

Junichi Fujii

List of Publications by Year in descending order

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Version: 2024-02-01

143
papers

5,556
citations

76326

40
h-index

95266

68
g-index

143
all docs

143
docs citations

143
times ranked

6319
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | D-Cysteine supplementation partially protects against ferroptosis induced by xCT dysfunction via increasing the availability of glutathione. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2022, 71, 48-54. | 1.4 | 3 |
| 2 | Superoxide Radicals in the Execution of Cell Death. <i>Antioxidants</i> , 2022, 11, 501. | 5.1 | 80 |
| 3 | Methionine Deprivation Reveals the Pivotal Roles of Cell Cycle Progression in Ferroptosis That Is Induced by Cysteine Starvation. <i>Cells</i> , 2022, 11, 1603. | 4.1 | 17 |
| 4 | The concerted elevation of conjugation reactions is associated with the aggravation of acetaminophen toxicity in <i>Akr1a</i> -knockout mice with an ascorbate insufficiency. <i>Life Sciences</i> , 2022, 304, 120694. | 4.3 | 1 |
| 5 | Consequences of a peroxiredoxin 4 (<i>Prdx4</i>) deficiency on learning and memory in mice. <i>Biochemical and Biophysical Research Communications</i> , 2022, 621, 32-38. | 2.1 | 0 |
| 6 | Defective biosynthesis of ascorbic acid in <i>Sod1</i> -deficient mice results in lethal damage to lung tissue. <i>Free Radical Biology and Medicine</i> , 2021, 162, 255-265. | 2.9 | 6 |
| 7 | Characterization of a rat monoclonal antibody raised against ferroptotic cells. <i>Journal of Immunological Methods</i> , 2021, 489, 112912. | 1.4 | 11 |
| 8 | Erythrocytes as a preferential target of oxidative stress in blood. <i>Free Radical Research</i> , 2021, 55, 781-799. | 3.3 | 21 |
| 9 | Ascorbate is a multifunctional micronutrient whose synthesis is lacking in primates. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2021, 69, 1-15. | 1.4 | 10 |
| 10 | Superoxide produced by mitochondrial complex III plays a pivotal role in the execution of ferroptosis induced by cysteine starvation. <i>Archives of Biochemistry and Biophysics</i> , 2021, 700, 108775. | 3.0 | 25 |
| 11 | Pleiotropic Actions of Aldehyde Reductase (<i>AKR1A</i>). <i>Metabolites</i> , 2021, 11, 343. | 2.9 | 13 |
| 12 | Developmental retardation in neonates of aldehyde reductase (<i>AKR1A</i>)-deficient mice is associated with low ascorbic acid and high corticosterone levels. <i>Journal of Nutritional Biochemistry</i> , 2021, 91, 108604. | 4.2 | 4 |
| 13 | Nitric oxide produced by <i>NOS2</i> copes with the cytotoxic effects of superoxide in macrophages. <i>Biochemistry and Biophysics Reports</i> , 2021, 26, 100942. | 1.3 | 7 |
| 14 | Nitric oxide protects against ferroptosis by aborting the lipid peroxidation chain reaction. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 115, 34-43. | 2.7 | 28 |
| 15 | Carnosine dipeptidase II (<i>CNDP2</i>) protects cells under cysteine insufficiency by hydrolyzing glutathione-related peptides. <i>Free Radical Biology and Medicine</i> , 2021, 174, 12-27. | 2.9 | 11 |
| 16 | LAT1 inhibitor JPH203 sensitizes cancer cells to radiation by enhancing radiation-induced cellular senescence. <i>Translational Oncology</i> , 2021, 14, 101212. | 3.7 | 4 |
| 17 | Peroxisome proliferator-activated receptor β rescues xCT-deficient cells from ferroptosis by targeting peroxisomes. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112223. | 5.6 | 12 |
| 18 | Ferroptosis caused by cysteine insufficiency and oxidative insult. <i>Free Radical Research</i> , 2020, 54, 969-980. | 3.3 | 56 |

