

Mariapia Vairetti

List of Publications by Year in descending order

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100
papers

2,271
citations

218677

26
h-index

276875

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.	3.0	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.	2.4	101
3	Changes in Glutathione Content in Liver Diseases: An Update. <i>Antioxidants</i> , 2021, 10, 364.	5.1	95
4	Calcium-dependent DNA fragmentation in human synovial cells exposed to cold shock. <i>FEBS Letters</i> , 1990, 259, 331-334.	2.8	71
5	Effects of CGRP receptor antagonism in nitroglycerin-induced hyperalgesia. <i>Cephalalgia</i> , 2014, 34, 594-604.	3.9	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.	3.3	63
7	Autofluorescence properties of isolated rat hepatocytes under different metabolic conditions. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 920.	2.9	62
8	Novel mitochondrial protein interactors of immunoglobulin light chains causing heart amyloidosis. <i>FASEB Journal</i> , 2015, 29, 4614-4628.	0.5	60
9	Selective blockade of mGlu5 metabotropic glutamate receptors protects rat hepatocytes against hypoxic damage. <i>Hepatology</i> , 2000, 31, 649-655.	7.3	59
10	Cold-induced apoptosis in isolated rat hepatocytes: protective role of glutathione. <i>Free Radical Biology and Medicine</i> , 2001, 31, 954-961.	2.9	59
11	Insulin Secretion Is Controlled by mGlu5 Metabotropic Glutamate Receptors. <i>Molecular Pharmacology</i> , 2006, 69, 1234-1241.	2.3	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.	7.4	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.	3.9	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.	3.8	42
16	Machine perfusion at 20Â°C reduces preservation damage to livers from non-heart beating donors. <i>Cryobiology</i> , 2011, 62, 152-158.	0.7	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.	0.6	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.	4.1	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.	2.4	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.	3.8	33
21	Subnormothermic Machine Perfusion Protects Against Rat Liver Preservation Injury: A Comparative Evaluation With Conventional Cold Storage. Transplantation Proceedings, 2007, 39, 1765-1767.	0.6	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.	6.0	31
23	Selective blockade of mGlu5 metabotropic glutamate receptors is protective against acetaminophen hepatotoxicity in mice. Journal of Hepatology, 2003, 38, 179-187.	3.7	29
24	Decreased apoptosis in fatty livers submitted to subnormothermic machine-perfusion respect to cold storage. European Journal of Histochemistry, 2011, 55, e40.	1.5	28
25	Troubleshooting and improving the mouse and rat isolated perfused liver preparation. Journal of Pharmacological and Toxicological Methods, 2013, 67, 107-114.	0.7	28
26	Lobe-Specific Heterogeneity and Matrix Metalloproteinase Activation after Ischemia/Reperfusion Injury in Rat Livers. Toxicologic Pathology, 2012, 40, 722-730.	1.8	27
27	Bilirubin: an autofluorescence bile biomarker for liver functionality monitoring. Journal of Biophotonics, 2014, 7, 810-817.	2.3	26
28	Liver plays a central role in asymmetric dimethylarginine-mediated organ injury. World Journal of Gastroenterology, 2015, 21, 5131.	3.3	26
29	Autofluorescence spectroscopy of rat liver during experimental transplantation procedure. An approach for hepatic metabolism assessment. Photochemical and Photobiological Sciences, 2005, 4, 583.	2.9	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.	4.0	25
31	Glibenclamide Stimulates Fluid Secretion in Rodent Cholangiocytes Through a Cystic Fibrosis Transmembrane Conductance Regulator-Independent Mechanism. Gastroenterology, 2005, 129, 220-233.	1.3	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.	2.0	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.	3.8	24
34	Role of matrix metalloproteinases in cholestasis and hepatic ischemia/reperfusion injury: A review. World Journal of Gastroenterology, 2015, 21, 12114.	3.3	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.	1.9	23
36	Circulating Antibodies Recognizing Oxidatively Modified Low-Density Lipoprotein in Children. Pediatric Research, 1999, 45, 94-99.	2.3	23

