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Reactive oxygen species formation as a biomarker of methylmercury and trimethyltin neurotoxicity

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|-----|---|-----|-----------|
| 319 | MPTP-induced oxidative stress and neurotoxicity are age-dependent: evidence from measures of reactive oxygen species and striatal dopamine levels. 1994 , 18, 27-34 | | 111 |
| 318 | Methylmercury-induced augmentation of oxidative metabolism in cerebellar neurons dissociated from the rats: its dependence on intracellular Ca ²⁺ . 1994 , 660, 154-7 | | 30 |
| 317 | Trimethyltin disrupts N1 sensitivity, but has limited effects on the summing potential and cochlear microphonic. 1994 , 78, 189-96 | | 8 |
| 316 | Brain peroxidative and glutathione status after moderate hypoxia in normal weight and intra-uterine growth-restricted newborn piglets. 1995 , 47, 139-47 | | 3 |
| 315 | Mast cells in neuroimmune function: neurotoxicological and neuropharmacological perspectives. <i>Neurochemical Research</i> , 1995 , 20, 521-32 | 4.6 | 96 |
| 314 | Endogenous excitatory amino acid release from brain slices and astrocyte cultures evoked by trimethyltin and other neurotoxic agents. <i>Neurochemical Research</i> , 1995 , 20, 847-58 | 4.6 | 26 |
| 313 | Microglial responsiveness as a sensitive marker for trimethyltin (TMT) neurotoxicity. 1995 , 690, 8-14 | | 57 |
| 312 | Elevation of intracellular calcium levels in spiral ganglion cells by trimethyltin. 1995 , 91, 101-9 | | 15 |
| 311 | Direct detection of ototoxicant-induced reactive oxygen species generation in cochlear explants. 1996 , 98, 116-24 | | 261 |
| 310 | Metallothionein induction protects swollen rat primary astrocyte cultures from methylmercury-induced inhibition of regulatory volume decrease. 1996 , 738, 213-21 | | 14 |
| 309 | Trimethyltin (TMT) neurotoxicity in organotypic rat hippocampal slice cultures. 1998 , 783, 305-15 | | 39 |
| 308 | Induction of astrocyte metallothioneins (MTs) by zinc confers resistance against the acute cytotoxic effects of methylmercury on cell swelling, Na ⁺ uptake, and K ⁺ release. 1998 , 813, 254-61 | | 51 |
| 307 | Methylmercury toxicity in dissociated rat brain neurons: modification by l-cysteine and trimethylbenzylmercaptan and comparison with dimethylmercury and N-ethylmaleimide. 1998 , 6, 221-7 | | 5 |
| 306 | Repin-induced neurotoxicity in rodents. 1998 , 152, 129-36 | | 18 |
| 305 | Evidence that oxidative stress is associated with the pathophysiology of inherited hydrocephalus in the H-Tx rat model. 1999 , 155, 109-17 | | 203 |
| 304 | The effect of age on cyclooxygenase-2 gene expression: NF-kappaB activation and IkappaBalpha degradation. 2000 , 28, 683-92 | | 170 |
| 303 | Age-related changes in reactive oxygen species production in rat brain homogenates. 2000 , 22, 175-81 | | 258 |

| | | |
|-----|---|--------|
| 302 | The influence of nutrition on methyl mercury intoxication. 2000 , 108 Suppl 1, 29-56 | 102 |
| 301 | Mechanisms of injury in the central nervous system. 2000 , 28, 43-53 | 109 |
| 300 | Chronic brain oxidation in a glutathione peroxidase knockout mouse model results in increased resistance to induced epileptic seizures. 2000 , 164, 257-68 | 34 |
| 299 | Determination of a site-specific reference dose for methylmercury for fish-eating populations. 2000 , 16, 335-438 | 26 |
| 298 | Neurotoxicity and molecular effects of methylmercury. 2001 , 55, 197-203 | 272 |
| 297 | Methylmercury neurotoxicity in cultures of human neurons, astrocytes, neuroblastoma cells. <i>NeuroToxicology</i> , 2001 , 22, 317-27 | 4-4 93 |
| 296 | Identification and characterization of uptake systems for cystine and cysteine in cultured astrocytes and neurons: evidence for methylmercury-targeted disruption of astrocyte transport. 2001 , 66, 998-1002 | 92 |
| 295 | Role of astrocytes in trimethyltin neurotoxicity. 2001 , 15, 256-62 | 32 |
| 294 | The effect of aliphatic, naphthenic, and aromatic hydrocarbons on production of reactive oxygen species and reactive nitrogen species in rat brain synaptosome fraction: the involvement of calcium, nitric oxide synthase, mitochondria, and phospholipase A. 2001 , 62, 119-28 | 66 |
| 293 | Mercuric chloride, but not methylmercury, inhibits glutamine synthetase activity in primary cultures of cortical astrocytes. 2001 , 891, 148-57 | 43 |
| 292 | Methylmercury inhibits the in vitro uptake of the glutathione precursor, cystine, in astrocytes, but not in neurons. 2001 , 894, 131-40 | 88 |
| 291 | Methylmercury-mediated inhibition of 3H-D-aspartate transport in cultured astrocytes is reversed by the antioxidant catalase. 2001 , 902, 92-100 | 83 |
| 290 | Methylmercury has a selective effect on mitochondria in cultured astrocytes in the presence of [U-(13)C]glutamate. 2001 , 908, 149-54 | 26 |
| 289 | Methylmercury inhibits cysteine uptake in cultured primary astrocytes, but not in neurons. 2001 , 914, 159-65 | 42 |
| 288 | Mechanisms of the apoptotic and necrotic actions of trimethyltin in cerebellar granule cells. 2001 , 64, 83-9 | 57 |
| 287 | Organic mercury compounds: human exposure and its relevance to public health. 2002 , 18, 109-60 | 92 |
| 286 | Methylmercury enhances arachidonic acid release and cytosolic phospholipase A2 expression in primary cultures of neonatal astrocytes. 2002 , 106, 1-11 | 68 |
| 285 | The consequences of methylmercury exposure on interactive functions between astrocytes and neurons. <i>NeuroToxicology</i> , 2002 , 23, 755-9 | 4-4 59 |