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|----|---|-----|-----------|
| 19 | Ascorbic acid prevents N-nitrosodiethylamine-induced hepatic injury and hepatocarcinogenesis in Akr1a-knockout mice. <i>Toxicology Letters</i> , 2020, 333, 192-201. | 0.8 | 8 |
| 20 | Testis-specific peroxiredoxin 4 variant is not absolutely required for spermatogenesis and fertility in mice. <i>Scientific Reports</i> , 2020, 10, 17934. | 3.3 | 5 |
| 21 | Iron loading exerts synergistic action via a different mechanistic pathway from that of acetaminophen-induced hepatic injury in mice. <i>Free Radical Research</i> , 2020, 54, 606-619. | 3.3 | 6 |
| 22 | Genetic ablation of aldehyde reductase (Akr1a) augments exercise endurance in mice via activation of the PGC-1 α -involved pathway. <i>Life Sciences</i> , 2020, 249, 117501. | 4.3 | 5 |
| 23 | \hat{I}^3 -Glutamylcysteine synthetase and \hat{I}^3 -glutamyl transferase as differential enzymatic sources of \hat{I}^3 -glutamylpeptides in mice. <i>Amino Acids</i> , 2020, 52, 555-566. | 2.7 | 15 |
| 24 | Cysteine preservation confers resistance to glutathione-depleted cells against ferroptosis via CDGSH iron sulphur domain-containing proteins (CISDs). <i>Free Radical Research</i> , 2020, 54, 397-407. | 3.3 | 28 |
| 25 | Emerging connections between oxidative stress, defective proteolysis, and metabolic diseases. <i>Free Radical Research</i> , 2020, 54, 931-946. | 3.3 | 17 |
| 26 | Heterozygous SOD1 deficiency in mice with an NZW background causes male infertility and an aberrant immune phenotype. <i>Free Radical Research</i> , 2019, 53, 1060-1072. | 3.3 | 3 |
| 27 | Induction of ferroptosis by singlet oxygen generated from naphthalene endoperoxide. <i>Biochemical and Biophysical Research Communications</i> , 2019, 518, 519-525. | 2.1 | 18 |
| 28 | Edaravone, a free radical scavenger, protects against ferroptotic cell death in vitro. <i>Experimental Cell Research</i> , 2019, 384, 111592. | 2.6 | 69 |
| 29 | Quantitative analysis of \hat{I}^3 -glutamylpeptides by liquid chromatography-mass spectrometry and application for \hat{I}^3 -glutamyltransferase assays. <i>Analytical Biochemistry</i> , 2019, 578, 13-22. | 2.4 | 10 |
| 30 | An SOD1 deficiency aggravates proteasome inhibitor bortezomib-induced testicular damage in mice. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1108-1115. | 2.4 | 5 |
| 31 | Oxidative Stress and Dysfunction of the Intracellular Proteolytic Machinery. , 2019, , 59-70. | | 2 |
| 32 | Ascorbic acid insufficiency impairs spatial memory formation in juvenile AKR1A-knockout mice. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2019, 65, 209-216. | 1.4 | 9 |
| 33 | Elevated ER stress exacerbates dextran sulfate sodium-induced colitis in PRDX4-knockout mice. <i>Free Radical Biology and Medicine</i> , 2019, 134, 153-164. | 2.9 | 17 |
| 34 | The Association of Peroxiredoxin 4 with the Initiation and Progression of Hepatocellular Carcinoma. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1271-1284. | 5.4 | 22 |
| 35 | Regulation of Ferroptosis Through the Cysteine-Glutathione Redox Axis. , 2019, , 197-213. | | 2 |
| 36 | A heterozygous deficiency in protein phosphatase Ppm1b results in an altered ovulation number in mice. <i>Molecular Medicine Reports</i> , 2019, 19, 5353-5360. | 2.4 | 1 |

