

Raffaella Mastrocola

List of Publications by Year in descending order

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42
papers

2,447
citations

201385

27
h-index

253896

43
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44
all docs

44
docs citations

44
times ranked

4046
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of the oxidative stress and inflammatory response by PPAR- \hat{I}^3 agonists in the hippocampus of rats exposed to cerebral ischemia/reperfusion. <i>European Journal of Pharmacology</i> , 2006, 530, 70-80.	1.7	274
2	Oxidative and nitrosative stress in brain mitochondria of diabetic rats. <i>Journal of Endocrinology</i> , 2005, 187, 37-44.	1.2	228
3	Dietary Sugars and Endogenous Formation of Advanced Glycation Endproducts: Emerging Mechanisms of Disease. <i>Nutrients</i> , 2017, 9, 385.	1.7	153
4	Oxidative Stress Impairs Skeletal Muscle Repair in Diabetic Rats. <i>Diabetes</i> , 2004, 53, 1082-1088.	0.3	151
5	Cannabinoid Receptor 1 Blockade Ameliorates Albuminuria in Experimental Diabetic Nephropathy. <i>Diabetes</i> , 2010, 59, 1046-1054.	0.3	130
6	Oxidative Stress-Dependent Impairment of Cardiac-Specific Transcription Factors in Experimental Diabetes. <i>Endocrinology</i> , 2006, 147, 5967-5974.	1.4	109
7	Pharmacological Inhibition of NLRP3 Inflammasome Attenuates Myocardial Ischemia/Reperfusion Injury by Activation of RISK and Mitochondrial Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.	1.9	97
8	Muscle wasting in diabetic and in tumor-bearing rats: Role of oxidative stress. <i>Free Radical Biology and Medicine</i> , 2008, 44, 584-593.	1.3	94
9	Dehydroepiandrosterone Modulates Nuclear Factor- \hat{I}^B Activation in Hippocampus of Diabetic Rats. <i>Endocrinology</i> , 2002, 143, 3250-3258.	1.4	72
10	Effects of vitamin D on insulin resistance and myosteatorsis in diet-induced obese mice. <i>PLoS ONE</i> , 2018, 13, e0189707.	1.1	69
11	Empagliflozin Protects against Diet-Induced NLRP-3 Inflammasome Activation and Lipid Accumulation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 359, 45-53.	1.3	60
12	Up-Regulation of Advanced Glycated Products Receptors in the Brain of Diabetic Rats Is Prevented by Antioxidant Treatment. <i>Endocrinology</i> , 2005, 146, 5561-5567.	1.4	57
13	MicroRNA and Microvascular Complications of Diabetes. <i>International Journal of Endocrinology</i> , 2018, 2018, 1-20.	0.6	55
14	Fructose liquid and solid formulations differently affect gut integrity, microbiota composition and related liver toxicity: a comparative in vivo study. <i>Journal of Nutritional Biochemistry</i> , 2018, 55, 185-199.	1.9	53
15	Fructose-derived advanced glycation end-products drive lipogenesis and skeletal muscle reprogramming via SREBP-1c dysregulation in mice. <i>Free Radical Biology and Medicine</i> , 2016, 91, 224-235.	1.3	52
16	Accumulation of Advanced Glycation End-Products and Activation of the SCAP/SREBP Lipogenetic Pathway Occur in Diet-Induced Obese Mouse Skeletal Muscle. <i>PLoS ONE</i> , 2015, 10, e0119587.	1.1	52
17	Heat Shock Proteins in Vascular Diabetic Complications: Review and Future Perspective. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2709.	1.8	50
18	Advanced glycation end products promote hepatosteatosis by interfering with SCAP-SREBP pathway in fructose-drinking mice. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G398-G407.	1.6	49

