

Steve Lancel

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

8,601
citations

109321

35
h-index

114465

63
g-index

72
all docs

72
docs citations

72
times ranked

19990
citing authors

#	ARTICLE	IF	CITATIONS
1	Impaired Glucose Homeostasis in a Tau Knock-In Mouse Model. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 841892.	2.9	4
2	Mitochondrial-Targeted Therapies Require Mitophagy to Prevent Oxidative Stress Induced by SOD2 Inactivation in Hypertrophied Cardiomyocytes. <i>Antioxidants</i> , 2022, 11, 723.	5.1	7
3	The receptor for advanced glycation end products is a sensor for cell-free heme. <i>FEBS Journal</i> , 2021, 288, 3448-3464.	4.7	16
4	From mitochondria to sarcopenia: Role of inflammaging and RAGE-ligand axis implication. <i>Experimental Gerontology</i> , 2021, 146, 111247.	2.8	23
5	Energetic dysfunction in sepsis: a narrative review. <i>Annals of Intensive Care</i> , 2021, 11, 104.	4.6	57
6	CDKN2A/p16INK4a suppresses hepatic fatty acid oxidation through the AMPK \pm 2-SIRT1-PPAR \pm signaling pathway. <i>Journal of Biological Chemistry</i> , 2020, 295, 17310-17322.	3.4	17
7	Influenza infection rewires energy metabolism and induces browning features in adipose cells and tissues. <i>Communications Biology</i> , 2020, 3, 237.	4.4	30
8	Differential unfolded protein response in skeletal muscle from non-diabetic glucose tolerant or intolerant patients with obesity before and after bariatric surgery. <i>Acta Diabetologica</i> , 2020, 57, 819-826.	2.5	1
9	The nuclear receptor FXR inhibits Glucagon-Like Peptide-1 secretion in response to microbiota-derived Short-Chain Fatty Acids. <i>Scientific Reports</i> , 2020, 10, 174.	3.3	45
10	Endoplasmic reticulum stress actively suppresses hepatic molecular identity in damaged liver. <i>Molecular Systems Biology</i> , 2020, 16, e9156.	7.2	22
11	Control of cell death/survival balance by the MET dependence receptor. <i>ELife</i> , 2020, 9, .	6.0	10
12	Glycogen Dynamics Drives Lipid Droplet Biogenesis during Brown Adipocyte Differentiation. <i>Cell Reports</i> , 2019, 29, 1410-1418.e6.	6.4	31
13	Brain insulin response and peripheral metabolic changes in a Tau transgenic mouse model. <i>Neurobiology of Disease</i> , 2019, 125, 14-22.	4.4	16
14	Hepatic PPAR \pm is critical in the metabolic adaptation to sepsis. <i>Journal of Hepatology</i> , 2019, 70, 963-973.	3.7	53
15	Metabolic and Innate Immune Cues Merge into a Specific Inflammatory Response via the UPR. <i>Cell</i> , 2019, 177, 1201-1216.e19.	28.9	100
16	A452 Differential Unfolded Protein Response expression in skeletal muscle from patients with obesity with normal or impaired glucose tolerance before and after bariatric surgery. <i>Surgery for Obesity and Related Diseases</i> , 2019, 15, S185.	1.2	0
17	Nuclear Receptor Subfamily 1 Group D Member 1 Regulates Circadian Activity of NLRP3 Inflammasome to Reduce the Severity of Fulminant Hepatitis in Mice. <i>Gastroenterology</i> , 2018, 154, 1449-1464.e20.	1.3	144
18	Targeting Oxidative Stress and Mitochondrial Dysfunction in the Treatment of Impaired Wound Healing: A Systematic Review. <i>Antioxidants</i> , 2018, 7, 98.	5.1	299