| | | | |
|-----|--|-----|-----|
| 284 | Influence of aging and calorie restriction on MAPKs activity in rat kidney. 2002 , 37, 1041-53 | | 58 |
| 283 | Lack of prion protein expression results in a neuronal phenotype sensitive to stress. 2002 , 67, 211-24 | | 182 |
| 282 | Effects of mercury vapor inhalation on reactive oxygen species and antioxidant enzymes in rat brain and kidney are minimal. 2002 , 22, 167-72 | | 33 |
| 281 | Astrocyte-mediated methylmercury neurotoxicity. 2003 , 95, 1-10 | | 48 |
| 280 | Neurotoxicity of organomercurial compounds. <i>Neurotoxicity Research</i> , 2003 , 5, 283-305 | 4-3 | 146 |
| 279 | Evaluation of the probes 2',7'-dichlorofluorescein diacetate, luminol, and lucigenin as indicators of reactive species formation. 2003 , 65, 1575-82 | | 520 |
| 278 | The contributions of excitotoxicity, glutathione depletion and DNA repair in chemically induced injury to neurones: exemplified with toxic effects on cerebellar granule cells. 2004 , 88, 513-31 | | 88 |
| 277 | Methylmercury-induced reactive oxygen species formation in neonatal cerebral astrocytic cultures is attenuated by antioxidants. 2003 , 110, 85-91 | | 118 |
| 276 | Genetic or pharmacological iron chelation prevents MPTP-induced neurotoxicity in vivo: a novel therapy for Parkinson's disease. 2003 , 37, 899-909 | | 535 |
| 275 | Effect of methylmercury on glutamate-cysteine ligase expression in the placenta and yolk sac during mouse development. 2004 , 19, 117-29 | | 9 |
| 274 | Increased formation of reactive oxygen species, but no changes in glutathione peroxidase activity, in striata of mice transgenic for the Huntington's disease mutation. <i>Neurochemical Research</i> , 2004 , 29, 729-33 | 4.6 | 110 |
| 273 | NF-kappaB activation mechanism of 4-hydroxyhexenal via NIK/IKK and p38 MAPK pathway. 2004 , 566, 183-9 | | 72 |
| 272 | Free radical formation in cerebral cortical astrocytes in culture induced by methylmercury. 2004 , 128, 48-57 | | 87 |
| 271 | S-Allylcysteine, a garlic-derived antioxidant, ameliorates quinolinic acid-induced neurotoxicity and oxidative damage in rats. 2004 , 45, 1175-83 | | 126 |
| 270 | Disruption of intraneuronal divalent cation regulation by methylmercury: are specific targets involved in altered neuronal development and cytotoxicity in methylmercury poisoning?. <i>NeuroToxicology</i> , 2004 , 25, 741-60 | 4.4 | 75 |
| 269 | Methylmercury: recent advances in the understanding of its neurotoxicity. 2005 , 27, 278-83 | | 57 |
| 268 | Effects of energy restriction and fish oil supplementation on renal guanidino levels and antioxidant defences in aged lupus-prone B/W mice. 2005 , 93, 835-44 | | 20 |
| 267 | Suppression of oxidative stress in aging NZB/NZW mice: effect of fish oil feeding on hepatic antioxidant status and guanidino compounds. 2005 , 39, 1101-10 | | 14 |

| | | | |
|-----|---|-----|-----|
| 266 | Modulatory effect of glutathione status and antioxidants on methylmercury-induced free radical formation in primary cultures of cerebral astrocytes. 2005 , 137, 11-22 | | 106 |
| 265 | Oxiracetam pre- but not post-treatment prevented social recognition deficits produced with trimethyltin in rats. 2005 , 161, 213-9 | | 9 |
| 264 | Low dose mercury toxicity and human health. 2005 , 20, 351-60 | | 734 |
| 263 | Ascorbate attenuates trimethyltin-induced oxidative burden and neuronal degeneration in the rat hippocampus by maintaining glutathione homeostasis. 2005 , 133, 715-27 | | 82 |
| 262 | Decreased nitric oxide production in the rat brain after chronic arsenic exposure. <i>Neurochemical Research</i> , 2006 , 31, 1069-77 | 4.6 | 51 |
| 261 | Effect of methyl mercury induced free radical stress on nucleic acids and protein: Implications on cognitive and motor functions. 2006 , 21, 149-52 | | 18 |
| 260 | Methylmercury causes oxidative stress and cytotoxicity in microglia: attenuation by 15-deoxy-delta 12, 14-prostaglandin J2. 2006 , 171, 17-28 | | 48 |
| 259 | Hepatic oxidative stress during aging: effects of 8% long-term calorie restriction and lifelong exercise. 2006 , 8, 529-38 | | 61 |
| 258 | Chemically diverse toxicants converge on Fyn and c-Cbl to disrupt precursor cell function. 2007 , 5, e35 | | 74 |
| 257 | Methylmercury-induced changes in mitochondrial function in striatal synaptosomes are calcium-dependent and ROS-independent. <i>NeuroToxicology</i> , 2007 , 28, 720-6 | 4.4 | 47 |
| 256 | Mercury exposure and public health. 2007 , 54, 237-69, viii | | 119 |
| 255 | Methylmercury neurotoxicity: Role of oxidative stress. 2007 , 89, 535-554 | | 16 |
| 254 | Involvement of glutamate and reactive oxygen species in methylmercury neurotoxicity. 2007 , 40, 285-91 | | 214 |
| 253 | Selective protection against oxidative damage in brain of mice with a targeted disruption of the neuronal nitric oxide synthase gene. 2007 , 85, 1391-402 | | 12 |
| 252 | Evaluation of oxidative stress in D-serine induced nephrotoxicity. 2007 , 229, 123-35 | | 47 |
| 251 | Role of glutathione in determining the differential sensitivity between the cortical and cerebellar regions towards mercury-induced oxidative stress. 2007 , 230, 164-77 | | 55 |
| 250 | Effects of 2,3-dimercapto-1-propanesulfonic acid (DMPS) on methylmercury-induced locomotor deficits and cerebellar toxicity in mice. 2007 , 239, 195-203 | | 58 |
| 249 | Methylmercury induces oxidative injury, alterations in permeability and glutamine transport in cultured astrocytes. 2007 , 1131, 1-10 | | 148 |

| | | |
|-----|--|--------|
| 248 | Lidocaine affects the redox environment and the antioxidant enzymatic system causing oxidative stress in the hippocampus and amygdala of adult rats. 2008 , 83, 681-5 | 28 |
| 247 | Docosahexaenoic acid may act as a neuroprotector for methylmercury-induced neurotoxicity in primary neural cell cultures. <i>NeuroToxicology</i> , 2008 , 29, 978-87 | 4-4 35 |
| 246 | The use of fluorescence for detecting MeHg-induced ROS in cell cultures. 2008 , 22, 1392-8 | 16 |
| 245 | Heavy metals: Implications associated to fish consumption. 2008 , 26, 263-71 | 383 |
| 244 | Potentially adverse interactions between haloperidol and valerian. 2008 , 46, 2369-75 | 13 |
| 243 | Effects of proanthocyanidin preparations on hyperlipidemia and other biomarkers in mouse model of type 2 diabetes. 2008 , 56, 7781-9 | 76 |
| 242 | Acrylamide: a dietary carcinogen formed in vivo?. 2008 , 56, 6020-3 | 19 |
| 241 | N-acetylcysteine as a potential antidote and biomonitoring agent of methylmercury exposure. 2008 , 116, 26-31 | 45 |
| 240 | Methylmercury toxicity and Nrf2-dependent detoxification in astrocytes. 2009 , 107, 135-43 | 72 |
| 239 | Methylmercury neurotoxicity is associated with inhibition of the antioxidant enzyme glutathione peroxidase. 2009 , 47, 449-57 | 179 |
| 238 | Decreased nitric oxide markers and morphological changes in the brain of arsenic-exposed rats. 2009 , 261, 68-75 | 67 |
| 237 | Saquinone reduces oxygen-glucose deprivation-evoked neuronal cell death via suppression of intracellular radical production. 2009 , 32, 1599-606 | 10 |
| 236 | Low level and sub-chronic exposure to methylmercury induces hypertension in rats: nitric oxide depletion and oxidative damage as possible mechanisms. 2009 , 83, 653-62 | 56 |
| 235 | Swimming training prevents pentylentetrazol-induced inhibition of Na ⁺ , K ⁺ -ATPase activity, seizures, and oxidative stress. 2009 , 50, 811-23 | 61 |
| 234 | Contribution of in vitro neurotoxicology studies to the elucidation of neurodegenerative processes. 2009 , 80, 211-6 | 10 |
| 233 | The in vitro effects of selenomethionine on methylmercury-induced neurotoxicity. 2009 , 23, 378-85 | 30 |
| 232 | Comparison of alterations in amino acids content in cultured astrocytes or neurons exposed to methylmercury separately or in co-culture. 2009 , 55, 136-42 | 13 |
| 231 | Protection of pyrroloquinoline quinone against methylmercury-induced neurotoxicity via reducing oxidative stress. 2009 , 43, 224-33 | 30 |

