, 319, 211-220. | 1.7 | 6 |
| 72 | Performance, immune response, and oxidative stress parameters of Litopenaeus vannamei fed diets containing varying carbohydrate/protein, lipid/protein, and energy/protein ratios. Aquaculture Reports, 2021, 21, 100771. | 0.7 | 6 |

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|---|---|---|---|
| 73 | Relationship between self-reported fish and shellfish consumption, carbon and nitrogen stable isotope values and total mercury concentrations in pregnant women (II) from Baja California Sur, Mexico. Toxicology Reports, 2014, 1, 1115-1122. | 1.6 | 5 |
| 74 | Differences in arsenic, molybdenum, barium, and other physicochemical relationships in groundwater between sites with and without mining activities. Natural Science, 2013, 05, 238-243. | 0.2 | 5 |
| 75 | Temporal variation in oxidative stress indicators in liver of totoaba (Totoaba macdonaldi) Perciformes: Sciaenidae. Journal of the Marine Biological Association of the United Kingdom, 2018, 98, 833-844. | 0.4 | 4 |
| 76 | Using carbon and nitrogen stable isotope modelling to assess dietary mercury exposure for pregnant women in Baja California Sur, Mexico. Chemosphere, 2019, 234, 702-714. | 4.2 | 4 |
| 77 | Use of Corn Husk Meal in the Development of a Functional Diet for Nile tilapia (Oreochromis) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T<br>Waste and Biomass Valorization, 2021, 12, 4355. | 1.8 | 4 |
| 78 | Antioxidant responses of damiana (Turnera diffusa Willd) to exposure to artificial ultraviolet (UV) radiation in an in vitro model; part ii; UV-B radiation. Nutricion Hospitalaria, 2014, 29, 1116-22. | 0.2 | 4 |
| 79 | Standardized Micronucleus Assay for Peripheral Blood from Sea Turtles. Chelonian Conservation and Biology, 2019, 18, 175. | 0.1 | 4 |
| 80 | Interaction between Selenium (Se) and Mercury (Hg) Affects the Activity of Glutathione S-Transferase in Breast Milk; Possible Relationship with Fish and Shellfish Intake. Free Radical Biology and Medicine, 2013, 65, S112. | 1.3 | 3 |
| 81 | Spatial and temporal variability of oxidative stress indicators in the red crab (Pleuroncodes planipes) from the west coast of the Baja California Peninsula, Mexico. Ciencias Marinas, 2013, 39, 41-53. | 0.4 | 3 |
| 82 | Effect of oligosaccharins on the vase life of lisianthus (Eustoma grandiflorumRaf.) cv. â€˜Mariachi blueâ€™. Journal of Horticultural Science and Biotechnology, 2020, 95, 316-324. | 0.9 | 3 |
| 83 | Pectin-derived oligosaccharins effects on flower buds opening, pigmentation and antioxidant content of cut lisianthus flowers. Scientia Horticulturae, 2021, 279, 109909. | 1.7 | 3 |
| 84 | Purine nucleoside phosphorylase and the enzymatic antioxidant defense system in breast milk from women with different levels of arsenic exposure. Nutricion Hospitalaria, 2015, 31, 2289-96. | 0.2 | 3 |
| 85 | Efficiency of copper removal by Sargassum sinicola in batch and continuous systems. Journal of Applied Phycology, 2013, 25, 1933-1937. | 1.5 | 2 |
| 86 | Hypoxanthine-guanine phosphoribosyltransferase and inosine 5â€²-monophosphate dehydrogenase activities in three mammalian species: aquatic (Mirounga angustirostris), semi-aquatic (Lontra) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 21 | 1.2 | 2 |
| 87 | Persistent organic pollutants (POPs) in populations of the clam Chione californiensisin coastal lagoons of the Gulf of California. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2016, 51, 435-445. | 0.7 | 2 |
| 88 | In silico Characterization of the Heme Oxygenase 1 From Bottlenose Dolphin (Tursiops truncatus): Evidence of Changes in the Active Site and Purifying Selection. Frontiers in Physiology, 2021, 12, 711645. | 1.3 | 2 |
| 89 | Sleep- and Diving-Associated Apneas Do Not Induce Oxidative Damage in Northern Elephant Seals. Free Radical Biology and Medicine, 2010, 49, S30-S31. | 1.3 | 1 |
| 90 | Antioxidant response to cadmium exposure in primary skeletal muscle cells isolated from humans and elephant seals. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 227, 108641. | 1.3 | 1 |

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|---|---|---|---|
| 91 | The history of how the free radicals and oxidative stress branch became a part of the Mexican biochemical society. IUBMB Life, 2011, 63, 803-805. | 1.5 | 0 |
| 92 | Nutritional content of Totoaba macdonaldi (Gilbert, 1890), Antioxidants and lipid peroxidation in muscle. PeerJ, 2021, 9, e11129. | 0.9 | 0 |
| 93 | Influence of sex and maturity state on trace elements content in liver and muscle of the SciaenidaeTotoaba macdonaldi. PeerJ, 2021, 9, e11068. | 0.9 | 0 |
| 94 | Effect of hypoxia on purine metabolism of human skeletal muscle cells. Biotecnia, 2021, 23, . | 0.1 | 0 |
| 95 | Diurnal and seasonal hsp70 gene expression in a cryptic reef fish, the bluebanded goby Lythrypnus dalli (Gilbert 1890). Biotecnia, 2021, 23, . | 0.1 | 0 |
| 96 | Purine metabolism in diving and nonâ€diving mammals (667.4). FASEB Journal, 2014, 28, 667.4. | 0.2 | 0 |
| 97 | Reproductive Biology of the Red Crab Pleuroncodes planipes (Anomuran, Galatheid) on the West Coast of the Baja California Peninsula, Mexico. Journal of Shellfish Research, 2018, 37, 1093. | 0.3 | 0 |
| 98 | Changes in Morphology of Primary Muscle Cells Exposed to Diâ€(2â€ethylhexyl) Phthalate. FASEB Journal, 2020, 34, 1-1. | 0.2 | 0 |
| 99 | Differential white blood cell numbers in response to lipopolysaccharide exposure in marine and terrestrial mammals. FASEB Journal, 2020, 34, 1-1. | 0.2 | 0 |