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19	Endospanin-2 enhances skeletal muscle energy metabolism and running endurance capacity. JCI Insight, 2018, 3, .	5.0	4
20	Rev-erb- β : une cible thérapeutique contre la perte de masse musculaire ?. Les Cahiers De Myologie, 2018, , 43-44.	0.0	0
21	Mitochondria and endoplasmic reticulum: Targets for a better insulin sensitivity in skeletal muscle?. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 901-916.	2.4	13
22	Tau deletion promotes brain insulin resistance. Journal of Experimental Medicine, 2017, 214, 2257-2269.	8.5	158
23	Rev-erb- β regulates atrophy-related genes to control skeletal muscle mass. Scientific Reports, 2017, 7, 14383.	3.3	39
24	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
25	Mitochondrial oxidative phosphorylation controls cancer cell's life and death decisions upon exposure to MAPK inhibitors. Oncotarget, 2016, 7, 39473-39485.	1.8	58
26	Cardiac contractile function and mitochondrial respiration in diabetes-related mouse models. Cardiovascular Diabetology, 2014, 13, 118.	6.8	35
27	Apolipoprotein a5-deficiency promotes cardiac glucose metabolism and protects against acute myocardial stresses. Atherosclerosis, 2014, 235, e45.	0.8	0
28	Rev-erb- β modulates skeletal muscle oxidative capacity by regulating mitochondrial biogenesis and autophagy. Nature Medicine, 2013, 19, 1039-1046.	30.7	361
29	Maternal calorie restriction modulates placental mitochondrial biogenesis and bioenergetic efficiency: putative involvement in fetoplacental growth defects in rats. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E14-E22.	3.5	52
30	Hydrogen Peroxide-Mediated SERCA Cysteine 674 Oxidation Contributes to Impaired Cardiac Myocyte Relaxation in Senescent Mouse Heart. Journal of the American Heart Association, 2013, 2, e000184.	3.7	91
31	Macrophage Migration Inhibitory Factor Inhibition Is Deleterious for High-Fat Diet-Induced Cardiac Dysfunction. PLoS ONE, 2013, 8, e58718.	2.5	4
32	Carbon Monoxide Improves Cardiac Function and Mitochondrial Population Quality in a Mouse Model of Metabolic Syndrome. PLoS ONE, 2012, 7, e41836.	2.5	53
33	Doxorubicin-induced cardiac dysfunction is attenuated by ciclosporin treatment in mice through improvements in mitochondrial bioenergetics. Clinical Science, 2011, 121, 405-413.	4.3	55
34	Relative contribution of three main virulence factors in Pseudomonas aeruginosa pneumonia*. Critical Care Medicine, 2011, 39, 2113-2120.	0.9	79
35	Doxorubicin induces mitochondrial permeability transition and contractile dysfunction in the human myocardium. Mitochondrion, 2011, 11, 22-26.	3.4	58
36	AMP-activated protein kinase deficiency reduces ozone-induced lung injury and oxidative stress in mice. Respiratory Research, 2011, 12, 64.	3.6	23

