Juan Sastre

List of Publications by Year in descending order

62 papers	4,213 citations	136950 32 h-index	128289 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. Free Radical Biology and Medicine, 2003, 34, 546-552.	2.9	527
2	Mitochondrial glutathione oxidation correlates with ageâ€associated oxidative damage to mitochondrial DNA. FASEB Journal, 1996, 10, 333-338.	0.5	284
3	The role of mitochondrial oxidative stress in aging. Free Radical Biology and Medicine, 2003, 35, 1-8.	2.9	283
4	17Î²-oestradiol up-regulates longevity-related, antioxidant enzyme expression via the ERK1 and ERK2[MAPK]/NFÎºB cascade. Aging Cell, 2005, 4, 113-118.	6.7	240
5	Why females live longer than males? Importance of the upregulation of longevityâ€associated genes by oestrogenic compounds. FEBS Letters, 2005, 579, 2541-2545.	2.8	208
6	Redox signaling in the gastrointestinal tract. Free Radical Biology and Medicine, 2017, 104, 75-103.	2.9	201
7	Genistein, a soy isoflavone, upâ€regulates expression of antioxidant genes: involvement of estrogen receptors, ERK1/2, and NFÎºB. FASEB Journal, 2006, 20, 2136-2138.	0.5	153
8	Î³-Glutamylcysteine detoxifies reactive oxygen species by acting as glutathione peroxidase-1 cofactor. Nature Communications, 2012, 3, 718.	12.8	132
9	Ursodeoxycholic acid protects against secondary biliary cirrhosis in rats by preventing mitochondrial oxidative stress. Hepatology, 2004, 39, 711-720.	7.3	127
10	Interaction Between Cytokines and Oxidative Stress in Acute Pancreatitis. Current Medicinal Chemistry, 2006, 13, 2775-2787.	2.4	123
11	RNAPol-ChIP: a novel application of chromatin immunoprecipitation to the analysis of real-time gene transcription. Nucleic Acids Research, 2004, 32, e88-e88.	14.5	122
12	Effect of Simultaneous Inhibition of TNF-?? Production and Xanthine Oxidase in Experimental Acute Pancreatitis. Annals of Surgery, 2004, 240, 108-116.	4.2	115
13	Mitochondrial oxidative stress and CD95 ligand: A dual mechanism for hepatocyte apoptosis in chronic alcoholism. Hepatology, 2002, 35, 1205-1214.	7.3	110
14	Redox signaling in acute pancreatitis. Redox Biology, 2015, 5, 1-14.	9.0	103
15	Mitochondrial involvement in non-alcoholic steatohepatitis. Molecular Aspects of Medicine, 2008, 29, 22-35.	6.4	92
16	Cross-Talk between Oxidative Stress and Pro-Inflammatory Cytokines in Acute Pancreatitis: A Key Role for Protein Phosphatases. Current Pharmaceutical Design, 2009, 15, 3027-3042.	1.9	85
17	Mitochondrial function in liver disease. Frontiers in Bioscience - Landmark, 2007, 12, 1200.	3.0	81
18	Oestradiol or genistein rescues neurons from amyloid betaâ€induced cell death by inhibiting activation of p38. Aging Cell, 2008, 7, 112-118.	6.7	75

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19	Exercise causes blood glutathione oxidation in chronic obstructive pulmonary disease: prevention by O₂ therapy. Journal of Applied Physiology, 1996, 81, 2199-2202.	2.5	69
20	Redox signaling and histone acetylation in acute pancreatitis. Free Radical Biology and Medicine, 2012, 52, 819-837.	2.9	67
21	Disulfide stress: a novel type of oxidative stress in acute pancreatitis. Free Radical Biology and Medicine, 2014, 70, 265-277.	2.9	61
22	Glutathione, oxidative stress and aging. Age, 1996, 19, 129-139.	3.0	49
23	Modulation of longevity-associated genes by estrogens or phytoestrogens. Biological Chemistry, 2008, 389, 273-277.	2.5	48
24	[21] Assay of blood glutathione oxidation during physical exercise. Methods in Enzymology, 1995, 251, 237-243.	1.0	47
25	Nuclear Factor Kappa B Signaling Complexes in Acute Inflammation. Antioxidants and Redox Signaling, 2020, 33, 145-165.	5.4	47
26	[35] Determination of oxidized glutathione in blood: High-performance liquid chromatography. Methods in Enzymology, 1994, 234, 367-371.	1.0	46
27	Mitochondrial dysfunction in cholestatic liver diseases. Frontiers in Bioscience - Elite, 2012, E4, 2233-2252.	1.8	46
28	Mitochondrial Oxidant Signalling in Alzheimer's Disease. Journal of Alzheimer's Disease, 2007, 11, 175-181.	2.6	43
29	Mitochondrial biogenesis fails in secondary biliary cirrhosis in rats leading to mitochondrial DNA depletion and deletions. American Journal of Physiology - Renal Physiology, 2011, 301, G119-G127.	3.4	43
30	Chronic aspartame intake causes changes in the trans-sulphuration pathway, glutathione depletion and liver damage in mice. Redox Biology, 2017, 11, 701-707.	9.0	40
31	Oxidative and nitrosative stress in acute pancreatitis. Modulation by pentoxifylline and oxypurinol. Biochemical Pharmacology, 2012, 83, 122-130.	4.4	38
32	Id2 leaves the chromatin of the E2F4â€“p130-controlled c-myc promoter during hepatocyte priming for liver regeneration. Biochemical Journal, 2006, 398, 431-437.	3.7	37
33	Obesity causes PGCâ€1Î± deficiency in the pancreas leading to marked ILâ€6 upregulation via NFâ€ºB in acute pancreatitis. Journal of Pathology, 2019, 247, 48-59.	4.5	37
34	Effect of Gender on Mitochondrial Toxicity of Alzheimer's AÎ²Peptide. Antioxidants and Redox Signaling, 2007, 9, 1677-1690.	5.4	32
35	Liver-specific p38Î± deficiency causes reduced cell growth and cytokinesis failure during chronic biliary cirrhosis in mice. Hepatology, 2013, 57, 1950-1961.	7.3	32
36	Obese Rats Exhibit High Levels of Fat Necrosis and Isoprostanes in Taurocholate-Induced Acute Pancreatitis. PLoS ONE, 2012, 7, e44383.	2.5	29