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|----|--|-----|-----------|
| 37 | Mutual interaction between oxidative stress and endoplasmic reticulum stress in the pathogenesis of diseases specifically focusing on non-alcoholic fatty liver disease. <i>World Journal of Biological Chemistry</i> , 2018, 9, 1-15. | 4.3 | 57 |
| 38 | Mice deficient in aldo-keto reductase 1a (Akr1a) are resistant to thioacetamide-induced liver injury. <i>Toxicology Letters</i> , 2018, 294, 37-43. | 0.8 | 6 |
| 39 | Cystine/glutamate transporter, system x _c ⁻ , is involved in nitric oxide production in mouse peritoneal macrophages. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 78, 32-40. | 2.7 | 18 |
| 40 | Potential involvement of ubiquitin-proteasome system dysfunction associated with oxidative stress in the pathogenesis of sickle cell disease. <i>British Journal of Haematology</i> , 2018, 182, 559-566. | 2.5 | 14 |
| 41 | Double Knockout of Peroxiredoxin 4 (Prdx4) and Superoxide Dismutase 1 (Sod1) in Mice Results in Severe Liver Failure. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-12. | 4.0 | 12 |
| 42 | Unveiling systemic organ disorders associated with impaired lipid catabolism in fasted SOD1-deficient mice. <i>Archives of Biochemistry and Biophysics</i> , 2018, 654, 163-171. | 3.0 | 5 |
| 43 | Oxidative stress caused by a SOD1 deficiency ameliorates thioacetamide-triggered cell death via CYP2E1 inhibition but stimulates liver steatosis. <i>Archives of Toxicology</i> , 2017, 91, 1319-1333. | 4.2 | 14 |
| 44 | xCT deficiency aggravates acetaminophen-induced hepatotoxicity under inhibition of the transsulfuration pathway. <i>Free Radical Research</i> , 2017, 51, 80-90. | 3.3 | 24 |
| 45 | Mice in the early stage of liver steatosis caused by a high fat diet are resistant to thioacetamide-induced hepatotoxicity and oxidative stress. <i>Toxicology Letters</i> , 2017, 277, 92-103. | 0.8 | 16 |
| 46 | The viability of primary hepatocytes is maintained under a low cysteine-glutathione redox state with a marked elevation in ophthalmic acid production. <i>Experimental Cell Research</i> , 2017, 361, 178-191. | 2.6 | 24 |
| 47 | Decreased reproductive performance in xCT-knockout male mice. <i>Free Radical Research</i> , 2017, 51, 851-860. | 3.3 | 10 |
| 48 | Increased ophthalmic acid production is supported by amino acid catabolism under fasting conditions in mice. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 649-655. | 2.1 | 15 |
| 49 | A high-fat diet temporarily renders Sod1-deficient mice resistant to an oxidative insult. <i>Journal of Nutritional Biochemistry</i> , 2017, 40, 44-52. | 4.2 | 8 |
| 50 | Heightened aggressive behavior in mice deficient in aldo-keto reductase 1a (Akr1a). <i>Behavioural Brain Research</i> , 2017, 319, 219-224. | 2.2 | 8 |
| 51 | Protective role of testis-specific peroxiredoxin 4 against cellular oxidative stress. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2017, 60, 156-161. | 1.4 | 4 |
| 52 | Characteristics of Skeletal Muscle Fibers of SOD1 Knockout Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-8. | 4.0 | 7 |
| 53 | Overexpression of Peroxiredoxin 4 Affects Intestinal Function in a Dietary Mouse Model of Nonalcoholic Fatty Liver Disease. <i>PLoS ONE</i> , 2016, 11, e0152549. | 2.5 | 28 |
| 54 | Trichloroethylene exposure aggravates behavioral abnormalities in mice that are deficient in superoxide dismutase. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 79, 83-90. | 2.7 | 6 |

