

Mariapia Vairetti

List of Publications by Year in descending order

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100
papers

2,271
citations

218381

26
h-index

276539

41
g-index

100
all docs

100
docs citations

100
times ranked

2594
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Cytoskeletal alterations in human platelets exposed to oxidative stress are mediated by oxidative and Ca ²⁺ -dependent mechanisms. <i>Archives of Biochemistry and Biophysics</i> , 1989, 270, 478-488. | 1.4 | 145 |
| 2 | Subnormothermic machine perfusion protects steatotic livers against preservation injury: A potential for donor pool increase?. <i>Liver Transplantation</i> , 2009, 15, 20-29. | 1.3 | 101 |
| 3 | Changes in Glutathione Content in Liver Diseases: An Update. <i>Antioxidants</i> , 2021, 10, 364. | 2.2 | 95 |
| 4 | Calcium-dependent DNA fragmentation in human synovial cells exposed to cold shock. <i>FEBS Letters</i> , 1990, 259, 331-334. | 1.3 | 71 |
| 5 | Effects of CGRP receptor antagonism in nitroglycerin-induced hyperalgesia. <i>Cephalalgia</i> , 2014, 34, 594-604. | 1.8 | 64 |
| 6 | Proteotoxicity in cardiac amyloidosis: amyloidogenic light chains affect the levels of intracellular proteins in human heart cells. <i>Scientific Reports</i> , 2017, 7, 15661. | 1.6 | 63 |
| 7 | Autofluorescence properties of isolated rat hepatocytes under different metabolic conditions. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 920. | 1.6 | 62 |
| 8 | Novel mitochondrial protein interactors of immunoglobulin light chains causing heart amyloidosis. <i>FASEB Journal</i> , 2015, 29, 4614-4628. | 0.2 | 60 |
| 9 | Selective blockade of mGlu5 metabotropic glutamate receptors protects rat hepatocytes against hypoxic damage. <i>Hepatology</i> , 2000, 31, 649-655. | 3.6 | 59 |
| 10 | Cold-induced apoptosis in isolated rat hepatocytes: protective role of glutathione. <i>Free Radical Biology and Medicine</i> , 2001, 31, 954-961. | 1.3 | 59 |
| 11 | Insulin Secretion Is Controlled by mGlu5 Metabotropic Glutamate Receptors. <i>Molecular Pharmacology</i> , 2006, 69, 1234-1241. | 1.0 | 54 |
| 12 | Exogenous melatonin enhances bile flow and ATP levels after cold storage and reperfusion in rat liver: implications for liver transplantation. <i>Journal of Pineal Research</i> , 2005, 38, 223-230. | 3.4 | 52 |
| 13 | Intranuclear distribution, function and fate of glutathione and glutathione-S-conjugate in living rat hepatocytes studied by fluorescence microscopy. , 1997, 36, 243-252. | | 49 |
| 14 | Autofluorescence-based optical biopsy: An effective diagnostic tool in hepatology. <i>Liver International</i> , 2018, 38, 1160-1174. | 1.9 | 45 |
| 15 | Oxidative stress and pro-apoptotic conditions in a rodent model of Wilson's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1741, 325-330. | 1.8 | 42 |
| 16 | Machine perfusion at 20°C reduces preservation damage to livers from non-heart beating donors. <i>Cryobiology</i> , 2011, 62, 152-158. | 0.3 | 42 |
| 17 | Subnormothermic Machine Perfusion for Non-Heart-Beating Donor Liver Grafts Preservation in a Swine Model: A New Strategy to Increase the Donor Pool?. <i>Transplantation Proceedings</i> , 2012, 44, 2026-2028. | 0.3 | 42 |
| 18 | Nonalcoholic Fatty Liver Disease and Non-Alcoholic Steatohepatitis: Current Issues and Future Perspectives in Preclinical and Clinical Research. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9646. | 1.8 | 40 |

