

Juan Sastre

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

4,213
citations

136740

32
h-index

128067

60
g-index

65
all docs

65
docs citations

65
times ranked

6081
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondria from females exhibit higher antioxidant gene expression and lower oxidative damage than males. <i>Free Radical Biology and Medicine</i> , 2003, 34, 546-552.	1.3	527
2	Mitochondrial glutathione oxidation correlates with age-associated oxidative damage to mitochondrial DNA. <i>FASEB Journal</i> , 1996, 10, 333-338.	0.2	284
3	The role of mitochondrial oxidative stress in aging. <i>Free Radical Biology and Medicine</i> , 2003, 35, 1-8.	1.3	283
4	17 β -oestradiol up-regulates longevity-related, antioxidant enzyme expression via the ERK1 and ERK2[MAPK]/NF κ B cascade. <i>Aging Cell</i> , 2005, 4, 113-118.	3.0	240
5	Why females live longer than males? Importance of the upregulation of longevity-associated genes by oestrogenic compounds. <i>FEBS Letters</i> , 2005, 579, 2541-2545.	1.3	208
6	Redox signaling in the gastrointestinal tract. <i>Free Radical Biology and Medicine</i> , 2017, 104, 75-103.	1.3	201
7	Genistein, a soy isoflavone, up-regulates expression of antioxidant genes: involvement of estrogen receptors, ERK1/2, and NF κ B. <i>FASEB Journal</i> , 2006, 20, 2136-2138.	0.2	153
8	γ -Glutamylcysteine detoxifies reactive oxygen species by acting as glutathione peroxidase-1 cofactor. <i>Nature Communications</i> , 2012, 3, 718.	5.8	132
9	Ursodeoxycholic acid protects against secondary biliary cirrhosis in rats by preventing mitochondrial oxidative stress. <i>Hepatology</i> , 2004, 39, 711-720.	3.6	127
10	Interaction Between Cytokines and Oxidative Stress in Acute Pancreatitis. <i>Current Medicinal Chemistry</i> , 2006, 13, 2775-2787.	1.2	123
11	RNAPol-ChIP: a novel application of chromatin immunoprecipitation to the analysis of real-time gene transcription. <i>Nucleic Acids Research</i> , 2004, 32, e88-e88.	6.5	122
12	Effect of Simultaneous Inhibition of TNF- α Production and Xanthine Oxidase in Experimental Acute Pancreatitis. <i>Annals of Surgery</i> , 2004, 240, 108-116.	2.1	115
13	Mitochondrial oxidative stress and CD95 ligand: A dual mechanism for hepatocyte apoptosis in chronic alcoholism. <i>Hepatology</i> , 2002, 35, 1205-1214.	3.6	110
14	Redox signaling in acute pancreatitis. <i>Redox Biology</i> , 2015, 5, 1-14.	3.9	103
15	Mitochondrial involvement in non-alcoholic steatohepatitis. <i>Molecular Aspects of Medicine</i> , 2008, 29, 22-35.	2.7	92
16	Cross-Talk between Oxidative Stress and Pro-Inflammatory Cytokines in Acute Pancreatitis: A Key Role for Protein Phosphatases. <i>Current Pharmaceutical Design</i> , 2009, 15, 3027-3042.	0.9	85
17	Mitochondrial function in liver disease. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 1200.	3.0	81
18	Oestradiol or genistein rescues neurons from amyloid beta-induced cell death by inhibiting activation of p38. <i>Aging Cell</i> , 2008, 7, 112-118.	3.0	75

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19	Exercise causes blood glutathione oxidation in chronic obstructive pulmonary disease: prevention by O ₂ therapy. <i>Journal of Applied Physiology</i> , 1996, 81, 2199-2202.	1.2	69
20	Redox signaling and histone acetylation in acute pancreatitis. <i>Free Radical Biology and Medicine</i> , 2012, 52, 819-837.	1.3	67
21	Disulfide stress: a novel type of oxidative stress in acute pancreatitis. <i>Free Radical Biology and Medicine</i> , 2014, 70, 265-277.	1.3	61
22	Glutathione, oxidative stress and aging. <i>Age</i> , 1996, 19, 129-139.	3.0	49
23	Modulation of longevity-associated genes by estrogens or phytoestrogens. <i>Biological Chemistry</i> , 2008, 389, 273-277.	1.2	48
24	[21] Assay of blood glutathione oxidation during physical exercise. <i>Methods in Enzymology</i> , 1995, 251, 237-243.	0.4	47
25	Nuclear Factor Kappa B Signaling Complexes in Acute Inflammation. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 145-165.	2.5	47
26	[35] Determination of oxidized glutathione in blood: High-performance liquid chromatography. <i>Methods in Enzymology</i> , 1994, 234, 367-371.	0.4	46
27	Mitochondrial dysfunction in cholestatic liver diseases. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 2233-2252.	0.9	46
28	Mitochondrial Oxidant Signalling in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2007, 11, 175-181.	1.2	43
29	Mitochondrial biogenesis fails in secondary biliary cirrhosis in rats leading to mitochondrial DNA depletion and deletions. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, G119-G127.	1.6	43
30	Chronic aspartame intake causes changes in the trans-sulphuration pathway, glutathione depletion and liver damage in mice. <i>Redox Biology</i> , 2017, 11, 701-707.	3.9	40
31	Oxidative and nitrosative stress in acute pancreatitis. Modulation by pentoxifylline and oxypurinol. <i>Biochemical Pharmacology</i> , 2012, 83, 122-130.	2.0	38
32	Id2 leaves the chromatin of the E2F4/p130-controlled c-myc promoter during hepatocyte priming for liver regeneration. <i>Biochemical Journal</i> , 2006, 398, 431-437.	1.7	37
33	Obesity causes PGC-1 α deficiency in the pancreas leading to marked IL-6 upregulation via NF- κ B in acute pancreatitis. <i>Journal of Pathology</i> , 2019, 247, 48-59.	2.1	37
34	Effect of Gender on Mitochondrial Toxicity of Alzheimer's A β Peptide. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 1677-1690.	2.5	32
35	Liver-specific p38 β deficiency causes reduced cell growth and cytokinesis failure during chronic biliary cirrhosis in mice. <i>Hepatology</i> , 2013, 57, 1950-1961.	3.6	32
36	Obese Rats Exhibit High Levels of Fat Necrosis and Isoprostanes in Taurocholate-Induced Acute Pancreatitis. <i>PLoS ONE</i> , 2012, 7, e44383.	1.1	29

