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	Blockade of the trans-sulfuration pathway in acute pancreatitis due to nitration of cystathionine Î²-synthase. Redox Biology, 2020, 28, 101324.	9.0	11
2	Nuclear Factor Kappa B Signaling Complexes in Acute Inflammation. Antioxidants and Redox Signaling, 2020, 33, 145-165.	5.4	47
3	Downregulation of thioredoxin-1-dependent CD95 S-nitrosation by Sorafenib reduces liver cancer. Redox Biology, 2020, 34, 101528.	9.0	16
4	Obesity causes PGCâ€•1Î± deficiency in the pancreas leading to marked ILâ€•6 upregulation via NFâ€•Îº B in acute pancreatitis. Journal of Pathology, 2019, 247, 48-59.	4.5	37
5	p38Î± deficiency restrains liver regeneration after partial hepatectomy triggering oxidative stress and liver injury. Scientific Reports, 2019, 9, 3775.	3.3	7
6	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
7	Age-dependent regulation of antioxidant genes by p38Î± MAPK in the liver. Redox Biology, 2018, 16, 276-284.	9.0	8
8	Redox signaling in the gastrointestinal tract. Free Radical Biology and Medicine, 2017, 104, 75-103.	2.9	201
9	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
10	p38Î± regulates actin cytoskeleton and cytokinesis in hepatocytes during development and aging. PLoS ONE, 2017, 12, e0171738.	2.5	13
11	Pancreatic Protein Tyrosine Phosphatase 1B Deficiency Exacerbates Acute Pancreatitis in Mice. American Journal of Pathology, 2016, 186, 2043-2054.	3.8	7
12	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
13	Epigenetic Regulation of Early- and Late-Response Genes in Acute Pancreatitis. Journal of Immunology, 2016, 197, 4137-4150.	0.8	28
14	Redox signaling in acute pancreatitis. Redox Biology, 2015, 5, 1-14.	9.0	103
15	Regulation of cytokinesis and its clinical significance. Critical Reviews in Clinical Laboratory Sciences, 2015, 52, 159-167.	6.1	16
16	Pancreatic ascites hemoglobin contributes to the systemic response in acute pancreatitis. Free Radical Biology and Medicine, 2015, 81, 145-155.	2.9	17
17	Disulfide Stress and its Targets in Acute Pancreatitis. Inflammation and Allergy: Drug Targets, 2015, 13, 312-322.	1.8	1
18	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

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19	Disulfide stress: a novel type of oxidative stress in acute pancreatitis. Free Radical Biology and Medicine, 2014, 70, 265-277.	2.9	61
20	Reactive Oxygen Species (ROS) and Liver Disease Therapy. , 2014, , 1809-1838.		1
21	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
22	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
23	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
24	Î³-Glutamylcysteine detoxifies reactive oxygen species by acting as glutathione peroxidase-1 cofactor. Nature Communications, 2012, 3, 718.	12.8	132
25	Redox signaling and histone acetylation in acute pancreatitis. Free Radical Biology and Medicine, 2012, 52, 819-837.	2.9	67
26	Oxidative and nitrosative stress in acute pancreatitis. Modulation by pentoxifylline and oxypurinol. Biochemical Pharmacology, 2012, 83, 122-130.	4.4	38
27	Obese Rats Exhibit High Levels of Fat Necrosis and Isoprostanes in Taurocholate-Induced Acute Pancreatitis. PLoS ONE, 2012, 7, e44383.	2.5	29
28	Mitochondrial dysfunction in cholestatic liver diseases. Frontiers in Bioscience - Elite, 2012, E4, 2233-2252.	1.8	46
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	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
31	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
32	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
33	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
34	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
35	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
36	Glutamate cysteine ligase up-regulation fails in necrotizing pancreatitis. Free Radical Biology and Medicine, 2008, 44, 1599-1609.	2.9	18

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37	Mitochondrial involvement in non-alcoholic steatohepatitis. Molecular Aspects of Medicine, 2008, 29, 22-35.	6.4	92
38	Modulation of longevity-associated genes by estrogens or phytoestrogens. Biological Chemistry, 2008, 389, 273-277.	2.5	48
39	The State of Global Hunger. Science, 2008, 322, 1788-1789.	12.6	2
40	Mitochondrial Oxidant Signalling in Alzheimer's Disease. Journal of Alzheimer's Disease, 2007, 11, 175-181.	2.6	43
41	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
42	Effect of Gender on Mitochondrial Toxicity of Alzheimer's A<i>Î²</i>Peptide. Antioxidants and Redox Signaling, 2007, 9, 1677-1690.	5.4	32
43	Mitochondrial function in liver disease. Frontiers in Bioscience - Landmark, 2007, 12, 1200.	3.0	81
44	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
45	Interaction Between Cytokines and Oxidative Stress in Acute Pancreatitis. Current Medicinal Chemistry, 2006, 13, 2775-2787.	2.4	123
46	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
47	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
48	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
49	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
50	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
51	Mobilization of xanthine oxidase from the gastrointestinal tract in acute pancreatitis. BMC Gastroenterology, 2004, 4, 1.	2.0	17
52	Ursodeoxycholic acid protects against secondary biliary cirrhosis in rats by preventing mitochondrial oxidative stress. Hepatology, 2004, 39, 711-720.	7.3	127
53	Effect of Simultaneous Inhibition of TNF-?? Production and Xanthine Oxidase in Experimental Acute Pancreatitis. Annals of Surgery, 2004, 240, 108-116.	4.2	115
54	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

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55	The role of mitochondrial oxidative stress in aging. Free Radical Biology and Medicine, 2003, 35, 1-8.	2.9	283
56	Mitochondrial oxidative stress and CD95 ligand: A dual mechanism for hepatocyte apoptosis in chronic alcoholism. Hepatology, 2002, 35, 1205-1214.	7.3	110
57	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
58	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
59	Mitochondrial glutathione oxidation correlates with ageâ€associated oxidative damage to mitochondrial DNA. FASEB Journal, 1996, 10, 333-338.	0.5	284
60	Glutathione, oxidative stress and aging. Age, 1996, 19, 129-139.	3.0	49
61	[21] Assay of blood glutathione oxidation during physical exercise. Methods in Enzymology, 1995, 251, 237-243.	1.0	47
62	[35] Determination of oxidized glutathione in blood: High-performance liquid chromatography. Methods in Enzymology, 1994, 234, 367-371.	1.0	46