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|----|--|-----|-----------|
| 19 | Correlation between the liver temperature employed during machine perfusion and reperfusion damage: Role of Ca ²⁺ . Liver Transplantation, 2008, 14, 494-503. | 1.3 | 38 |
| 20 | Apoptosis vs. necrosis: glutathione-mediated cell death during rewarming of rat hepatocytes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2005, 1740, 367-374. | 1.8 | 33 |
| 21 | Subnormothermic Machine Perfusion Protects Against Rat Liver Preservation Injury: A Comparative Evaluation With Conventional Cold Storage. Transplantation Proceedings, 2007, 39, 1765-1767. | 0.3 | 32 |
| 22 | Evaluation of ADMA-DDAH-NOS axis in specific brain areas following nitroglycerin administration: study in an animal model of migraine. Journal of Headache and Pain, 2015, 16, 560. | 2.5 | 31 |
| 23 | Selective blockade of mGlu5 metabotropic glutamate receptors is protective against acetaminophen hepatotoxicity in mice. Journal of Hepatology, 2003, 38, 179-187. | 1.8 | 29 |
| 24 | Decreased apoptosis in fatty livers submitted to subnormothermic machine-perfusion respect to cold storage. European Journal of Histochemistry, 2011, 55, e40. | 0.6 | 28 |
| 25 | Troubleshooting and improving the mouse and rat isolated perfused liver preparation. Journal of Pharmacological and Toxicological Methods, 2013, 67, 107-114. | 0.3 | 28 |
| 26 | Lobe-Specific Heterogeneity and Matrix Metalloproteinase Activation after Ischemia/Reperfusion Injury in Rat Livers. Toxicologic Pathology, 2012, 40, 722-730. | 0.9 | 27 |
| 27 | Bilirubin: an autofluorescence bile biomarker for liver functionality monitoring. Journal of Biophotonics, 2014, 7, 810-817. | 1.1 | 26 |
| 28 | Liver plays a central role in asymmetric dimethylarginine-mediated organ injury. World Journal of Gastroenterology, 2015, 21, 5131. | 1.4 | 26 |
| 29 | Autofluorescence spectroscopy of rat liver during experimental transplantation procedure. An approach for hepatic metabolism assessment. Photochemical and Photobiological Sciences, 2005, 4, 583. | 1.6 | 25 |
| 30 | In Situ Evaluation of Oxidative Stress in Rat Fatty Liver Induced by a Methionine- and Choline-Deficient Diet. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-14. | 1.9 | 25 |
| 31 | Glibenclamide Stimulates Fluid Secretion in Rodent Cholangiocytes Through a Cystic Fibrosis Transmembrane Conductance Regulator-Independent Mechanism. Gastroenterology, 2005, 129, 220-233. | 0.6 | 24 |
| 32 | Matrix Metalloprotease Activity Is Enhanced in the Compensated but Not in the Decompensated Phase of Pressure Overload Hypertrophy. American Journal of Hypertension, 2007, 20, 663-669. | 1.0 | 24 |
| 33 | Impaired hepatic function and central dopaminergic denervation in a rodent model of Parkinson's disease: A self-perpetuating crosstalk?. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 176-184. | 1.8 | 24 |
| 34 | Role of matrix metalloproteinases in cholestasis and hepatic ischemia/reperfusion injury: A review. World Journal of Gastroenterology, 2015, 21, 12114. | 1.4 | 24 |
| 35 | Selective blockade of mGlu5 metabotropic glutamate receptors is protective against hepatic mitochondrial dysfunction in 6-OHDA lesioned Parkinsonian rats. Clinical and Experimental Pharmacology and Physiology, 2015, 42, 695-703. | 0.9 | 23 |
| 36 | Circulating Antibodies Recognizing Oxidatively Modified Low-Density Lipoprotein in Children. Pediatric Research, 1999, 45, 94-99. | 1.1 | 23 |