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19	High-fructose intake as risk factor for neurodegeneration: Key role for carboxy methyllysine accumulation in mice hippocampal neurons. <i>Neurobiology of Disease</i> , 2016, 89, 65-75.	2.1	49
20	Obestatin induced recovery of myocardial dysfunction in type 1 diabetic rats: underlying mechanisms. <i>Cardiovascular Diabetology</i> , 2012, 11, 129.	2.7	48
21	Reversal of the deleterious effects of chronic dietary HFCS-55 intake by PPAR- γ agonism correlates with impaired NLRP3 inflammasome activation. <i>Biochemical Pharmacology</i> , 2013, 85, 257-264.	2.0	47
22	Targeting the NLRP3 inflammasome to Reduce Diet-induced Metabolic Abnormalities in Mice. <i>Molecular Medicine</i> , 2015, 21, 1025-1037.	1.9	47
23	Maladaptive Modulations of NLRP3 Inflammasome and Cardioprotective Pathways Are Involved in Diet-Induced Exacerbation of Myocardial Ischemia/Reperfusion Injury in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	42
24	Effects of Exogenous Dietary Advanced Glycation End Products on the Cross-Talk Mechanisms Linking Microbiota to Metabolic Inflammation. <i>Nutrients</i> , 2020, 12, 2497.	1.7	40
25	Pro-oxidant effect of dehydroepiandrosterone in rats is mediated by PPAR activation. <i>Life Sciences</i> , 2003, 73, 289-299.	2.0	39
26	Chronic administration of saturated fats and fructose differently affect SREBP activity resulting in different modulation of Nrf2 and Nlrp3 inflammasome pathways in mice liver. <i>Journal of Nutritional Biochemistry</i> , 2017, 42, 160-171.	1.9	38
27	High Sugar Intake and Development of Skeletal Muscle Insulin Resistance and Inflammation in Mice: A Protective Role for PPAR- α Agonism. <i>Mediators of Inflammation</i> , 2013, 2013, 1-12.	1.4	37
28	KRIT1 Deficiency Promotes Aortic Endothelial Dysfunction. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4930.	1.8	24
29	Effects of chronic sugar consumption on lipid accumulation and autophagy in the skeletal muscle. <i>European Journal of Nutrition</i> , 2017, 56, 363-373.	4.6	23
30	Baricitinib counteracts metaflammation, thus protecting against diet-induced metabolic abnormalities in mice. <i>Molecular Metabolism</i> , 2020, 39, 101009.	3.0	23
31	Reversal of albuminuria by combined AM6545 and perindopril therapy in experimental diabetic nephropathy. <i>British Journal of Pharmacology</i> , 2018, 175, 4371-4385.	2.7	22
32	Variability in Myosteatorsis and Insulin Resistance Induced by High-Fat Diet in Mouse Skeletal Muscles. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	21
33	Dysregulation of SREBP2 induces BACE1 expression. <i>Neurobiology of Disease</i> , 2011, 44, 116-124.	2.1	19
34	AGEs and neurodegeneration: the Nrf2/glyoxalase-1 interaction. <i>Oncotarget</i> , 2017, 8, 5645-5646.	0.8	14
35	Protective Effects of Pyridoxamine Supplementation in the Early Stages of Diet-Induced Kidney Dysfunction. <i>BioMed Research International</i> , 2017, 2017, 1-12.	0.9	13
36	Hippocampal heat shock protein 25 expression in streptozotocin-induced diabetic mice. <i>Neuroscience</i> , 2012, 227, 154-162.	1.1	12

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37	Altered hepatic sphingolipid metabolism in insulin resistant mice: Role of advanced glycation endproducts. <i>Free Radical Biology and Medicine</i> , 2021, 169, 425-435.	1.3	12
38	Advanced glycation end products and chronic inflammation in adult survivors of childhood leukemia treated with hematopoietic stem cell transplantation. <i>Pediatric Blood and Cancer</i> , 2020, 67, e28106.	0.8	10
39	Modulations of the calcineurin/NF-AT pathway in skeletal muscle atrophy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 1028-1036.	1.1	9
40	Reduced Susceptibility to Sugar-Induced Metabolic Derangements and Impairments of Myocardial Redox Signaling in Mice Chronically Fed with D-Tagatose when Compared to Fructose. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	1.9	9
41	Deletion of RAGE fails to prevent hepatosteatosis in obese mice due to impairment of other AGEs receptors and detoxifying systems. <i>Scientific Reports</i> , 2021, 11, 17373.	1.6	6
42	Dose-dependency of clonidine's effects in ascitic cirrhotic rats: comparison with \pm adrenergic agonist midodrine. <i>Liver International</i> , 2016, 36, 205-211.	1.9	4