| | | |
|-----|--|-----|
| 230 | Effect of allopurinol on damage caused by free radicals to cryptorchid testes. 2009 , 111, 127-37 | 15 |
| 229 | Effects of morroniside isolated from Corni Fructus on renal lipids and inflammation in type 2 diabetic mice. 2010 , 62, 374-80 | 31 |
| 228 | Towards a unifying, systems biology understanding of large-scale cellular death and destruction caused by poorly liganded iron: Parkinson's, Huntington's, Alzheimer's, prions, bactericides, chemical toxicology and others as examples. 2010 , 84, 825-89 | 292 |
| 227 | Beneficial effect of 7-O-galloyl-D-sedoheptulose on oxidative stress and hepatic and renal changes in type 2 diabetic db/db mice. 2010 , 640, 233-42 | 24 |
| 226 | Evaluation of loganin, iridoid glycoside from Corni Fructus, on hepatic and renal glucolipototoxicity and inflammation in type 2 diabetic db/db mice. 2010 , 648, 179-87 | 80 |
| 225 | The in vitro effects of Trolox on methylmercury-induced neurotoxicity. 2010 , 276, 73-8 | 24 |
| 224 | Mechanisms underlying striatal vulnerability to 3-nitropropionic acid. 2010 , 114, 597-605 | 15 |
| 223 | Sub-chronic exposure to methylmercury at low levels decreases butyrylcholinesterase activity in rats. 2010 , 106, 95-9 | 8 |
| 222 | Hypolipidaemic and antioxidative effects of oligonol, a low-molecular-weight polyphenol derived from lychee fruit, on renal damage in type 2 diabetic mice. 2010 , 104, 1120-8 | 26 |
| 221 | The roles of cellular reactive oxygen species, oxidative stress and antioxidants in pregnancy outcomes. 2010 , 42, 1634-50 | 439 |
| 220 | Structure-activity relationship of flavonoids derived from medicinal plants in preventing methylmercury-induced mitochondrial dysfunction. 2010 , 30, 272-278 | 53 |
| 219 | Human neuroblastoma cells transfected with tyrosine hydroxylase gain increased resistance to methylmercury-induced cell death. 2010 , 24, 1498-503 | 13 |
| 218 | Chinese prescription Kangen-karyu prevents dyslipidaemia and oxidative stress in mouse model of type 2 diabetes. 2011 , 63, 111-9 | 11 |
| 217 | Morin modulates the oxidative stress-induced NF-kappaB pathway through its anti-oxidant activity. 2010 , 44, 454-61 | 50 |
| 216 | Effects of methoxsalen from Poncirus trifoliata on acetylcholinesterase and trimethyltin-induced learning and memory impairment. 2011 , 75, 1984-9 | 20 |
| 215 | Treatment with oligonol, a low-molecular polyphenol derived from lychee fruit, attenuates diabetes-induced hepatic damage through regulation of oxidative stress and lipid metabolism. 2011 , 106, 1013-22 | 57 |
| 214 | Mercury. 2011 , 451-459 | 1 |
| 213 | Brain as a critical target of mercury in environmentally exposed fish (<i>Dicentrarchus labrax</i>)--bioaccumulation and oxidative stress profiles. 2011 , 103, 233-40 | 46 |

| | | | |
|-----|---|-----|-----|
| 212 | Evaluation of protective effects of fish oil against oxidative damage in rats exposed to methylmercury. 2011 , 74, 487-93 | | 38 |
| 211 | Trimethyltin-induced hippocampal degeneration as a tool to investigate neurodegenerative processes. 2011 , 58, 729-38 | | 89 |
| 210 | Role of oxidative stress in epileptic seizures. 2011 , 59, 122-37 | | 262 |
| 209 | Methylmercury-induced alterations in astrocyte functions are attenuated by ebselen. <i>NeuroToxicology</i> , 2011 , 32, 291-9 | 4.4 | 69 |
| 208 | Role of oxidative stress and the mitochondrial permeability transition in methylmercury cytotoxicity. <i>NeuroToxicology</i> , 2011 , 32, 526-34 | 4.4 | 39 |
| 207 | In vitro biomarkers of developmental neurotoxicity. 2011 , 227-252 | | 1 |
| 206 | Biochemical factors modulating cellular neurotoxicity of methylmercury. 2011 , 2011, 721987 | | 15 |
| 205 | Plausibility of toxicological interaction between lead and methylmercury. 2011 , 93, 1423-1462 | | 2 |
| 204 | Evaluation of morroniside, iridoid glycoside from Corni Fructus, on diabetes-induced alterations such as oxidative stress, inflammation, and apoptosis in the liver of type 2 diabetic db/db mice. 2011 , 34, 1559-65 | | 52 |
| 203 | Chinese prescription kangen-karyu ameliorates the development of diabetic hepatic damages via regulating oxidative stress and inflammation in the liver of db/db mice. 2011 , 34, 383-8 | | 3 |
| 202 | Oxidative stress in MeHg-induced neurotoxicity. 2011 , 256, 405-17 | | 240 |
| 201 | Hepato-protective effects of loganin, iridoid glycoside from Corni Fructus, against hyperglycemia-activated signaling pathway in liver of type 2 diabetic db/db mice. 2011 , 290, 14-21 | | 42 |
| 200 | Possible role of serotonergic system in the neurobehavioral impairment induced by acute methylmercury exposure in zebrafish (<i>Danio rerio</i>). 2011 , 33, 727-34 | | 50 |
| 199 | Arsenite exposure downregulates EAAT1/GLAST transporter expression in glial cells. 2011 , 122, 539-50 | | 26 |
| 198 | Evaluation of Effects of Chinese Prescription Kangen-karyu on Diabetes-Induced Alterations such as Oxidative Stress and Apoptosis in the Liver of Type 2 Diabetic db/db Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012 , 2012, 143489 | 2.3 | 2 |
| 197 | Rokumi-jio-gan-Containing Prescriptions Attenuate Oxidative Stress, Inflammation, and Apoptosis in the Remnant Kidney. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012 , 2012, 587902 | 2.3 | 8 |
| 196 | Glutathione-mediated neuroprotection against methylmercury neurotoxicity in cortical culture is dependent on MRP1. <i>NeuroToxicology</i> , 2012 , 33, 476-81 | 4.4 | 28 |
| 195 | Probucol modulates oxidative stress and excitotoxicity in Huntington's disease models in vitro. 2012 , 87, 397-405 | | 40 |