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|----|--|-----|-----------|
| 37 | Different susceptibility of liver grafts from lean and obese Zucker rats to preservation injury. <i>Cryobiology</i> , 2009, 59, 327-334. | 0.3 | 22 |
| 38 | Role of pH in protection by low sodium against hypoxic injury in isolated perfused rat livers. <i>Journal of Hepatology</i> , 2006, 44, 894-901. | 1.8 | 21 |
| 39 | Localization and role of metabotropic glutamate receptors subtype 5 in the gastrointestinal tract. <i>World Journal of Gastroenterology</i> , 2017, 23, 4500. | 1.4 | 21 |
| 40 | In situ demonstration of improvement of liver mitochondria function by melatonin after cold ischemia. <i>In Vivo</i> , 2006, 20, 229-37. | 0.6 | 21 |
| 41 | Haloperidol-induced changes in glutathione and energy metabolism: effect of nicergoline.. <i>European Journal of Pharmacology</i> , 1999, 367, 67-72. | 1.7 | 19 |
| 42 | Mouse hepatocytes lacking mGlu5 metabotropic glutamate receptors are less sensitive to hypoxic damage. <i>European Journal of Pharmacology</i> , 2004, 497, 25-27. | 1.7 | 19 |
| 43 | Autofluorescence properties of rat liver under hypermetabolic conditions. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 1202-1209. | 1.6 | 19 |
| 44 | Integrated Autofluorescence Characterization of a Modified-Diet Liver Model with Accumulation of Lipids and Oxidative Stress. <i>BioMed Research International</i> , 2014, 2014, 1-13. | 0.9 | 18 |
| 45 | Autofluorescence of liver tissue and bile: Organ functionality monitoring during ischemia and reoxygenation. <i>Lasers in Surgery and Medicine</i> , 2014, 46, 412-421. | 1.1 | 18 |
| 46 | Liver autofluorescence properties in animal model under altered nutritional conditions. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 1046. | 1.6 | 17 |
| 47 | Effects of a Bioavailable Arabinoxylan-enriched White Bread Flour on Postprandial Glucose Response in Normoglycemic Subjects. <i>Journal of Dietary Supplements</i> , 2016, 13, 626-633. | 1.4 | 17 |
| 48 | Fatty liver oxidative events monitored by autofluorescence optical diagnosis: Comparison between subnormothermic machine perfusion and conventional cold storage preservation. <i>Hepatology Research</i> , 2017, 47, 668-682. | 1.8 | 17 |
| 49 | Fatty Acid Desaturase Involvement in Non-Alcoholic Fatty Liver Disease Rat Models: Oxidative Stress Versus Metalloproteinases. <i>Nutrients</i> , 2019, 11, 799. | 1.7 | 17 |
| 50 | Animal Models of Steatosis (NAFLD) and Steatohepatitis (NASH) Exhibit Hepatic Lobe-Specific Gelatinases Activity and Oxidative Stress. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2019, 2019, 1-9. | 0.8 | 17 |
| 51 | Lobe-Specific Heterogeneity in Asymmetric Dimethylarginine and Matrix Metalloproteinase Levels in a Rat Model of Obstructive Cholestasis. <i>BioMed Research International</i> , 2014, 2014, 1-8. | 0.9 | 16 |
| 52 | Comparison between Lipofectamine RNAiMAX and GenMute transfection agents in two cellular models of human hepatoma. <i>European Journal of Histochemistry</i> , 2019, 63, . | 0.6 | 16 |
| 53 | Selective Blockade of the Metabotropic Glutamate Receptor mGluR5 Protects Mouse Livers in In Vitro and Ex Vivo Models of Ischemia Reperfusion Injury. <i>International Journal of Molecular Sciences</i> , 2018, 19, 314. | 1.8 | 15 |
| 54 | The Effects of Thyroid Hormone Modulation on Rat Liver Injury Associated with Ischemia-Reperfusion and Cold Storage. <i>Anesthesia and Analgesia</i> , 1998, 86, 1187-1193. | 1.1 | 14 |