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|----|---|------|-----------|
| 55 | The SOD1 transgene expressed in erythroid cells alleviates fatal phenotype in congenic NZB/NZW-F1 mice. <i>Free Radical Research</i> , 2016, 50, 793-800. | 3.3 | 6 |
| 56 | Ablation of aldehyde reductase aggravates carbon tetrachloride-induced acute hepatic injury involving oxidative stress and endoplasmic reticulum stress. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 765-771. | 2.1 | 14 |
| 57 | Heat stress promotes the down-regulation of IRE1 α in cells: An atypical modulation of the UPR pathway. <i>Experimental Cell Research</i> , 2016, 349, 128-138. | 2.6 | 26 |
| 58 | Ascorbic acid prevents acetaminophen-induced hepatotoxicity in mice by ameliorating glutathione recovery and autophagy. <i>Archives of Biochemistry and Biophysics</i> , 2016, 604, 36-46. | 3.0 | 28 |
| 59 | Oxidative stress as a potential causal factor for autoimmune hemolytic anemia and systemic lupus erythematosus. <i>World Journal of Nephrology</i> , 2015, 4, 213. | 2.0 | 28 |
| 60 | Prdx4 is a compartment-specific H ₂ O ₂ sensor that regulates neurogenesis by controlling surface expression of GDE2. <i>Nature Communications</i> , 2015, 6, 7006. | 12.8 | 39 |
| 61 | SOD1 deficiency induces the systemic hyperoxidation of peroxiredoxin in the mouse. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 1040-1046. | 2.1 | 13 |
| 62 | SOD1 deficiency decreases proteasomal function, leading to the accumulation of ubiquitinated proteins in erythrocytes. <i>Archives of Biochemistry and Biophysics</i> , 2015, 583, 65-72. | 3.0 | 15 |
| 63 | Physiological and pathological views of peroxiredoxin 4. <i>Free Radical Biology and Medicine</i> , 2015, 83, 373-379. | 2.9 | 45 |
| 64 | Roles of Antioxidative Enzymes in Wound Healing. <i>Journal of Developmental Biology</i> , 2015, 3, 57-70. | 1.7 | 159 |
| 65 | Oxidative stress triggers lipid droplet accumulation in primary cultured hepatocytes by activating fatty acid synthesis. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 229-235. | 2.1 | 68 |
| 66 | Cystathionine Is a Novel Substrate of Cystine/Glutamate Transporter. <i>Journal of Biological Chemistry</i> , 2015, 290, 8778-8788. | 3.4 | 65 |
| 67 | An SOD1 deficiency enhances lipid droplet accumulation in the fasted mouse liver by aborting lipophagy. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 866-871. | 2.1 | 39 |
| 68 | Application of Glutathione as Anti-Oxidative and Anti-Aging Drugs. <i>Current Drug Metabolism</i> , 2015, 16, 560-571. | 1.2 | 107 |
| 69 | Redox reactions in mammalian spermatogenesis and the potential targets of reactive oxygen species under oxidative stress. <i>Spermatogenesis</i> , 2014, 4, e979108. | 0.8 | 34 |
| 70 | Reductive detoxification of acrolein as a potential role for aldehyde reductase (AKR1A) in mammals. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 136-141. | 2.1 | 23 |
| 71 | Oxidative stress and redox regulation of gametogenesis, fertilization, and embryonic development. <i>Reproductive Medicine and Biology</i> , 2014, 13, 71-79. | 2.4 | 23 |
| 72 | Ascorbic acid reverses the prolonged anesthetic action of pentobarbital in Akr1a-knockout mice. <i>Life Sciences</i> , 2014, 95, 1-8. | 4.3 | 10 |

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|----|--|-----|-----------|
| 73 | Antithetical Roles of Reactive Oxygen Species in Mammalian Reproduction. , 2014, , 2705-2721. | | 1 |
| 74 | Reactive oxygen species exacerbate autoimmune hemolytic anemia in New Zealand Black mice. Free Radical Biology and Medicine, 2013, 65, 1378-1384. | 2.9 | 11 |
| 75 | Differential responses of SOD1-deficient mouse embryonic fibroblasts to oxygen concentrations. Archives of Biochemistry and Biophysics, 2013, 537, 5-11. | 3.0 | 18 |
| 76 | Peroxiredoxin 4 Protects Against Nonalcoholic Steatohepatitis and Type 2 Diabetes in a Nongenetic Mouse Model. Antioxidants and Redox Signaling, 2013, 19, 1983-1998. | 5.4 | 82 |
| 77 | In vivo role of aldehyde reductase. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1787-1796. | 2.4 | 34 |
| 78 | A malfunction in triglyceride transfer from the intracellular lipid pool to apoB in enterocytes of SOD1-deficient mice. FEBS Letters, 2012, 586, 4289-4295. | 2.8 | 19 |
| 79 | Enhanced expression of cystine/glutamate transporter in the lung caused by the oxidative-stress-inducing agent paraquat. Free Radical Biology and Medicine, 2012, 53, 2197-2203. | 2.9 | 32 |
| 80 | Impaired Fertilizing Ability of Superoxide Dismutase 1-Deficient Mouse Sperm During In Vitro Fertilization. Biology of Reproduction, 2012, 87, 121. | 2.7 | 47 |
| 81 | Endoplasmic Reticulum Thiol Oxidase Deficiency Leads to Ascorbic Acid Depletion and Noncanonical Scurvy in Mice. Molecular Cell, 2012, 48, 39-51. | 9.7 | 103 |
| 82 | Measurement of peroxiredoxin-4 serum levels in rat tissue and its use as a potential marker for hepatic disease. Molecular Medicine Reports, 2012, 6, 379-384. | 2.4 | 18 |
| 83 | Redox regulation of fertilisation and the spermatogenic process. Asian Journal of Andrology, 2011, 13, 420-423. | 1.6 | 37 |
| 84 | Different consequences of reactions with hydrogen peroxide and t-butyl hydroperoxide in the hyperoxidative inactivation of rat peroxiredoxin-4. Journal of Biochemistry, 2011, 149, 443-453. | 1.7 | 11 |
| 85 | Development of a quantitative bioassay to assess preventive compounds against inflammation-based carcinogenesis. Nitric Oxide - Biology and Chemistry, 2011, 25, 183-194. | 2.7 | 9 |
| 86 | Unveiling the roles of the glutathione redox system <i>in vivo</i> by analyzing genetically modified mice. Journal of Clinical Biochemistry and Nutrition, 2011, 49, 70-78. | 1.4 | 48 |
| 87 | Peroxiredoxin-controlled G-CSF signalling at the endoplasmic reticulum-early endosome interface. Journal of Cell Science, 2011, 124, 3695-3705. | 2.0 | 48 |
| 88 | Identification and Characterization of Alternatively Transcribed Form of Peroxiredoxin IV Gene That Is Specifically Expressed in Spermatids of Postpubertal Mouse Testis. Journal of Biological Chemistry, 2011, 286, 39002-39012. | 3.4 | 24 |
| 89 | Introduction to serial reviews: physiological relevance of antioxidant/redox genes; learning from genetically modified animals. Journal of Clinical Biochemistry and Nutrition, 2011, 49, 69-69. | 1.4 | 1 |
| 90 | Spontaneous skin damage and delayed wound healing in SOD1-deficient mice. Molecular and Cellular Biochemistry, 2010, 341, 181-194. | 3.1 | 48 |

