# MaurÃ-cio Reis Bogo

List of Publications by Year
in descending order

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|---|---|---|---|
| 59<br>papers | 2,010<br>citations | 218677<br>26<br>h-index | 254184<br>43<br>g-index |
| 59<br>all docs | 59<br>docs citations | 59<br>times ranked | 2648<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Copper toxicology, oxidative stress and inflammation using zebrafish as experimental model. Journal of Applied Toxicology, 2016, 36, 876-885. | 2.8 | 156 |
| 2 | Arsenic toxicity in mammals and aquatic animals: A comparative biochemical approach. Ecotoxicology and Environmental Safety, 2011, 74, 211-218. | 6.0 | 147 |
| 3 | Endosulfan exposure inhibits brain AChE activity and impairs swimming performance in adult zebrafish (Danio rerio). NeuroToxicology, 2012, 33, 469-475. | 3.0 | 101 |
| 4 | Tebuconazole alters morphological, behavioral and neurochemical parameters in larvae and adult zebrafish (Danio rerio). Chemosphere, 2017, 180, 483-490. | 8.2 | 88 |
| 5 | Antipsychotic drugs prevent the motor hyperactivity induced by psychotomimetic MK-801 in zebrafish (Danio rerio). Behavioural Brain Research, 2010, 214, 417-422. | 2.2 | 83 |
| 6 | Ethanol alters acetylcholinesterase activity and gene expression in zebrafish brain. Toxicology Letters, 2007, 174, 25-30. | 0.8 | 75 |
| 7 | Modulatory effect of resveratrol on SIRT1, SIRT3, SIRT4, PGC1Î± and NAMPT gene expression profiles in wild-type adult zebrafish liver. Molecular Biology Reports, 2012, 39, 3281-3289. | 2.3 | 65 |
| 8 | Hyperglycemia induces memory impairment linked to increased acetylcholinesterase activity in zebrafish (Danio rerio). Behavioural Brain Research, 2014, 274, 319-325. | 2.2 | 65 |
| 9 | ATP and ADP hydrolysis in brain membranes of zebrafish (Danio rerio). Life Sciences, 2003, 73, 2071-2082. | 4.3 | 62 |
| 10 | Exposure to Hg2+ and Pb2+ changes NTPDase and ecto-5â€²-nucleotidase activities in central nervous system of zebrafish (Danio rerio). Toxicology, 2006, 226, 229-237. | 4.2 | 57 |
| 11 | Methanol alters ecto-nucleotidases and acetylcholinesterase in zebrafish brain. Neurotoxicology and Teratology, 2006, 28, 489-496. | 2.4 | 56 |
| 12 | NTPDase family in zebrafish: Nucleotide hydrolysis, molecular identification and gene expression profiles in brain, liver and heart. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2010, 155, 230-240. | 1.6 | 56 |
| 13 | Aluminum exposure alters behavioral parameters and increases acetylcholinesterase activity in zebrafish (Danio rerio) brain. Cell Biology and Toxicology, 2011, 27, 199-205. | 5.3 | 56 |
| 14 | Ecto-5â€²-nucleotidase activity in brain membranes of zebrafish (Danio rerio). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2004, 139, 203-207. | 1.6 | 55 |
| 15 | Involvement of purinergic system in inflammation and toxicity induced by copper in zebrafish larvae. Toxicology and Applied Pharmacology, 2013, 272, 681-689. | 2.8 | 54 |
| 16 | In vitro effect of zinc and cadmium on acetylcholinesterase and ectonucleotidase activities in zebrafish (Danio rerio) brain. Toxicology in Vitro, 2006, 20, 954-958. | 2.4 | 45 |
| 17 | Arsenic alters behavioral parameters and brain ectonucleotidases activities in zebrafish (Danio rerio). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 155, 566-572. | 2.6 | 39 |
| 18 | Novel insights into mitochondrial molecular targets of iron-induced neurodegeneration: Reversal by cannabidiol. Brain Research Bulletin, 2018, 139, 1-8. | 3.0 | 38 |