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37	Caspase-dependent protein phosphatase 2A activation contributes to endotoxin-induced cardiomyocyte contractile dysfunction*. Critical Care Medicine, 2010, 38, 2031-2036.	0.9	33
38	Inhibition of mitochondrial respiration mediates apoptosis induced by the anti-tumoral alkaloid lamellarin D. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 769-781.	4.9	98
39	Stabilization of mitochondrial membrane potential prevents doxorubicin-induced cardiotoxicity in isolated rat heart. Toxicology and Applied Pharmacology, 2010, 244, 300-307.	2.8	42
40	Redox-mediated reciprocal regulation of SERCA and Na ⁺ /Ca ²⁺ exchanger contributes to sarcoplasmic reticulum Ca ²⁺ depletion in cardiac myocytes. Free Radical Biology and Medicine, 2010, 48, 1182-1187.	2.9	113
41	Short Communication: Oxidative Posttranslational Modifications Mediate Decreased SERCA Activity and Myocyte Dysfunction in Ca^{2+} -Overexpressing Mice. Circulation Research, 2010, 107, 228-232.	4.5	83
42	Cardiac-Specific Overexpression of Catalase Identifies Hydrogen Peroxide-Dependent and -Independent Phases of Myocardial Remodeling and Prevents the Progression to Overt Heart Failure in Ca^{2+} -Overexpressing Transgenic Mice. Circulation: Heart Failure, 2010, 3, 306-313.	3.9	66
43	Carbon Monoxide Rescues Mice from Lethal Sepsis by Supporting Mitochondrial Energetic Metabolism and Activating Mitochondrial Biogenesis. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 641-648.	2.5	171
44	Nitroxyl Activates SERCA in Cardiac Myocytes via Glutathiolation of Cysteine 674. Circulation Research, 2009, 104, 720-723.	4.5	138
45	Fenofibrate inhibits aldosterone-induced apoptosis in adult rat ventricular myocytes via stress-activated kinase-dependent mechanisms. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1983-H1993.	3.2	35
46	Cardiac force-frequency relationship and frequency-dependent acceleration of relaxation are impaired in LPS-treated rats. Critical Care, 2009, 13, R14.	5.8	43
47	NADPH oxidases participate to doxorubicin-induced cardiac myocyte apoptosis. Biochemical and Biophysical Research Communications, 2009, 388, 727-731.	2.1	111
48	Prevention of endotoxin-induced sarcoplasmic reticulum calcium leak improves mitochondrial and myocardial dysfunction*. Critical Care Medicine, 2008, 36, 2590-2596.	0.9	90
49	The synthetic pentasaccharide fondaparinux prevents coronary microvascular injury and myocardial dysfunction in the ischemic heart. Thrombosis and Haemostasis, 2008, 100, 912-919.	3.4	10
50	ANNEXIN V DETECTION OF LIPOPOLYSACCHARIDE-INDUCED CARDIAC APOPTOSIS. Shock, 2007, 27, 69-74.	2.1	15
51	Inhaled nitric oxide increases endothelial permeability in Pseudomonas aeruginosa pneumonia. Intensive Care Medicine, 2007, 33, 503-510.	8.2	16
52	Cytokine profile of human septic shock serum inducing cardiomyocyte contractile dysfunction. Physiological Research, 2007, 56, 291-297.	0.9	40
53	Abstract 930: NADPH Oxidase 2 is Responsible for β -1-Adrenergic Receptor-Dependent Reactive Oxygen Species Production in Adult Rat Ventricular Myocytes. Circulation, 2007, 116, .	1.6	0
54	Abstract 154: Hydrogen Peroxide-Induced Contractile Dysfunction is Mediated Through Oxidation of SERCA on Cysteine-674. Circulation, 2007, 116, .	1.6	0

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55	Inhibition of Mitochondrial Permeability Transition Prevents Sepsis-Induced Myocardial Dysfunction and Mortality. <i>Journal of the American College of Cardiology</i> , 2006, 48, 377-385.	2.8	156
56	Sphingosine impairs mitochondrial function by opening permeability transition pore. <i>Mitochondrion</i> , 2006, 6, 149-154.	3.4	12
57	Cardiovascular protective role for activated protein C during endotoxemia in rats. <i>Intensive Care Medicine</i> , 2006, 32, 899-905.	8.2	26
58	Myocardial Dysfunction and Potential Cardiac Hypoxia in Rats Induced by Carbon Monoxide Inhalation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 174, 320-325.	5.6	39
59	Monoxyde de carbone et coeur : des effets univoques ?. <i>Bulletin De L'Academie Nationale De Medecine</i> , 2006, 190, 1961-1975.	0.0	4
60	Expression of apoptosis regulatory factors during myocardial dysfunction in endotoxemic rats*. <i>Critical Care Medicine</i> , 2005, 33, 492-496.	0.9	44
61	Ventricular Myocyte Caspases Are Directly Responsible for Endotoxin-Induced Cardiac Dysfunction. <i>Circulation</i> , 2005, 111, 2596-2604.	1.6	116
62	Title is missing!. <i>Critical Care</i> , 2005, 9, P187.	5.8	0
63	Mitochondrial proliferation during apoptosis induced by anticancer agents: effects of doxorubicin and mitoxantrone on cancer and cardiac cells. <i>Oncogene</i> , 2004, 23, 7018-7030.	5.9	167
64	Peroxynitrite decomposition catalysts prevent myocardial dysfunction and inflammation in endotoxemic rats. <i>Journal of the American College of Cardiology</i> , 2004, 43, 2348-2358.	2.8	94
65	Endotoxin-induced myocardial dysfunction: Evidence for a role of sphingosine production*. <i>Critical Care Medicine</i> , 2004, 32, 495-501.	0.9	91
66	CALPAIN INHIBITORS IMPROVE MYOCARDIAL DYSFUNCTION AND INFLAMMATION INDUCED BY ENDOTOXIN IN RATS. <i>Shock</i> , 2004, 21, 352-357.	2.1	47