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37	Epigenetic Regulation of Early- and Late-Response Genes in Acute Pancreatitis. Journal of Immunology, 2016, 197, 4137-4150.	0.8	28
38	Age-associated oxidative damage leads to absence of Î³-cystathionase in over 50% of rat lenses: Relevance in cataractogenesis. Free Radical Biology and Medicine, 2005, 38, 575-582.	2.9	27
39	Pentoxifylline Prevents Loss of PP2A Phosphatase Activity and Recruitment of Histone Acetyltransferases to Proinflammatory Genes in Acute Pancreatitis. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 609-617.	2.5	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. International Journal of Biochemistry and Cell Biology, 2007, 39, 842-850.	2.8	23
41	Ginkgo biloba extract EGb 761 protects against mitochondrial aging in the brain and in the liver. Cellular and Molecular Biology, 2002, 48, 685-92.	0.9	23
42	Role of Redox Signaling, Protein Phosphatases and Histone Acetylation in the Inflammatory Cascade in Acute Pancreatitis: Therapeutic Implications. Inflammation and Allergy: Drug Targets, 2010, 9, 97-108.	1.8	21
43	Surgical Versus Nonsurgical Treatment of Infected Pancreatic Necrosis: More Arguments to Change the Paradigm. Journal of Gastrointestinal Surgery, 2013, 17, 1627-1633.	1.7	21
44	Glutamate cysteine ligase up-regulation fails in necrotizing pancreatitis. Free Radical Biology and Medicine, 2008, 44, 1599-1609.	2.9	18
45	Mobilization of xanthine oxidase from the gastrointestinal tract in acute pancreatitis. BMC Gastroenterology, 2004, 4, 1.	2.0	17
46	Pancreatic ascites hemoglobin contributes to the systemic response in acute pancreatitis. Free Radical Biology and Medicine, 2015, 81, 145-155.	2.9	17
47	Regulation of cytokinesis and its clinical significance. Critical Reviews in Clinical Laboratory Sciences, 2015, 52, 159-167.	6.1	16
48	Downregulation of thioredoxin-1-dependent CD95 S-nitrosation by Sorafenib reduces liver cancer. Redox Biology, 2020, 34, 101528.	9.0	16
49	p38Î± regulates actin cytoskeleton and cytokinesis in hepatocytes during development and aging. PLoS ONE, 2017, 12, e0171738.	2.5	13
50	Metabolic adaptation and neuroprotection differ in the retina and choroid in a piglet model of acute postnatal hypoxia. Pediatric Research, 2014, 76, 127-134.	2.3	12
51	Role of obesity in the release of extracellular nucleosomes in acute pancreatitis: a clinical and experimental study. International Journal of Obesity, 2019, 43, 158-168.	3.4	12
52	Blockade of the trans-sulfuration pathway in acute pancreatitis due to nitration of cystathionine Î²-synthase. Redox Biology, 2020, 28, 101324.	9.0	11
53	Age-dependent regulation of antioxidant genes by p38Î± MAPK in the liver. Redox Biology, 2018, 16, 276-284.	9.0	8
54	Pancreatic Protein Tyrosine Phosphatase 1B Deficiency Exacerbates Acute Pancreatitis in Mice. American Journal of Pathology, 2016, 186, 2043-2054.	3.8	7

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55	p38Î± deficiency restrains liver regeneration after partial hepatectomy triggering oxidative stress and liver injury. Scientific Reports, 2019, 9, 3775.	3.3	7
56	Cyanoside Chloride and Chromocarbe Diethylamine are More Effective than Vitamin C against Exercise-Induced Oxidative Stress. Basic and Clinical Pharmacology and Toxicology, 2008, 89, 255-258.	0.0	6
57	Protein phosphatases and chromatin modifying complexes in the inflammatory cascade in acute pancreatitis. World Journal of Gastrointestinal Pharmacology and Therapeutics, 2010, 1, 75.	1.1	4
58	The State of Global Hunger. Science, 2008, 322, 1788-1789.	12.6	2
59	Reactive Oxygen Species (ROS) and Liver Disease Therapy. , 2014, , 1809-1838.		1
60	Disulfide Stress and its Targets in Acute Pancreatitis. Inflammation and Allergy: Drug Targets, 2015, 13, 312-322.	1.8	1
61	Special issue on â€œOxidative stress and redox signaling in the gastrointestinal tract and related organsâ€• Free Radical Research, 2013, 47, 851-853.	3.3	0
62	Serine/threonine protein phosphatase PP2A as a relevant target of disulphide stress in acute pancreatitis. Free Radical Biology and Medicine, 2016, 96, S62-S63.	2.9	0