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|-----|---|-----|-----------|
| 91 | Implication of oxidative stress as a cause of autoimmune hemolytic anemia in NZB mice. <i>Free Radical Biology and Medicine</i> , 2010, 48, 935-944. | 2.9 | 42 |
| 92 | Intrinsic oxidative stress causes either 2-cell arrest or cell death depending on developmental stage of the embryos from SOD1-deficient mice. <i>Molecular Human Reproduction</i> , 2010, 16, 441-451. | 2.8 | 38 |
| 93 | Identification of a Lipid Peroxidation Product as the Source of Oxidation-specific Epitopes Recognized by Anti-DNA Autoantibodies*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33834-33842. | 3.4 | 34 |
| 94 | Expression of N-terminally truncated forms of rat peroxiredoxin-4 in insect cells. <i>Protein Expression and Purification</i> , 2010, 72, 1-7. | 1.3 | 12 |
| 95 | B- to Plasma-Cell Terminal Differentiation Entails Oxidative Stress and Profound Reshaping of the Antioxidant Responses. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 1133-1144. | 5.4 | 110 |
| 96 | Aggravation of ischemia-induced reperfusion-triggered acute renal failure in xCT-deficient mice. <i>Archives of Biochemistry and Biophysics</i> , 2009, 490, 63-69. | 3.0 | 20 |
| 97 | Peroxiredoxin 4 knockout results in elevated spermatogenic cell death via oxidative stress. <i>Biochemical Journal</i> , 2009, 419, 149-158. | 3.7 | 175 |
| 98 | Rescue of anaemia and autoimmune responses in SOD1-deficient mice by transgenic expression of human SOD1 in erythrocytes. <i>Biochemical Journal</i> , 2009, 422, 313-320. | 3.7 | 36 |
| 99 | Deficiency of the cystine-transporter gene, xCT, does not exacerbate the deleterious phenotypic consequences of SOD1 knockout in mice. <i>Molecular and Cellular Biochemistry</i> , 2008, 319, 125-132. | 3.1 | 11 |
| 100 | Inactivation of cysteine and serine proteases by singlet oxygen. <i>Archives of Biochemistry and Biophysics</i> , 2007, 461, 151-158. | 3.0 | 25 |
| 101 | Deterioration of ischemia/reperfusion-induced acute renal failure in SOD1-deficient mice. <i>Free Radical Research</i> , 2007, 41, 200-207. | 3.3 | 39 |
| 102 | Elevated oxidative stress in erythrocytes due to a SOD1 deficiency causes anaemia and triggers autoantibody production. <i>Biochemical Journal</i> , 2007, 402, 219-227. | 3.7 | 144 |
| 103 | Molecular Mechanisms of Inflammation-Induced Carcinogenesis. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2006, 39, 103-113. | 1.4 | 9 |
| 104 | Structural Analysis of Amino Acids, Oxidized by Reactive Oxygen Species and an Antibody against N-Formylkynurenine. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2006, 38, 107-111. | 1.4 | 13 |
| 105 | Suppression of the pro-apoptotic function of cytochrome c by singlet oxygen via a haem redox state-independent mechanism. <i>Biochemical Journal</i> , 2005, 392, 399-406. | 3.7 | 68 |
| 106 | An abortive apoptotic pathway induced by singlet oxygen is due to the suppression of caspase activation. <i>Biochemical Journal</i> , 2005, 389, 197-206. | 3.7 | 36 |
| 107 | Accelerated impairment of spermatogenic cells in sod1-knockout mice under heat stress. <i>Free Radical Research</i> , 2005, 39, 697-705. | 3.3 | 116 |
| 108 | Specific inactivation of cysteine protease-type cathepsin by singlet oxygen generated from naphthalene endoperoxides. <i>Biochemical and Biophysical Research Communications</i> , 2005, 331, 215-223. | 2.1 | 43 |