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|----|--|-----|-----------|
| 55 | Beta-alanine protection against hypoxic liver injury in the rat. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2002, 1587, 83-91. | 1.8 | 14 |
| 56 | In situ detection of reactive oxygen species and nitric oxide production in normal and pathological tissues: improvement by differential interference contrast. <i>Experimental Gerontology</i> , 2002, 37, 591-602. | 1.2 | 13 |
| 57 | Liver Damage During Ischemia/Reperfusion and Glutathione: Implications for Potential Organ Donors. <i>Transplantation Proceedings</i> , 2007, 39, 1768-1770. | 0.3 | 13 |
| 58 | Changes in ADMA/DDAH Pathway after Hepatic Ischemia/Reperfusion Injury in Rats: The Role of Bile. <i>BioMed Research International</i> , 2014, 2014, 1-11. | 0.9 | 13 |
| 59 | Metabolic shift in liver: Correlation between perfusion temperature and hypoxia inducible factor-1 α . <i>World Journal of Gastroenterology</i> , 2015, 21, 1108. | 1.4 | 13 |
| 60 | Autofluorescence discrimination of metabolic fingerprint in nutritional and genetic fatty liver models. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 164, 13-20. | 1.7 | 13 |
| 61 | Liver Graft Susceptibility during Static Cold Storage and Dynamic Machine Perfusion: DCD versus Fatty Livers. <i>International Journal of Molecular Sciences</i> , 2018, 19, 109. | 1.8 | 13 |
| 62 | Lung Matrix Metalloproteinase Activation following Partial Hepatic Ischemia/Reperfusion Injury in Rats. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10. | 0.8 | 11 |
| 63 | Fluorescing fatty acids in rat fatty liver models. <i>Journal of Biophotonics</i> , 2017, 10, 905-910. | 1.1 | 11 |
| 64 | The farnesoid X receptor agonist obeticholic acid upregulates biliary excretion of asymmetric dimethylarginine via MATE-1 during hepatic ischemia/reperfusion injury. <i>PLoS ONE</i> , 2018, 13, e0191430. | 1.1 | 11 |
| 65 | Machine Perfusion at 20 ^\circ C Prevents Ischemic Injury and Reduces Hypoxia-Inducible Factor-1 α Expression During Rat Liver Preservation. <i>Annals of Transplantation</i> , 2017, 22, 581-589. | 0.5 | 10 |
| 66 | The effect of heparin on Cu ²⁺ -mediated oxidation of human low-density lipoproteins. <i>FEBS Letters</i> , 1995, 377, 240-242. | 1.3 | 9 |
| 67 | Dexamethasone protects cultured rat hepatocytes against cadmium toxicity: involvement of cellular thiols. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2010, 46, 445-449. | 0.7 | 9 |
| 68 | Dipeptidylpeptidase-IV activity and expression reveal decreased damage to the intrahepatic biliary tree in fatty livers submitted to subnormothermic machine-perfusion respect to conventional cold storage. <i>European Journal of Histochemistry</i> , 2014, 58, 2414. | 0.6 | 9 |
| 69 | MCD diet-induced steatohepatitis is associated with alterations in asymmetric dimethylarginine (ADMA) and its transporters. <i>Molecular and Cellular Biochemistry</i> , 2016, 419, 147-155. | 1.4 | 9 |
| 70 | Oxygen tension-independent protection against hypoxic cell killing in rat liver by low sodium. <i>European Journal of Histochemistry</i> , 2017, 61, 2798. | 0.6 | 9 |
| 71 | The selective blockade of metabotropic glutamate receptor-5 attenuates fat accumulation in an <i>in vitro</i> model of benign steatosis. <i>European Journal of Histochemistry</i> , 2020, 64, . | 0.6 | 9 |
| 72 | Obeticholic acid reduces biliary and hepatic matrix metalloproteinases activity in rat hepatic ischemia/reperfusion injury. <i>PLoS ONE</i> , 2020, 15, e0238543. | 1.1 | 9 |