| | | |
|-----|--|--------|
| 194 | 7-O-galloyl-D-sedoheptulose ameliorates renal damage triggered by reactive oxygen species-sensitive pathway of inflammation and apoptosis. 2012 , 64, 1730-40 | 12 |
| 193 | Glia and methylmercury neurotoxicity. 2012 , 75, 1091-101 | 53 |
| 192 | The prenatal toxic effect of methylmercury on the development of the appendicular skeleton of rat fetuses and the protective role of vitamin E. 2012 , 295, 939-49 | 10 |
| 191 | Antioxidant activity and low toxicity of (E)-1-(1-(methylthio)-1-(selenopheny) hept-1-en-2-yl) pyrrolidin-2-one. 2012 , 28, 213-23 | 4 |
| 190 | Anticoagulatory and antiinflammatory effects of astaxanthin in diabetic rats. 2012 , 77, H76-80 | 37 |
| 189 | The combination of organoselenium compounds and guanosine prevents glutamate-induced oxidative stress in different regions of rat brains. 2012 , 1430, 101-11 | 17 |
| 188 | Inhibitory action of salicylideneamino-2-thiophenol on NF- κ B signaling cascade and cyclooxygenase-2 in HNE-treated endothelial cells. 2013 , 36, 880-9 | 16 |
| 187 | Rokumi-jio-gan-containing prescriptions regulate oxidative stress through improving dyslipidemia in a subtotal nephrectomized rat model. 2013 , 148, 449-58 | 4 |
| 186 | Antioxidant effect of zinc chloride against ethanol-induced gastrointestinal lesions in rats. 2013 , 58, 522-9 | 30 |
| 185 | Succinobucol versus probucol: higher efficiency of succinobucol in mitigating 3-NP-induced brain mitochondrial dysfunction and oxidative stress in vitro. 2013 , 13, 125-33 | 20 |
| 184 | Evaluation of 7-O-galloyl-D-sedoheptulose, isolated from Corni Fructus, in the adipose tissue of type 2 diabetic db/db mice. 2013 , 89, 131-42 | 11 |
| 183 | Expression of human oxoguanine glycosylase 1 or formamidopyrimidine glycosylase in human embryonic kidney 293 cells exacerbates methylmercury toxicity in vitro. 2013 , 271, 41-8 | 3 |
| 182 | Sensitivity to methylmercury toxicity is enhanced in oxoguanine glycosylase 1 knockout murine embryonic fibroblasts and is dependent on cellular proliferation capacity. 2013 , 270, 23-30 | 2 |
| 181 | Neuroprotective strategies in hippocampal neurodegeneration induced by the neurotoxicant trimethyltin. <i>Neurochemical Research</i> , 2013 , 38, 240-53 | 4.6 35 |
| 180 | Antioxidant effect of organic purple grape juice on exhaustive exercise. 2013 , 38, 558-65 | 14 |
| 179 | Perfluoroalkylated compounds induce cell death and formation of reactive oxygen species in cultured cerebellar granule cells. 2013 , 218, 56-60 | 40 |
| 178 | Beneficial effects of the active principle component of Korean cabbage kimchi via increasing nitric oxide production and suppressing inflammation in the aorta of apoE knockout mice. 2013 , 109, 17-24 | 15 |
| 177 | Antioxidant properties of xanthones from <i>Calophyllum brasiliense</i> : prevention of oxidative damage induced by FeSO ₄ 2013 , 13, 262 | 18 |

| | | | |
|-----|--|-----|----|
| 176 | Astrocytes protect neurons against methylmercury via ATP/P2Y(1) receptor-mediated pathways in astrocytes. 2013 , 8, e57898 | | 40 |
| 175 | Both creatine and its product phosphocreatine reduce oxidative stress and afford neuroprotection in an in vitro Parkinson's model. 2014 , 6, | | 26 |
| 174 | The Role of Heavy Metal Pollution in Neurobehavioral Disorders: a Focus on Autism. 2014 , 1, 354-372 | | 49 |
| 173 | Chinese prescription Kangen-karyu and Salviae Miltiorrhizae Radix improve age-related oxidative stress and inflammatory response through the PI3K/Akt or MAPK pathways. 2014 , 42, 987-1005 | | 18 |
| 172 | Black soybean extract protects against TMT-induced cognitive defects in mice. 2014 , 17, 83-91 | | 5 |
| 171 | Effect of Uncaria tomentosa Extract on Apoptosis Triggered by Oxaliplatin Exposure on HT29 Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014 , 2014, 274786 | 2.3 | 11 |
| 170 | Effect of commercially available green and black tea beverages on drug-metabolizing enzymes and oxidative stress in Wistar rats. 2014 , 70, 120-7 | | 19 |
| 169 | Grape seed proanthocyanidin extract improves the hepatic glutathione metabolism in obese Zucker rats. 2014 , 58, 727-37 | | 29 |
| 168 | Lactonization of fluorinated porphyrin enhances LDL binding affinity, cellular uptake with selective intracellular localization. 2014 , 5, 558-566 | | 29 |
| 167 | Dietary selenium protect against redox-mediated immune suppression induced by methylmercury exposure. 2014 , 72, 169-77 | | 25 |
| 166 | Oligonol, a low-molecular-weight polyphenol derived from lychee fruit, attenuates diabetes-induced renal damage through the advanced glycation end product-related pathway in db/db mice. 2014 , 144, 1150-7 | | 25 |
| 165 | Role of GLUT1 in regulation of reactive oxygen species. 2014 , 2, 764-71 | | 35 |
| 164 | Protective effect of Rhei Rhizoma on reflux esophagitis in rats via Nrf2-mediated inhibition of NF- κ B signaling pathway. 2016 , 16, 7 | | 13 |
| 163 | Heat-Processed Scutellariae Radix Enhances Anti-Inflammatory Effect against Lipopolysaccharide-Induced Acute Lung Injury in Mice via NF- κ B Signaling. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015 , 2015, 456846 | 2.3 | 11 |
| 162 | Neurotoxicity of trimethyltin in rat cochlear organotypic cultures. <i>Neurotoxicity Research</i> , 2015 , 28, 43-54.3 | | 15 |
| 161 | Ameliorating effects of ethyl acetate fraction from onion (<i>Allium cepa</i> L.) flesh and peel in mice following trimethyltin-induced learning and memory impairment. 2015 , 75, 53-60 | | 16 |
| 160 | Anti-hyperglycemic and hypolipidemic effects of baechukimchi with Ecklonia cava in type 2 diabetic db/db mice. 2015 , 24, 307-314 | | 2 |
| 159 | Astaxanthin and Corni Fructus protect against diabetes-induced oxidative stress, inflammation, and advanced glycation end product in livers of streptozotocin-induced diabetic rats. 2015 , 18, 337-44 | | 37 |