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|---|---|---|---|
| 19 | Carbofuran and malathion inhibit nucleotide hydrolysis in zebrafish (Danio rerio) brain membranes. Toxicology, 2005, 212, 107-115. | 4.2 | 37 |
| 20 | Microcystin-LR acute exposure increases AChE activity via transcriptional ache activation in zebrafish (Danio rerio) brain. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 155, 247-252. | 2.6 | 37 |
| 21 | Evaluation of Age-Dependent Response to NMDA Receptor Antagonism in Zebrafish. Zebrafish, 2015, 12, 137-143. | 1.1 | 37 |
| 22 | PTZ-induced seizures inhibit adenosine deamination in adult zebrafish brain membranes. Brain Research Bulletin, 2011, 86, 385-389. | 3.0 | 32 |
| 23 | Ethanol and acetaldehyde alter NTPDase and 5â€²-nucleotidase from zebrafish brain membranes. Neurochemistry International, 2008, 52, 290-296. | 3.8 | 31 |
| 24 | Transient modulation of acetylcholinesterase activity caused by exposure to dextran-coated iron oxide nanoparticles in brain of adult zebrafish. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2014, 162, 77-84. | 2.6 | 31 |
| 25 | Adenosine deaminase-related genes: Molecular identification, tissue expression pattern and truncated alternative splice isoform in adult zebrafish (Danio rerio). Life Sciences, 2007, 81, 1526-1534. | 4.3 | 30 |
| 26 | Kinetic characterization of adenosine deaminase activity in zebrafish (Danio rerio) brain. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2008, 151, 96-101. | 1.6 | 26 |
| 27 | Maternal caffeine exposure alters neuromotor development and hippocampus acetylcholinesterase activity in rat offspring. Brain Research, 2015, 1595, 10-18. | 2.2 | 26 |
| 28 | Implications of exposure to dextran-coated and uncoated iron oxide nanoparticles to developmental toxicity in zebrafish. Journal of Nanoparticle Research, 2017, 19, 1. | 1.9 | 24 |
| 29 | Antipsychotic drugs inhibit nucleotide hydrolysis in zebrafish (Danio rerio) brain membranes. Toxicology in Vitro, 2009, 23, 78-82. | 2.4 | 23 |
| 30 | Antiepileptic drugs prevent changes in adenosine deamination during acute seizure episodes in adult zebrafish. Pharmacology Biochemistry and Behavior, 2013, 104, 20-26. | 2.9 | 23 |
| 31 | Acid mine drainage (AMD) treatment by neutralization: Evaluation of physical-chemical performance and ecotoxicological effects on zebrafish (Danio rerio) development. Chemosphere, 2020, 253, 126665. | 8.2 | 22 |
| 32 | Chronic ethanol treatment alters purine nucleotide hydrolysis and nucleotidase gene expression pattern in zebrafish brain. NeuroToxicology, 2011, 32, 871-878. | 3.0 | 21 |
| 33 | Iron exposure modifies acetylcholinesterase activity in zebrafish (Danio rerio) tissues: distinct susceptibility of tissues to iron overload. Fish Physiology and Biochemistry, 2011, 37, 573-581. | 2.3 | 21 |
| 34 | Effects of chlorogenic acid, caffeine and coffee on components of the purinergic system of streptozotocin-induced diabetic rats. Journal of Nutritional Biochemistry, 2016, 38, 145-153. | 4.2 | 21 |
| 35 | Acute and subchronic copper treatments alter extracellular nucleotide hydrolysis in zebrafish brain membranes. Toxicology, 2007, 236, 132-139. | 4.2 | 20 |
| 36 | Zebrafish as a Model Organism to Evaluate Drugs Potentially Able to Modulate Sirtuin Expression. Zebrafish, 2011, 8, 9-16. | 1.1 | 20 |