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|-----|---|-----|-----------|
| 109 | Fundamental roles of reactive oxygen species and protective mechanisms in the female reproductive system. <i>Reproductive Biology and Endocrinology</i> , 2005, 3, 43. | 3.3 | 218 |
| 110 | Carbonyl stress and detoxification ability in the male genital tract and testis of rats. <i>Histochemistry and Cell Biology</i> , 2004, 121, 123-130. | 1.7 | 30 |
| 111 | Accumulation of manganese superoxide dismutase under metal-depleted conditions: proposed role for zinc ions in cellular redox balance. <i>Biochemical Journal</i> , 2004, 377, 241-248. | 3.7 | 25 |
| 112 | Colocalization of polyol-metabolizing enzymes and immunological detection of fructated proteins in the female reproductive system of the rat. <i>Histochemistry and Cell Biology</i> , 2003, 119, 309-315. | 1.7 | 14 |
| 113 | Suppression of cytochrome c release and apoptosis in testes with heat stress by minocycline. <i>Biochemical and Biophysical Research Communications</i> , 2003, 312, 843-849. | 2.1 | 65 |
| 114 | Glycation proceeds faster in mutated Cu, Zn-superoxide dismutases related to familial amyotrophic lateral sclerosis. <i>FASEB Journal</i> , 2003, 17, 1-18. | 0.5 | 34 |
| 115 | Concerted Changes in the YB2/RYB-a Protein and Protamine 2 Messenger RNA in the Mouse Testis under Heat Stress1. <i>Biology of Reproduction</i> , 2003, 68, 129-135. | 2.7 | 11 |
| 116 | Cooperative function of antioxidant and redox systems against oxidative stress in male reproductive tissues. <i>Asian Journal of Andrology</i> , 2003, 5, 231-42. | 1.6 | 89 |
| 117 | Differential Expression of Glutathione Reductase and Cytosolic Glutathione Peroxidase, GPX1, in Developing Rat Lungs and Kidneys. <i>Free Radical Research</i> , 2002, 36, 1041-1049. | 3.3 | 26 |
| 118 | Impaired expression of peroxiredoxin 4 in damaged testes by artificial cryptorchidism. <i>Redox Report</i> , 2002, 7, 276-278. | 4.5 | 12 |
| 119 | Advances in our understanding of peroxiredoxin, a multifunctional, mammalian redox protein. <i>Redox Report</i> , 2002, 7, 123-130. | 4.5 | 345 |
| 120 | Apoptosis and expression of apoptosis-related genes in the mouse testis following heat exposure. <i>Fertility and Sterility</i> , 2002, 77, 787-793. | 1.0 | 52 |
| 121 | Localization and physiological implication of polyol-metabolizing enzymes in male and female reproductive systems of rat. <i>International Congress Series</i> , 2002, 1245, 363-364. | 0.2 | 0 |
| 122 | Characterization of Wild-Type and Amyotrophic Lateral Sclerosis-Related Mutant Cu,Zn-Superoxide Dismutases Overproduced in Baculovirus-Infected Insect Cells. <i>Journal of Neurochemistry</i> , 2002, 64, 1456-1461. | 3.9 | 31 |
| 123 | The expression of glutathione reductase in the male reproductive system of rats supports the enzymatic basis of glutathione function in spermatogenesis. <i>FEBS Journal</i> , 2002, 269, 1570-1578. | 0.2 | 65 |
| 124 | Localization and physiological implication of aldose reductase and sorbitol dehydrogenase in reproductive tracts and spermatozoa of male rats. <i>Journal of Andrology</i> , 2002, 23, 674-83. | 2.0 | 29 |
| 125 | Augmented expression of peroxiredoxin VI in rat lung and kidney after birth implies an antioxidative role. <i>FEBS Journal</i> , 2001, 268, 218-225. | 0.2 | 61 |
| 126 | Possible involvement of the membrane-bound form of peroxiredoxin 4 in acrosome formation during spermiogenesis of rats. <i>FEBS Journal</i> , 2001, 268, 3053-3061. | 0.2 | 69 |