| | | |
|-----|---|-----|
| 158 | Microglia trigger astrocyte-mediated neuroprotection via purinergic gliotransmission. 2014 , 4, 4329 | 67 |
| 157 | Hepatoprotective effect of phosphatidylcholine against carbon tetrachloride liver damage in mice. 2015 , 460, 308-13 | 19 |
| 156 | Antioxidant effects of Dendropanax morbifera L'Veille extract in the hippocampus of mercury-exposed rats. 2015 , 15, 247 | 35 |
| 155 | Physical exercise prevents short and long-term deficits on aversive and recognition memory and attenuates brain oxidative damage induced by maternal deprivation. 2015 , 152, 99-105 | 20 |
| 154 | LCESI/MS/MS analysis of Asparagus racemosus Willd. roots and its protective effects against t-BHP induced oxidative stress in rats. 2015 , 78, 102-109 | 11 |
| 153 | Antioxidant and Anti-Inflammatory Effects of Rhei Rhizoma and Coptidis Rhizoma Mixture on Reflux Esophagitis in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016 , 2016, 2052180 ²⁻³ | 23 |
| 152 | Low-Dose Methylmercury-Induced Apoptosis and Mitochondrial DNA Mutation in Human Embryonic Neural Progenitor Cells. 2016 , 2016, 5137042 | 18 |
| 151 | Reversal of Trimethyltin-Induced Learning and Memory Deficits by 3,5-Dicaffeoylquinic Acid. 2016 , 2016, 6981595 | 20 |
| 150 | Essential Roles of Natural Products and Gaseous Mediators on Neuronal Cell Death or Survival. 2016 , 17, | 9 |
| 149 | Post-Intake of S-Ethyl Cysteine and S-Methyl Cysteine Improved LPS-Induced Acute Lung Injury in Mice. 2016 , 8, | 6 |
| 148 | Ibuprofen intake increases exercise time to exhaustion: A possible role for preventing exercise-induced fatigue. 2016 , 26, 1160-70 | 13 |
| 147 | Transport of pyruvate into mitochondria is involved in methylmercury toxicity. 2016 , 6, 21528 | 16 |
| 146 | Increased xanthine oxidase-related ROS production and TRPV1 synthesis preceding DOMS post-eccentric exercise in rats. 2016 , 152, 52-9 | 11 |
| 145 | Allium hookeri root protects oxidative stress-induced inflammatory responses and cell damage in pancreas of streptozotocin-induced diabetic rats. 2016 , 16, 63 | 33 |
| 144 | 2,2',4,4'-Tetrabromodiphenyl ether injures cell viability and mitochondrial function of mouse spermatocytes by decreasing mitochondrial proteins Atp5b and Uqcrc1. 2016 , 46, 301-310 | 21 |
| 143 | Ameliorative effects of egg white hydrolysate on recognition memory impairments associated with chronic exposure to low mercury concentration. 2016 , 101, 30-37 | 20 |
| 142 | Heavy metals (Pb, Cd, As and MeHg) as risk factors for cognitive dysfunction: A general review of metal mixture mechanism in brain. 2016 , 48, 203-213 | 206 |
| 141 | In vivo protective effect of phosphatidylcholine on carbon tetrachloride induced nephrotoxicity. 2016 , 68, 553-558 | 16 |

- 140 Obese Mice Fed a Diet Supplemented with Enzyme-Treated Wheat Bran Display Marked Shifts in the Liver Metabolome Concurrent with Altered Gut Bacteria. **2016**, 146, 2445-2460 11
- 139 Oligonol, a low-molecular-weight polyphenol derived from lychee fruit, protects the pancreas from apoptosis and proliferation via oxidative stress in streptozotocin-induced diabetic rats. *Food and Function*, **2016**, 7, 3056-3063 6.1 18
- 138 Succinobucol, a Lipid-Lowering Drug, Protects Against 3-Nitropropionic Acid-Induced Mitochondrial Dysfunction and Oxidative Stress in SH-SY5Y Cells via Upregulation of Glutathione Levels and Glutamate Cysteine Ligase Activity. **2016**, 53, 1280-1295 20
- 137 The Impact of Previous Physical Training on Redox Signaling after Traumatic Brain Injury in Rats: A Behavioral and Neurochemical Approach. **2016**, 33, 1317-30 25
- 136 Chronic Treatment with Paraquat Induces Brain Injury, Changes in Antioxidant Defenses System, and Modulates Behavioral Functions in Zebrafish. **2017**, 54, 3925-3934 60
- 135 Diet enriched with the Amazon fruit açaí (*Euterpe oleracea*) prevents electrophysiological deficits and oxidative stress induced by methyl-mercury in the rat retina. **2017**, 20, 265-272 10
- 134 Adverse effects of methylmercury (MeHg) on life parameters, antioxidant systems, and MAPK signaling pathways in the copepod *Tigriopus japonicus*. **2017**, 184, 133-141 21
- 133 Magnesium Lithospermate B from *Salvia miltiorrhiza* Bunge Ameliorates Aging-Induced Renal Inflammation and Senescence via NADPH Oxidase-Mediated Reactive Oxygen Generation. **2017**, 31, 721-728 14
- 132 *Allium hookeri* root extract exerts anti-inflammatory effects by nuclear factor- κ B down-regulation in lipopolysaccharide-induced RAW264.7 cells. **2017**, 17, 126 25
- 131 Persicarin isolated from protects against diabetes-induced oxidative stress and inflammation in the liver of streptozotocin-induced type 1 diabetic mice. **2017**, 13, 1194-1202 10
- 130 Effects of triclosan (TCS) on fecundity, the antioxidant system, and oxidative stress-mediated gene expression in the copepod *Tigriopus japonicus*. **2017**, 189, 16-24 47
- 129 The cessation of the long-term exposure to low doses of mercury ameliorates the increase in systolic blood pressure and vascular damage in rats. **2017**, 155, 182-192 11
- 128 Egg white-derived peptides prevent male reproductive dysfunction induced by mercury in rats. **2017**, 100, 253-264 16
- 127 Hot water extracts of pressure-roasted dried radish attenuates hepatic oxidative stress via Nrf2 up-regulation in mice fed high-fat diet. **2017**, 26, 1063-1069 1
- 126 Green tea protects against memory deficits related to maternal deprivation. **2017**, 182, 121-127 10
- 125 Heat-Processed *Scutellariae Radix* Protects Hepatic Inflammation through the Amelioration of Oxidative Stress in Lipopolysaccharide-Induced Mice. **2017**, 45, 1233-1252 12
- 124 Exposure to Electrophiles Impairs Reactive Persulfide-Dependent Redox Signaling in Neuronal Cells. **2017**, 30, 1673-1684 28
- 123 Oxidative stress in dairy cows seropositives for *Neospora caninum*. **2017**, 54, 34-37 4

| | | |
|-----|--|----|
| 122 | Hesperidin attenuates inflammation and oxidative damage in pleural exudates and liver of rat model of pleurisy. 2017 , 22, 563-571 | 17 |
| 121 | Establishment of a new teleost brain cell line (DLB-1) from the European sea bass and its use to study metal toxicology. 2017 , 38, 91-100 | 17 |
| 120 | Chronic administration of methionine and/or methionine sulfoxide alters oxidative stress parameters and ALA-D activity in liver and kidney of young rats. 2017 , 49, 129-138 | 23 |
| 119 | Food combination based on a pre-hispanic Mexican diet decreases metabolic and cognitive abnormalities and gut microbiota dysbiosis caused by a sucrose-enriched high-fat diet in rats. 2017 , 61, 1501023 | 30 |
| 118 | Superoxide anion generation and oxidative stress in methylmercury-induced endothelial toxicity in vitro. 2017 , 38, 19-26 | 12 |
| 117 | Cytotoxicity induced by carbon nanotubes in experimental malignant glioma. 2017 , 12, 6005-6026 | 16 |
| 116 | Spirulina maxima Extract Prevents Neurotoxicity via Promoting Activation of BDNF/CREB Signaling Pathways in Neuronal Cells and Mice. 2017 , 22, | 24 |
| 115 | Differential Effect of Sucrose and Fructose in Combination with a High Fat Diet on Intestinal Microbiota and Kidney Oxidative Stress. 2017 , 9, | 43 |
| 114 | Banhasasim-Tang Treatment Reduces the Severity of Esophageal Mucosal Ulcer on Chronic Acid Reflux Esophagitis in Rats. 2017 , 2017, 7157212 | 6 |
| 113 | Comparative Evaluation between Sulfasalazine Alone and in Combination with Herbal Medicine on DSS-Induced Ulcerative Colitis Mice. 2017 , 2017, 6742652 | 14 |
| 112 | Mercury. 2017 , 583-594 | |
| 111 | Kimchi attenuates fatty streak formation in the aorta of low-density lipoprotein receptor knockout mice via inhibition of endoplasmic reticulum stress and apoptosis. 2017 , 11, 445-451 | 6 |
| 110 | In Vitro Biomarkers of Developmental Neurotoxicity. 2017 , 255-288 | |
| 109 | Anthocyanins as a potential pharmacological agent to manage memory deficit, oxidative stress and alterations in ion pump activity induced by experimental sporadic dementia of Alzheimer's type. 2018 , 56, 193-204 | 48 |
| 108 | Hypothyroidism and hyperthyroidism change ectoenzyme activity in rat platelets. 2018 , 119, 6249-6257 | 9 |
| 107 | Environmental enrichment modulates the response to chronic stress in zebrafish. 2018 , 221, | 43 |
| 106 | Protective Effect of Safflower Seed on Cisplatin-Induced Renal Damage in Mice via Oxidative Stress and Apoptosis-Mediated Pathways. 2018 , 46, 157-174 | 20 |
| 105 | Bioactive Compounds of Kimchi Inhibit Apoptosis by Attenuating Endoplasmic Reticulum Stress in the Brain of Amyloid Injected Mice. 2018 , 66, 4883-4890 | 12 |