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|---|---|---|---|
| 37 | Inhibitory effect of lithium on nucleotide hydrolysis and acetylcholinesterase activity in zebrafish (Danio rerio) brain. Neurotoxicology and Teratology, 2011, 33, 651-657. | 2.4 | 20 |
| 38 | Typical and atypical antipsychotics alter acetylcholinesterase activity and ache expression in zebrafish (Danio rerio) brain. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 150, 10-15. | 2.6 | 19 |
| 39 | Arginine exposure alters ectonucleotidase activities and morphology of zebrafish larvae ( Danio rerio) Tj ETQq1 1 0.784314 rgBT /Ove | 1.6 | 19 |
| 40 | Iron chelator deferiprone rescues memory deficits, hippocampal BDNF levels and antioxidant defenses in an experimental model of memory impairment. BioMetals, 2018, 31, 927-940. | 4.1 | 19 |
| 41 | Intraperitoneal Exposure to Nano/Microparticles of Fullerene (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 597 Td (xml:s Increases Acetylcholinesterase Activity and Lipid Peroxidation in Adult Zebrafish (Danio rerio) Brain. BioMed Research International, 2013, 2013, 1-11. | 1.9 | 16 |
| 42 | Influence of mercury chloride on adenosine deaminase activity and gene expression in zebrafish (Danio rerio) brain. NeuroToxicology, 2010, 31, 291-296. | 3.0 | 15 |
| 43 | Hyperglycemia alters E-NTPDases, ecto-5â€²-nucleotidase, and ectosolic and cytosolic adenosine deaminase activities and expression from encephala of adult zebrafish (Danio rerio). Purinergic Signalling, 2016, 12, 211-220. | 2.2 | 15 |
| 44 | Effects of caffeine on behavioral and inflammatory changes elicited by copper in zebrafish larvae: Role of adenosine receptors. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 194, 28-36. | 2.6 | 15 |
| 45 | Analysis of Extracellular Nucleotide Metabolism in Adult Zebrafish After Embryological Exposure to Valproic Acid. Molecular Neurobiology, 2017, 54, 3542-3553. | 4.0 | 12 |
| 46 | Graphene oxide and GST-omega enzyme: An interaction that affects arsenic metabolism in the shrimp Litopenaeus vannamei. Science of the Total Environment, 2020, 716, 136893. | 8.0 | 11 |
| 47 | Methionine Exposure Alters Glutamate Uptake and Adenine Nucleotide Hydrolysis in the Zebrafish Brain. Molecular Neurobiology, 2016, 53, 200-209. | 4.0 | 10 |
| 48 | Effects of lipoic acid supplementation on age- and iron-induced memory impairment, mitochondrial DNA damage and antioxidant responses. European Journal of Nutrition, 2021, 60, 3679-3690. | 3.9 | 10 |
| 49 | Evidence that acute taurine treatment alters extracellular AMP hydrolysis and adenosine deaminase activity in zebrafish brain membranes. Neuroscience Letters, 2010, 481, 105-109. | 2.1 | 9 |
| 50 | Investigation into effects of antipsychotics on ectonucleotidase and adenosine deaminase in zebrafish brain. Fish Physiology and Biochemistry, 2015, 41, 1383-1392. | 2.3 | 9 |
| 51 | Persistent increase in ectoâ€‘5â€²â€‘nucleotidase activity from encephala of adult zebrafish exposed to ethanol during early development. Neurotoxicology and Teratology, 2018, 70, 60-66. | 2.4 | 6 |
| 52 | Benzodiazepines alter nucleotide and nucleoside hydrolysis in zebrafish (Danio rerio) brain. Journal of Neural Transmission, 2015, 122, 1077-1088. | 2.8 | 5 |
| 53 | Adenosine deaminase activity and gene expression patterns are altered after chronic ethanol exposure in zebrafish brain. Neurotoxicology and Teratology, 2018, 65, 14-18. | 2.4 | 5 |
| 54 | Characterization of the adenosinergic system in a zebrafish embryo radiotherapy model. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 224, 108572. | 2.6 | 4 |

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|---|---|---|---|
| 55 | Manganese(II) Chloride Alters Nucleotide and Nucleoside Catabolism in Zebrafish (Danio rerio) Adult Brain. Molecular Neurobiology, 2018, 55, 3866-3874. | 4.0 | 3 |
| 56 | Prolonged ethanol exposure alters glutamate uptake leading to astrogliosis and neuroinflammation in adult zebrafish brain. NeuroToxicology, 2022, 88, 57-64. | 3.0 | 3 |
| 57 | Acute toxicity of methomyl commercial formulation induces morphological and behavioral changes in larval zebrafish (Danio rerio). Neurotoxicology and Teratology, 2022, 89, 107058. | 2.4 | 3 |
| 58 | Microcystin-LR acute exposure does not alter in vitro and in vivo ATP, ADP and AMP hydrolysis in adult zebrafish (Danio rerio) brain membranes. Journal of Xenobiotics, 2012, 2, 9. | 6.7 | 2 |
| 59 | Participation of ecto-5â€²-nucleotidase in the inflammatory response in an adult zebrafish (Danio rerio) model. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2022, 260, 109402. | 2.6 | 0 |