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37	Epigenetic Regulation of Early- and Late-Response Genes in Acute Pancreatitis. <i>Journal of Immunology</i> , 2016, 197, 4137-4150.	0.4	28
38	Age-associated oxidative damage leads to absence of β -cystathionase in over 50% of rat lenses: Relevance in cataractogenesis. <i>Free Radical Biology and Medicine</i> , 2005, 38, 575-582.	1.3	27
39	Pentoxifylline Prevents Loss of PP2A Phosphatase Activity and Recruitment of Histone Acetyltransferases to Proinflammatory Genes in Acute Pancreatitis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 331, 609-617.	1.3	27
40	Transcription of the MAT2A gene, coding for methionine adenosyltransferase, is up-regulated by E2F and Sp1 at a chromatin level during proliferation of liver cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 842-850.	1.2	23
41	Ginkgo biloba extract EGb 761 protects against mitochondrial aging in the brain and in the liver. <i>Cellular and Molecular Biology</i> , 2002, 48, 685-92.	0.3	23
42	Role of Redox Signaling, Protein Phosphatases and Histone Acetylation in the Inflammatory Cascade in Acute Pancreatitis: Therapeutic Implications. <i>Inflammation and Allergy: Drug Targets</i> , 2010, 9, 97-108.	1.8	21
43	Surgical Versus Nonsurgical Treatment of Infected Pancreatic Necrosis: More Arguments to Change the Paradigm. <i>Journal of Gastrointestinal Surgery</i> , 2013, 17, 1627-1633.	0.9	21
44	Glutamate cysteine ligase up-regulation fails in necrotizing pancreatitis. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1599-1609.	1.3	18
45	Mobilization of xanthine oxidase from the gastrointestinal tract in acute pancreatitis. <i>BMC Gastroenterology</i> , 2004, 4, 1.	0.8	17
46	Pancreatic ascites hemoglobin contributes to the systemic response in acute pancreatitis. <i>Free Radical Biology and Medicine</i> , 2015, 81, 145-155.	1.3	17
47	Regulation of cytokinesis and its clinical significance. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2015, 52, 159-167.	2.7	16
48	Downregulation of thioredoxin-1-dependent CD95 S-nitrosation by Sorafenib reduces liver cancer. <i>Redox Biology</i> , 2020, 34, 101528.	3.9	16
49	p38 β regulates actin cytoskeleton and cytokinesis in hepatocytes during development and aging. <i>PLoS ONE</i> , 2017, 12, e0171738.	1.1	13
50	Metabolic adaptation and neuroprotection differ in the retina and choroid in a piglet model of acute postnatal hypoxia. <i>Pediatric Research</i> , 2014, 76, 127-134.	1.1	12
51	Role of obesity in the release of extracellular nucleosomes in acute pancreatitis: a clinical and experimental study. <i>International Journal of Obesity</i> , 2019, 43, 158-168.	1.6	12
52	Blockade of the trans-sulfuration pathway in acute pancreatitis due to nitration of cystathionine β -synthase. <i>Redox Biology</i> , 2020, 28, 101324.	3.9	11
53	Age-dependent regulation of antioxidant genes by p38 β MAPK in the liver. <i>Redox Biology</i> , 2018, 16, 276-284.	3.9	8
54	Pancreatic Protein Tyrosine Phosphatase 1B Deficiency Exacerbates Acute Pancreatitis in Mice. <i>American Journal of Pathology</i> , 2016, 186, 2043-2054.	1.9	7

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55	p38 ^{Î±} deficiency restrains liver regeneration after partial hepatectomy triggering oxidative stress and liver injury. <i>Scientific Reports</i> , 2019, 9, 3775.	1.6	7
56	Cyanoside Chloride and Chromocarbe Diethylamine are More Effective than Vitamin C against Exercise-Induced Oxidative Stress. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 89, 255-258.	0.0	6
57	Protein phosphatases and chromatin modifying complexes in the inflammatory cascade in acute pancreatitis. <i>World Journal of Gastrointestinal Pharmacology and Therapeutics</i> , 2010, 1, 75.	0.6	4
58	The State of Global Hunger. <i>Science</i> , 2008, 322, 1788-1789.	6.0	2
59	Reactive Oxygen Species (ROS) and Liver Disease Therapy. , 2014, , 1809-1838.		1
60	Disulfide Stress and its Targets in Acute Pancreatitis. <i>Inflammation and Allergy: Drug Targets</i> , 2015, 13, 312-322.	1.8	1
61	Special issue on "Oxidative stress and redox signaling in the gastrointestinal tract and related organs" <i>Free Radical Research</i> , 2013, 47, 851-853.	1.5	0
62	Serine/threonine protein phosphatase PP2A as a relevant target of disulphide stress in acute pancreatitis. <i>Free Radical Biology and Medicine</i> , 2016, 96, S62-S63.	1.3	0