| | | | |
|-----|--|-----|----|
| 104 | Glioprotective Effects of Lingonberry Extract Against Altered Cellular Viability, Acetylcholinesterase Activity, and Oxidative Stress in Lipopolysaccharide-Treated Astrocytes. 2018 , 38, 1107-1121 | | 17 |
| 103 | Anti-inflammatory activity of mulberrofuran K isolated from the bark of <i>Morus bombycis</i> . 2018 , 58, 117-124 | | 9 |
| 102 | Sodium Selenite Prevents Paraquat-Induced Neurotoxicity in Zebrafish. 2018 , 55, 1928-1941 | | 32 |
| 101 | Cisplatin-induced human peripheral blood mononuclear cells' oxidative stress and nephrotoxicity in head and neck cancer patients: the influence of hydrogen peroxide. 2018 , 440, 139-145 | | 10 |
| 100 | Antioxidant, antihyperglycemic, and antidyslipidemic effects of Brazilian-native fruit extracts in an animal model of insulin resistance. 2018 , 23, 41-46 | | 28 |
| 99 | Behavioral and Biochemical Effects of N-Acetylcysteine in Zebrafish Acutely Exposed to Ethanol. <i>Neurochemical Research</i> , 2018 , 43, 458-464 | 4.6 | 13 |
| 98 | Post-thyroidectomy hypothyroidism increases the expression and activity of ectonucleotidases in platelets: Possible involvement of reactive oxygen species. 2018 , 29, 801-810 | | 7 |
| 97 | Suppressive Effects of Root Extract via Down-Regulation of Activation of Syk, Lyn, and NF- κ B in Fc ϵ RI-Mediated Allergic Reactions. 2018 , 23, 30-34 | | 1 |
| 96 | Oligonol, a low-molecular-weight polyphenol derived from lychee peel, attenuates diabetes-induced pancreatic damage by inhibiting inflammatory responses via oxidative stress-dependent mitogen-activated protein kinase/nuclear factor-kappa B signaling. 2018 , 32, 2541-2550 | | 7 |
| 95 | Neurobehavioral and oxidative stress alterations following methylmercury and retinyl palmitate co-administration in pregnant and lactating rats and their offspring. <i>NeuroToxicology</i> , 2018 , 69, 164-180 | 4.4 | 7 |
| 94 | Bioactive Compounds in Kimchi Improve the Cognitive and Memory Functions Impaired by Amyloid Beta. 2018 , 10, | | 18 |
| 93 | Physiological changes in the adenosine deaminase activity, antioxidant and inflammatory parameters in pregnant cows and at post-partum. 2018 , 102, 910-916 | | 3 |
| 92 | Paraquat and Maneb Exposure Alters Rat Neural Stem Cell Proliferation by Inducing Oxidative Stress: New Insights on Pesticide-Induced Neurodevelopmental Toxicity. <i>Neurotoxicity Research</i> , 2018 , 34, 820-833 | 4.3 | 33 |
| 91 | Hypothyroidism Causes Endoplasmic Reticulum Stress in Adult Rat Hippocampus: A Mechanism Associated with Hippocampal Damage. 2018 , 2018, 2089404 | | 7 |
| 90 | Organotin Compounds Toxicity: Focus on Kidney. 2018 , 9, 256 | | 10 |
| 89 | Biflavonoids Isolated from and Their Anti-Inflammatory Activities via ERK 1/2 Signaling. 2018 , 23, | | 25 |
| 88 | Selenothymidine protects against biochemical and behavioral alterations induced by ICV-STZ model of dementia in mice. 2018 , 294, 135-143 | | 6 |
| 87 | Southern Brazilian native fruit shows neurochemical, metabolic and behavioral benefits in an animal model of metabolic syndrome. <i>Metabolic Brain Disease</i> , 2018 , 33, 1551-1562 | 3.9 | 8 |

| | | | |
|----|---|-----|----|
| 86 | Epigallocatechin-3-Gallate Reduces Hepatic Oxidative Stress and Lowers CYP-Mediated Bioactivation and Toxicity of Acetaminophen in Rats. 2019 , 11, | | 8 |
| 85 | (L.) Schott Fruits Increase Stress Resistance and Exert Antioxidant Properties in and Mouse Models. 2019 , 24, | | 10 |
| 84 | Effects of tannic acid in streptozotocin-induced sporadic Alzheimer's Disease: insights into memory, redox status, Na, K-ATPase and acetylcholinesterase activity. 2019 , 1-8 | | 5 |
| 83 | Tamoxifen-zinc(II) phthalocyanine conjugates for target-based photodynamic therapy and hormone therapy. 2019 , 23, 1073-1083 | | 1 |
| 82 | Acer okamotoanum and isoquercitrin improve cognitive function via attenuation of oxidative stress in high fat diet- and amyloid beta-induced mice. <i>Food and Function</i> , 2019 , 10, 6803-6814 | 6.1 | 16 |
| 81 | Root Bark of Extract and Its Component Methyl Gallate Possess Peroxynitrite Scavenging Activity and Anti-inflammatory Properties through NF- κ B Inhibition in LPS-treated Mice. 2019 , 24, | | 8 |
| 80 | Impairment of the phosphotransfer network and performance in broiler chickens experimentally infected by <i>Eimeria</i> spp.: The role of the oxidative stress. 2019 , 70, 16-22 | | 4 |
| 79 | Safflower (<i>Carthamus tinctorius</i> L.) seed attenuates memory impairment induced by scopolamine in mice via regulation of cholinergic dysfunction and oxidative stress. <i>Food and Function</i> , 2019 , 10, 3650-3659 | 6.1 | 19 |
| 78 | Protection of cholinergic and antioxidant system contributes to the effect of Vitamin D ameliorating memory dysfunction in sporadic dementia of Alzheimer's type. 2019 , 24, 34-40 | | 3 |
| 77 | Behavioural and biochemical parameters in guppy (<i>Poecilia vivipara</i>) following exposure to waterborne zinc in salt or hard water. 2019 , 46, 3399-3409 | | 2 |
| 76 | Metabolic and physiological perturbations of <i>Escherichia coli</i> W3100 by bacterial small RNA RyhB. 2019 , 162, 144-155 | | 3 |
| 75 | Mercury at environmental relevant levels affects spermatozoa function and fertility capacity in bovine sperm. 2019 , 82, 268-278 | | 8 |
| 74 | Protective Effects of Serotonin and its Derivatives, N-Feruloylserotonin and N-(p-Coumaroyl) Serotonin, Against Cisplatin-Induced Renal Damage in Mice. 2019 , 47, 369-383 | | 8 |
| 73 | Methylmercury intoxication and cortical ischemia: Pre-clinical study of their comorbidity. 2019 , 174, 557-565 | | 15 |
| 72 | Acute Exposure to Permethrin Modulates Behavioral Functions, Redox, and Bioenergetics Parameters and Induces DNA Damage and Cell Death in Larval Zebrafish. 2019 , 2019, 9149203 | | 10 |
| 71 | High levels of methionine and methionine sulfoxide: Impact on adenine nucleotide hydrolysis and redox status in platelets and serum of young rats. 2018 , 120, 2289 | | 6 |
| 70 | Physical exercise prevents alterations in purinergic system and oxidative status in lipopolysaccharide-induced sepsis in rats. 2019 , 120, 3232-3242 | | 10 |
| 69 | Low doses of methylmercury exposure during adulthood in rats display oxidative stress, neurodegeneration in the motor cortex and lead to impairment of motor skills. 2019 , 51, 19-27 | | 36 |