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|----|---|-----|-----------|
| 73 | Transient Expression of Reck Under Hepatic Ischemia/Reperfusion Conditions Is Associated with Mapk Signaling Pathways. <i>Biomolecules</i> , 2020, 10, 747. | 1.8 | 9 |
| 74 | Detailed Molecular Mechanisms Involved in Drug-Induced Non-Alcoholic Fatty Liver Disease and Non-Alcoholic Steatohepatitis: An Update. <i>Biomedicines</i> , 2022, 10, 194. | 1.4 | 9 |
| 75 | Mechanistic aspects of the relationship between low-level chemiluminescence and lipid peroxides in oxidation of low-density lipoprotein. <i>FEBS Letters</i> , 1999, 459, 47-50. | 1.3 | 8 |
| 76 | Nicergoline reverts haloperidol-induced loss of detoxifying-enzyme activity. <i>European Journal of Pharmacology</i> , 2004, 505, 121-125. | 1.7 | 8 |
| 77 | Altered alkaline phosphatase activity in obese Zucker rats liver respect to lean Zucker and Wistar rats discussed in terms of all putative roles ascribed to the enzyme. <i>European Journal of Histochemistry</i> , 2011, 55, 5. | 0.6 | 8 |
| 78 | MCD Diet Rat Model Induces Alterations in Zinc and Iron during NAFLD Progression from Steatosis to Steatohepatitis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6817. | 1.8 | 8 |
| 79 | Spectrofluorometric Analysis of Autofluorescing Components of Crude Serum from a Rat Liver Model of Ischemia and Reperfusion. <i>Molecules</i> , 2020, 25, 1327. | 1.7 | 7 |
| 80 | Antioxidant properties of MDL and MMDL, two nicergoline metabolites, during chronic administration of haloperidol. <i>European Journal of Pharmacology</i> , 2002, 453, 69-73. | 1.7 | 6 |
| 81 | Changes in Biliary Levels of Arginine and its Methylated Derivatives after Hepatic Ischaemia/Reperfusion. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016, 119, 101-109. | 1.2 | 6 |
| 82 | Associations between serum trace elements and inflammation in two animal models of nonalcoholic fatty liver disease. <i>PLoS ONE</i> , 2020, 15, e0243179. | 1.1 | 6 |
| 83 | The Effects of Thyroid Hormone Modulation on Rat Liver Injury Associated with Ischemia-Reperfusion and Cold Storage. <i>Anesthesia and Analgesia</i> , 1998, 86, 1187-1193. | 1.1 | 5 |
| 84 | Efficacy of combined liman peloid baths and heliotherapy in the treatment of psoriasis at Cervia spa, Emilia, Italy. <i>International Journal of Biometeorology</i> , 2020, 64, 1145-1152. | 1.3 | 5 |
| 85 | Thyroxine pretreatment and halothane administration alter Ca ²⁺ transport and transmembrane potential in rat liver mitochondria. <i>Archives of Toxicology</i> , 1994, 68, 103-109. | 1.9 | 4 |
| 86 | Endogenous and exogenous antioxidants and the generation of antigenic epitopes in oxidatively modified LDL. <i>BioFactors</i> , 1997, 6, 91-98. | 2.6 | 4 |
| 87 | <sc>NAD</sc>(P)H and Flavin Autofluorescence Correlation with <sc>ATP</sc> in Rat Livers with Different Metabolic Steady-State Conditions. <i>Photochemistry and Photobiology</i> , 2017, 93, 1519-1524. | 1.3 | 4 |
| 88 | Serum and Hepatic Autofluorescence as a Real-Time Diagnostic Tool for Early Cholestasis Assessment. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2634. | 1.8 | 4 |
| 89 | Fluorescence excitation properties of bilirubin in solution and in serum. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 215, 112121. | 1.7 | 4 |
| 90 | Metabotropic Glutamate Receptor Blockade Reduces Preservation Damage in Livers from Donors after Cardiac Death. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2234. | 1.8 | 3 |

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|-----|--|-----|-----------|
| 91 | Long-term cold storage preservation does not affect fatty livers from rats fed with a methionine and choline deficient diet. <i>Lipids in Health and Disease</i> , 2021, 20, 78. | 1.2 | 2 |
| 92 | Representing Subnormothermic Machine Perfusion in Fatty Livers: The Complete Picture?. <i>American Journal of Transplantation</i> , 2017, 17, 1421-1422. | 2.6 | 1 |
| 93 | Further studies on long-term preservation of rat liver: Celsior versus UW solution. <i>In Vivo</i> , 2008, 22, 681-6. | 0.6 | 1 |
| 94 | Obeticholic Acid Reduces Kidney Matrix Metalloproteinase Activation Following Partial Hepatic Ischemia/Reperfusion Injury in Rats. <i>Pharmaceuticals</i> , 2022, 15, 524. | 1.7 | 1 |
| 95 | Innovative Molecular Target and Therapeutic Approaches in Nonalcoholic Fatty Liver Disease/Nonalcoholic Steatohepatitis (NAFLD/NASH) 2.0. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7894. | 1.8 | 1 |
| 96 | Thyroid hormone therapy in organ donors. <i>Cmaj</i> , 2007, 176, 1737-1737. | 0.9 | 0 |
| 97 | Innovative Pharmacological/Therapeutic Approaches against Hepatic Ischemia/Reperfusion Injury. <i>BioMed Research International</i> , 2015, 2015, 1-2. | 0.9 | 0 |
| 98 | Isolation of rat hepatocytes for pharmacological studies on metabotropic glutamate receptor (mGluR) subtype 5: a comparison between collagenase I versus collagenase IV. <i>European Journal of Histochemistry</i> , 2020, 64, . | 0.6 | 0 |
| 99 | Molecular Targets in Liver Disease. , 2020, , 587-598. | | 0 |
| 100 | Analysis of Massaciuccoli Peat after Maturation in Sodium Chloride Water of Undulna Thermae. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2169. | 1.2 | 0 |