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37	Different susceptibility of liver grafts from lean and obese Zucker rats to preservation injury. Cryobiology, 2009, 59, 327-334.	0.7	22
38	Role of pH in protection by low sodium against hypoxic injury in isolated perfused rat livers. Journal of Hepatology, 2006, 44, 894-901.	3.7	21
39	Localization and role of metabotropic glutamate receptors subtype 5 in the gastrointestinal tract. World Journal of Gastroenterology, 2017, 23, 4500.	3.3	21
40	In situ demonstration of improvement of liver mitochondria function by melatonin after cold ischemia. In Vivo, 2006, 20, 229-37.	1.3	21
41	Haloperidol-induced changes in glutathione and energy metabolism: effect of nicergoline.. European Journal of Pharmacology, 1999, 367, 67-72.	3.5	19
42	Mouse hepatocytes lacking mGlu5 metabotropic glutamate receptors are less sensitive to hypoxic damage. European Journal of Pharmacology, 2004, 497, 25-27.	3.5	19
43	Autofluorescence properties of rat liver under hypermetabolic conditions. Photochemical and Photobiological Sciences, 2007, 6, 1202-1209.	2.9	19
44	Integrated Autofluorescence Characterization of a Modified-Diet Liver Model with Accumulation of Lipids and Oxidative Stress. BioMed Research International, 2014, 2014, 1-13.	1.9	18
45	Autofluorescence of liver tissue and bile: Organ functionality monitoring during ischemia and reoxygenation. Lasers in Surgery and Medicine, 2014, 46, 412-421.	2.1	18
46	Liver autofluorescence properties in animal model under altered nutritional conditions. Photochemical and Photobiological Sciences, 2008, 7, 1046.	2.9	17
47	Effects of a Bioavailable Arabinoxylan-enriched White Bread Flour on Postprandial Glucose Response in Normoglycemic Subjects. Journal of Dietary Supplements, 2016, 13, 626-633.	2.6	17
48	Fatty liver oxidative events monitored by autofluorescence optical diagnosis: Comparison between subnormothermic machine perfusion and conventional cold storage preservation. Hepatology Research, 2017, 47, 668-682.	3.4	17
49	Fatty Acid Desaturase Involvement in Non-Alcoholic Fatty Liver Disease Rat Models: Oxidative Stress Versus Metalloproteinases. Nutrients, 2019, 11, 799.	4.1	17
50	Animal Models of Steatosis (NAFLD) and Steatohepatitis (NASH) Exhibit Hepatic Lobe-Specific Gelatinases Activity and Oxidative Stress. Canadian Journal of Gastroenterology and Hepatology, 2019, 2019, 1-9.	1.9	17
51	Lobe-Specific Heterogeneity in Asymmetric Dimethylarginine and Matrix Metalloproteinase Levels in a Rat Model of Obstructive Cholestasis. BioMed Research International, 2014, 2014, 1-8.	1.9	16
52	Comparison between Lipofectamine RNAiMAX and GenMute transfection agents in two cellular models of human hepatoma. European Journal of Histochemistry, 2019, 63, .	1.5	16
53	Selective Blockade of the Metabotropic Glutamate Receptor mGluR5 Protects Mouse Livers in In Vitro and Ex Vivo Models of Ischemia Reperfusion Injury. International Journal of Molecular Sciences, 2018, 19, 314.	4.1	15
54	The Effects of Thyroid Hormone Modulation on Rat Liver Injury Associated with Ischemia-Reperfusion and Cold Storage. Anesthesia and Analgesia, 1998, 86, 1187-1193.	2.2	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.	3.8	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.	2.8	13
57	Liver Damage During Ischemia/Reperfusion and Glutathione: Implications for Potential Organ Donors. <i>Transplantation Proceedings</i> , 2007, 39, 1768-1770.	0.6	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.	1.9	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.	3.3	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.	3.8	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.	4.1	13
62	Lung Matrix Metalloproteinase Activation following Partial Hepatic Ischemia/Reperfusion Injury in Rats. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	2.1	11
63	Fluorescing fatty acids in rat fatty liver models. <i>Journal of Biophotonics</i> , 2017, 10, 905-910.	2.3	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.	2.5	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.	0.9	10
66	The effect of heparin on Cu ²⁺ -mediated oxidation of human low-density lipoproteins. <i>FEBS Letters</i> , 1995, 377, 240-242.	2.8	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.	1.5	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.	1.5	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.	3.1	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.	1.5	9
71	The selective blockade of metabotropic glutamate receptor-5 attenuates fat accumulation in an in vitro model of benign steatosis. <i>European Journal of Histochemistry</i> , 2020, 64, .	1.5	9
72	Obeticholic acid reduces biliary and hepatic matrix metalloproteinases activity in rat hepatic ischemia/reperfusion injury. <i>PLoS ONE</i> , 2020, 15, e0238543.	2.5	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.	4.0	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.	3.2	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.	2.8	8
76	Nicergoline reverts haloperidol-induced loss of detoxifying-enzyme activity. <i>European Journal of Pharmacology</i> , 2004, 505, 121-125.	3.5	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.	1.5	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.	4.1	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.	3.8	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.	3.5	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.	2.5	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.	2.5	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.	2.2	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.	3.0	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.	4.2	4
86	Endogenous and exogenous antioxidants and the generation of antigenic epitopes in oxidatively modified LDL. <i>BioFactors</i> , 1997, 6, 91-98.	5.4	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.	2.5	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.	4.1	4
89	Fluorescence excitation properties of bilirubin in solution and in serum. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 215, 112121.	3.8	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.	4.1	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.	3.0	2
92	Representing Subnormothermic Machine Perfusion in Fatty Livers: The Complete Picture?. <i>American Journal of Transplantation</i> , 2017, 17, 1421-1422.	4.7	1
93	Further studies on long-term preservation of rat liver: Celsior versus UW solution. <i>In Vivo</i> , 2008, 22, 681-6.	1.3	1
94	Obeticholic Acid Reduces Kidney Matrix Metalloproteinase Activation Following Partial Hepatic Ischemia/Reperfusion Injury in Rats. <i>Pharmaceutics</i> , 2022, 15, 524.	3.8	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.	4.1	1
96	Thyroid hormone therapy in organ donors. <i>Cmaj</i> , 2007, 176, 1737-1737.	2.0	0
97	Innovative Pharmacological/Therapeutic Approaches against Hepatic Ischemia/Reperfusion Injury. <i>BioMed Research International</i> , 2015, 2015, 1-2.	1.9	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, .	1.5	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.	2.6	0