| | | | |
|----|--|-----|----|
| 68 | How does physical activity and different models of exercise training affect oxidative parameters and memory?. 2019 , 201, 42-52 | | 15 |
| 67 | Trimethyltin chloride induces reactive oxygen species-mediated apoptosis in retinal cells during zebrafish eye development. 2019 , 653, 36-44 | | 12 |
| 66 | Methylmercury-induced testis damage is associated with activation of oxidative stress and germ cell autophagy. 2019 , 190, 67-74 | | 16 |
| 65 | Combined actions of blueberry extract and lithium on neurochemical changes observed in an experimental model of mania: exploiting possible synergistic effects. <i>Metabolic Brain Disease</i> , 2019 , 34, 605-619 | 3.9 | 12 |
| 64 | Sodium selenite protects from 3-nitropropionic acid-induced oxidative stress in cultured primary cortical neurons. 2019 , 46, 751-762 | | 8 |
| 63 | Glioprotective Effect of Chitosan-Coated Rosmarinic Acid Nanoemulsions Against Lipopolysaccharide-Induced Inflammation and Oxidative Stress in Rat Astrocyte Primary Cultures. 2020 , 40, 123-139 | | 13 |
| 62 | Blackberry extract improves behavioral and neurochemical dysfunctions in a ketamine-induced rat model of mania. 2020 , 714, 134566 | | 9 |
| 61 | Inosine protects against impairment of memory induced by experimental model of Alzheimer disease: a nucleoside with multitarget brain actions. 2020 , 237, 811-823 | | 14 |
| 60 | Hypermethioninemia induces memory deficits and morphological changes in hippocampus of young rats: implications on pathogenesis. 2020 , 52, 371-385 | | 5 |
| 59 | Ameliorative effect of tannic acid on hypermethioninemia-induced oxidative and nitrosative damage in rats: biochemical-based evidences in liver, kidney, brain, and serum. 2020 , 52, 1545-1558 | | |
| 58 | Extraction and characterization of phytochemical compounds from araçazeiro (<i>Psidium cattleianum</i>) leaf: Putative antioxidant and antimicrobial properties. 2020 , 137, 109573 | | 10 |
| 57 | Methylmercury-Mediated Oxidative Stress and Activation of the Cellular Protective System. <i>Antioxidants</i> , 2020 , 9, | 7.1 | 6 |
| 56 | Krill Oil Attenuates Cognitive Impairment by the Regulation of Oxidative Stress and Neuronal Apoptosis in an Amyloid Induced Alzheimer's Disease Mouse Model. 2020 , 25, | | 6 |
| 55 | Blueberry extract as a potential pharmacological tool for preventing depressive-like behavior and neurochemical dysfunctions in mice exposed to lipopolysaccharide. 2020 , 1-14 | | 7 |
| 54 | Eugenia uniflora fruit extract exerts neuroprotective effect on chronic unpredictable stress-induced behavioral and neurochemical changes. 2020 , 44, e13442 | | 2 |
| 53 | The neuroprotective effect of betanin in trimethyltin-induced neurodegeneration in mice. <i>Metabolic Brain Disease</i> , 2020 , 35, 1395-1405 | 3.9 | 7 |
| 52 | Differential susceptibility of PC12 and BRL cells and the regulatory role of HIF-1 β signaling pathway in response to acute methylmercury exposure under normoxia. 2020 , 331, 82-91 | | 1 |
| 51 | Antidepressant Effect and Modulation of the Redox System Mediated by Tannic Acid on Lipopolysaccharide-Induced Depressive and Inflammatory Changes in Mice. <i>Neurochemical Research</i> , 2020 , 45, 2032-2043 | 4.6 | 4 |

| | | | |
|----|---|-----|----|
| 50 | Quercetin prevents alterations of behavioral parameters, delta-aminolevulinic dehydratase activity, and oxidative damage in brain of rats in a prenatal model of autism. 2020 , 80, 287-302 | | 8 |
| 49 | Improvement of Inflammation through Antioxidant Pathway of Gardeniae Fructus 50% EtOH Extract (GE) from Acute Reflux Esophagitis Rats. 2020 , 2020, 4826176 | | 4 |
| 48 | Assessment of River Water Quality in an Agricultural Region of Brazil Using Biomarkers in a Native Neotropical Fish, <i>Astyanax</i> spp. (Characidae). 2020 , 104, 575-581 | | 10 |
| 47 | Rich fatty acids diet of fish and olive oils modifies membrane properties in striatal rat synaptosomes. 2021 , 24, 1-12 | | 2 |
| 46 | 2,4-Dihydroxyphenyl-benzo[d]thiazole (MHY553), a synthetic PPAR α agonist, decreases age-associated inflammatory responses through PPAR α activation and RS scavenging in the skin. 2021 , 143, 111153 | | 2 |
| 45 | Quercetin mitigates the deoxynivalenol mycotoxin induced apoptosis in SH-SY5Y cells by modulating the oxidative stress mediators. 2021 , 28, 465-477 | | 7 |
| 44 | Protective Effects of Inflammation of Curcumae Longae Rhizoma 30% EtOH Extract on Acute Reflux Esophagitis Rats. 2021 , 2021, 8854945 | | 3 |
| 43 | The Protective Action of Rubus sp. Fruit Extract Against Oxidative Damage in Mice Exposed to Lipopolysaccharide. <i>Neurochemical Research</i> , 2021 , 46, 1129-1140 | 4.6 | 0 |
| 42 | Multitarget Effect of 2-(4-(Methylthio)phenyl)-3-(3-(piperidin-1-yl)propyl)thiazolidin-4-one in a Scopolamine-Induced Amnesic Rat Model. <i>Neurochemical Research</i> , 2021 , 46, 1554-1566 | 4.6 | 1 |
| 41 | Neuroprotection elicited by resveratrol in a rat model of hypothyroidism: Possible involvement of cholinergic signaling and redox status. 2021 , 524, 111157 | | 0 |
| 40 | DHA and Its Metabolites Have a Protective Role against Methylmercury-Induced Neurotoxicity in Mouse Primary Neuron and SH-SY5Y Cells. 2021 , 22, | | 2 |
| 39 | <i>Ficus erecta</i> Thunb Leaves Alleviate Memory Loss Induced by Scopolamine in Mice via Regulation of Oxidative Stress and Cholinergic System. 2021 , 58, 3665-3676 | | 2 |
| 38 | Positive effects of biocholine powder dietary supplementation on milk production and quality, and antioxidant responses in lactating ewes: A new nutritional tool. 2021 , 7, e06732 | | |
| 37 | One Week of CDAHFD Induces Steatohepatitis and Mitochondrial Dysfunction with Oxidative Stress in Liver. 2021 , 22, | | 3 |
| 36 | New Benzimidazothiazolone Derivatives as Tyrosinase Inhibitors with Potential Anti-Melanogenesis and Reactive Oxygen Species Scavenging Activities. <i>Antioxidants</i> , 2021 , 10, | 7.1 | 4 |
| 35 | Addition of a blend of essential oils (cloves, rosemary and oregano) and vitamin E to replace conventional chemical antioxidants in dog feed: effects on food quality and health of beagles. 2021 , 75, 389-403 | | 3 |
| 34 | Microencapsulated phytogetic in dog feed modulates immune responses, oxidative status and reduces bacterial (<i>Salmonella</i> and <i>Escherichia coli</i>) counts in feces. 2021 , 159, 105113 | | 1 |
| 33 | Oxidative Stress and Methylmercury-Induced Neurotoxicity. 357-385 | | 5 |