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|-----|--|-----|-----------|
| 127 | Alteration of Glutathione Reductase Expression in the Female Reproductive Organs During the Estrous Cycle. <i>Biology of Reproduction</i> , 2001, 65, 1410-1416. | 2.7 | 49 |
| 128 | Peroxiredoxin IV Is a Secretable Protein with Heparin-Binding Properties under Reduced Conditions. <i>Journal of Biochemistry</i> , 2000, 127, 493-501. | 1.7 | 153 |
| 129 | Redox Capacity of Cells Affects Inactivation of Glutathione Reductase by Nitrosative Stress. <i>Archives of Biochemistry and Biophysics</i> , 2000, 378, 123-130. | 3.0 | 32 |
| 130 | A Pivotal Role of Zn-Binding Residues in the Function of the Copper Chaperone for SOD1. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 999-1004. | 2.1 | 20 |
| 131 | Gain in functions of mutant Cu,Zn-superoxide dismutases as a causative factor in familial amyotrophic lateral sclerosis: Less reactive oxidant formation but high spontaneous aggregation and precipitation. <i>Free Radical Research</i> , 2000, 33, 65-73. | 3.3 | 24 |
| 132 | Cloning of the peroxiredoxin gene family in rats and characterization of the fourth member. <i>FEBS Letters</i> , 1999, 443, 246-250. | 2.8 | 123 |
| 133 | Functional expression of rat thioredoxin reductase: selenocysteine insertion sequence element is essential for the active enzyme. <i>Biochemical Journal</i> , 1999, 340, 439-444. | 3.7 | 54 |
| 134 | Physiological Relevance of Aldehyde Reductase and Aldose Reductase Gene Expression. <i>Advances in Experimental Medicine and Biology</i> , 1999, 463, 419-426. | 1.6 | 7 |
| 135 | Specific detections of the early process of the glycation reaction by fructose and glucose in diabetic rat lens. <i>FEBS Letters</i> , 1998, 441, 116-120. | 2.8 | 27 |
| 136 | Immunological detection of fructated proteins in vitro and in vivo. <i>Biochemical Journal</i> , 1998, 336, 101-107. | 3.7 | 19 |
| 137 | The Oxidation of Selenocysteine Is Involved in the Inactivation of Glutathione Peroxidase by Nitric Oxide Donor. <i>Journal of Biological Chemistry</i> , 1997, 272, 19152-19157. | 3.4 | 106 |
| 138 | Induction of Apoptotic Cell Death by Methylglyoxal and 3-Deoxyglucosone in Macrophage-Derived Cell Lines. <i>Biochemical and Biophysical Research Communications</i> , 1996, 225, 219-224. | 2.1 | 175 |
| 139 | Reducing sugars trigger oxidative modification and apoptosis in pancreatic β -cells by provoking oxidative stress through the glycation reaction. <i>Biochemical Journal</i> , 1996, 320, 855-863. | 3.7 | 234 |
| 140 | Glycation and inactivation of sorbitol dehydrogenase in normal and diabetic rats. <i>Biochemical Journal</i> , 1996, 318, 119-123. | 3.7 | 41 |
| 141 | Induction of Aldose Reductase Gene Expression in LEC Rats during the Development of the Hereditary Hepatitis and Hepatoma. <i>Japanese Journal of Cancer Research</i> , 1996, 87, 337-341. | 1.7 | 33 |
| 142 | In vivo glycation of aldehyde reductase, a major 3-deoxyglucosone reducing enzyme: identification of glycation sites. <i>Biochemistry</i> , 1995, 34, 1433-1438. | 2.5 | 73 |
| 143 | Induction of Nitric Oxide Synthase and Concomitant Suppression of Superoxide Dismutases in Experimental Colitis in Rats. <i>Archives of Biochemistry and Biophysics</i> , 1995, 324, 41-47. | 3.0 | 79 |