| | | | |
|----|--|-----|----|
| 32 | 5.5 Actions of Toxins on Cerebral Metabolism at the Cellular Level. 2007 , 569-585 | | 2 |
| 31 | Nervous System. 1995 , 199-235 | | 13 |
| 30 | Swimming training induces liver mitochondrial adaptations to oxidative stress in rats submitted to repeated exhaustive swimming bouts. 2013 , 8, e55668 | | 51 |
| 29 | Anti-apoptotic effect of banhasasim-tang on chronic acid reflux esophagitis. 2017 , 23, 4644-4653 | | 5 |
| 28 | New approach of medicinal herbs and sulfasalazine mixture on ulcerative colitis induced by dextran sodium sulfate. 2020 , 26, 5272-5286 | | 6 |
| 27 | Protective effects of red ginseng according to steaming time on HCl/ethanol-induced acute gastritis. 2016 , 59, 365-372 | | 3 |
| 26 | Effect of ischemic preconditioning on antioxidant status in the gerbil hippocampal CA1 region after transient forebrain ischemia. 2016 , 11, 1081-9 | | 7 |
| 25 | Enriched environment prevents oxidative stress in zebrafish submitted to unpredictable chronic stress. 2018 , 6, e5136 | | 17 |
| 24 | Protective Effects of Inosine on Memory Consolidation in a Rat Model of Scopolamine-Induced Cognitive Impairment: Involvement of Cholinergic Signaling, Redox Status, and Ion Pump Activities. <i>Neurochemical Research</i> , 2021 , 1 | 4.6 | 0 |
| 23 | Metal Toxicology. 2001 , | | |
| 22 | NFkB and Neurotoxicity. 2004 , 65-86 | | |
| 21 | Neural Precursor Cells and Toxicant Action. 2004 , 1-27 | | |
| 20 | Astroglia and Methylmercury Neurotoxicity. 2004 , 379-393 | | |
| 19 | Experimental Approaches to Evaluate Mechanisms of Developmental Toxicity. 2005 , 15-60 | | 0 |
| 18 | Experimental approaches to evaluate mechanisms of developmental toxicity. 2011 , 10-44 | | |
| 17 | Methylmercury and Glia Cells. 2012 , 271-285 | | |
| 16 | Methylmercury and Oxidative Stress. 2014 , 65-70 | | |
| 15 | Phytogenic as feed additive for suckling dairy calves has a beneficial effect on animal health and performance. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019 , 91, | 1.4 | 0 |

| | | | |
|----|--|-----|---|
| 14 | SR-5, the specific ratio of Korean multi-herbal formula: An evaluation of antiulcerogenic effects on experimentally induced gastric ulcers in mice. <i>Dose-Response</i> , 2021 , 19, 15593258211044329 | 2.3 | 0 |
| 13 | Selective in vitro anticancer effect of blueberry extract (<i>Vaccinium virgatum</i>) against C6 rat glioma: exploring their redox status. <i>Metabolic Brain Disease</i> , 2021 , 1 | 3.9 | 0 |
| 12 | Toxicity Assessment of L Extract in Mice. <i>Iranian Journal of Pharmaceutical Research</i> , 2017 , 16, 1071-1079. | 1.1 | 4 |
| 11 | Insights into the potential mechanism underlying liver dysfunction in male albino rat exposed to gasoline fumes. <i>Egyptian Journal of Basic and Applied Sciences</i> , 2021 , 8, 302-316 | 1.3 | 2 |
| 10 | Protective Effects of Probuocol on Different Brain Cells Exposed to Manganese.. <i>Neurotoxicity Research</i> , 2022 , 40, 276-285 | 4.3 | 0 |
| 9 | Effect of blueberry extract on energetic metabolism, levels of brain-derived neurotrophic factor, and Ca-ATPase activity in the hippocampus and cerebral cortex of rats submitted to ketamine-induced mania-like behavior.. <i>Metabolic Brain Disease</i> , 2022 , 37, 835 | 3.9 | 1 |
| 8 | Tannic Acid Attenuates Peripheral and Brain Changes in a Preclinical Rat Model of Glioblastoma by Modulating Oxidative Stress and Purinergic Signaling.. <i>Neurochemical Research</i> , 2022 , 1 | 4.6 | 1 |
| 7 | Insights into the mechanism underlying reproductive toxicity of gasoline fumes in male albino rat. <i>Comparative Clinical Pathology</i> , 1 | 0.9 | 1 |
| 6 | Probing the Neural Circuitry Targets of Neurotoxicants Through High Density Silicon Probe Brain Implants.. <i>Frontiers in Toxicology</i> , 2022 , 4, 836427 | 1.6 | 1 |
| 5 | Identification of a Novel Class of Anti-Melanogenic Compounds, (Z)-5-(Substituted benzylidene)-3-phenyl-2-thioxothiazolidin-4-one Derivatives, and Their Reactive Oxygen Species Scavenging Activities. <i>Antioxidants</i> , 2022 , 11, 948 | 7.1 | 1 |
| 4 | Pomegranate and Its Components, Punicalagin and Ellagic Acid, Promote Antidepressant, Antioxidant, and Free Radical-Scavenging Activity in Ovariectomized Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2022 , 16, | 3.5 | 2 |
| 3 | Citrus unshiu Peel Attenuates Dextran Sulfate Sodium-Induced Ulcerative Colitis in Mice due to Modulation of the PI3K/Akt Signaling Pathway and MAPK and NF- κ B. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022 , 2022, 1-13 | 2.3 | 1 |
| 2 | Green sweet potato leaves increase Nrf2-mediated antioxidant activity and facilitate benzo[a]pyrene metabolism in the liver by increasing phase II detoxifying enzyme activities in rats. <i>Food and Function</i> , | 6.1 | 0 |
| 1 | Curcumin or microencapsulated phyto-genic blend to replace ionophore and non-ionophore antibiotics in weaned calves: effects on growth performance and health. <i>Livestock Science</i> , 2022 , 105029 ¹⁻⁷ | | 0 |