

# Chang-seng Liang

## List of Publications by Year in descending order

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92  
papers

5,883  
citations

94433

37  
h-index

71685

76  
g-index

92  
all docs

92  
docs citations

92  
times ranked

4382  
citing authors

#	ARTICLE	IF	CITATIONS
1	Galectin-3 Is Associated With Stage B Metabolic Heart Disease and Pulmonary Hypertension in Young Obese Patients. <i>Journal of the American Heart Association</i> , 2019, 8, e011100.	3.7	19
2	Impaired Right Ventricular Hemodynamics Indicate Preclinical Pulmonary Hypertension in Patients With Metabolic Syndrome. <i>Journal of the American Heart Association</i> , 2015, 4, e001597.	3.7	34
3	Preclinical Systolic and Diastolic Dysfunctions in Metabolically Healthy and Unhealthy Obese Individuals. <i>Circulation: Heart Failure</i> , 2015, 8, 897-904.	3.9	64
4	Preclinical Left Ventricular Diastolic Dysfunction in Metabolic Syndrome. <i>American Journal of Cardiology</i> , 2014, 114, 838-842.	1.6	46
5	Relationship of Plasma Galectin-3 to Renal Function in Patients With Heart Failure: Effects of Clinical Status, Pathophysiology of Heart Failure, and Presence or Absence of Heart Failure. <i>Journal of the American Heart Association</i> , 2012, 1, e000760.	3.7	105
6	Oxidative and Nitrosative Stress in Heart Failure. , 2011, , 185-197.		0
7	Increasing Post-Myocardial Infarction Heart Failure Incidence in Elderly Patients. <i>Journal of the American College of Cardiology</i> , 2009, 53, 21-23.	2.8	14
8	Adoptive passive transfer of rabbit $\beta$ 1-adrenoceptor peptide immune cardiomyopathy into the Rag2 <sup>-/-</sup> / $\beta$ 280 mouse: Participation of the ER stress. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 304-314.	1.9	27
9	Darbepoetin alfa exerts a cardioprotective effect in autoimmune cardiomyopathy via reduction of ER stress and activation of the PI3K/Akt and STAT3 pathways. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, 250-260.	1.9	46
10	Pro-apoptotic effects of anti- $\beta$ 1-adrenergic receptor antibodies in cultured rat cardiomyocytes: Actions on endoplasmic reticulum and the prosurvival PI3K-Akt pathway. <i>Autoimmunity</i> , 2008, 41, 434-441.	2.6	16
11	ERKs/p53 signal transduction pathway is involved in doxorubicin-induced apoptosis in H9c2 cells and cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1956-H1965.	3.2	225
12	Cardiomyocyte apoptosis in autoimmune cardiomyopathy: mediated via endoplasmic reticulum stress and exaggerated by norepinephrine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1636-H1645.	3.2	69
13	Cardiac sympathetic nerve terminal function in congestive heart failure. <i>Acta Pharmacologica Sinica</i> , 2007, 28, 921-927.	6.1	32
14	Norepinephrine-induced oxidative stress causes PC-12 cell apoptosis by both endoplasmic reticulum stress and mitochondrial intrinsic pathway: inhibition of phosphatidylinositol 3-kinase survival pathway. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C1373-C1384.	4.6	40
15	Cardiac sympathetic neuroprotective effect of desipramine in tachycardia-induced cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H995-H1003.	3.2	6
16	Norepinephrine induces endoplasmic reticulum stress and downregulation of norepinephrine transporter density in PC12 cells via oxidative stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2381-H2389.	3.2	37
17	Progressive left ventricular remodeling, myocyte apoptosis, and protein signaling cascades after myocardial infarction in rabbits. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1740, 499-513.	3.8	40
18	Extracellular norepinephrine reduces neuronal uptake of norepinephrine by oxidative stress in PC12 cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H29-H39.	3.2	29

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19	Importance of antioxidant and antiapoptotic effects of $\beta^2$ -receptor blockers in heart failure therapy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H1003-H1012.	3.2	64
20	Selegiline attenuates cardiac oxidative stress and apoptosis in heart failure: association with improvement of cardiac function. <i>European Journal of Pharmacology</i> , 2003, 461, 149-158.	3.5	36
21	Sympatholysis and cardiac sympathetic nerve function in the treatment of congestive heart failure**Editorials published in the <i>Journal of the American College of Cardiology</i> reflect the views of the authors and do not necessarily represent the views of JACC or the American College of Cardiology. <i>Journal of the American College of Cardiology</i> , 2003, 42, 549-551.	2.8	6
22	Desipramine attenuates loss of cardiac sympathetic neurotransmitters produced by congestive heart failure and NE infusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H1729-H1736.	3.2	13
23	Antioxidants attenuate myocyte apoptosis and improve cardiac function in CHF: association with changes in MAPK pathways. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H822-H832.	3.2	86
24	Cardioselective overexpression of HO-1 prevents I/R-induced cardiac dysfunction and apoptosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H688-H694.	3.2	119
25	Loss of cardiac sympathetic neurotransmitters in heart failure and NE infusion is associated with reduced NGF. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H363-H371.	3.2	69
26	Differential pre- and postsynaptic effects of desipramine on cardiac sympathetic nerve terminals in RHF. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H1863-H1872.	3.2	6
27	Association of C-reactive protein and serum amyloid A with recurrent coronary events in stable patients after healing of acute myocardial infarction. <i>American Journal of Cardiology</i> , 2002, 89, 216-221.	1.6	50
28	Antioxidant vitamins attenuate oxidative stress and cardiac dysfunction in tachycardia-induced cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2001, 38, 1734-1740.	2.8	88
29	Recurrent coronary events are not increased in postinfarction patients with methylenetetrahydrofolate reductase gene C677T polymorphism. <i>American Journal of Cardiology</i> , 2001, 87, 1289-1292.	1.6	5
30	Effect of smoking on lipid and thrombogenic factors two months after acute myocardial infarction. <i>American Journal of Cardiology</i> , 2000, 86, 813-818.	1.6	15
31	Alterations in cardiac adrenergic terminal function and $\beta^2$ -adrenoceptor density in pacing-induced heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H1708-H1716.	3.2	44
32	Selegiline improves cardiac sympathetic terminal function and $\beta^2$ -adrenergic responsiveness in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H1283-H1290.	3.2	7
33	Renin-angiotensin system inhibition on noradrenergic nerve terminal function in pacing-induced heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H3012-H3019.	3.2	19
34	Alterations by Norepinephrine of Cardiac Sympathetic Nerve Terminal Function and Myocardial $\beta^2$ -Adrenergic Receptor Sensitivity in the Ferret. <i>Circulation</i> , 2000, 102, 96-103.	1.6	73
35	Intravenous Nesiritide, a Natriuretic Peptide, in the Treatment of Decompensated Congestive Heart Failure. <i>New England Journal of Medicine</i> , 2000, 343, 246-253.	27.0	897
36	ACE inhibition improves cardiac NE uptake and attenuates sympathetic nerve terminal abnormalities in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 277, H1609-H1617.	3.2	18

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37	Thrombogenic Factors and Recurrent Coronary Events. <i>Circulation</i> , 1999, 99, 2517-2522.	1.6	253
38	Reappraisal of the Norris score and the prognostic value of left ventricular ejection fraction measurement for in-hospital mortality after acute myocardial infarction. <i>American Journal of Cardiology</i> , 1999, 83, 589-591.	1.6	12
39	Myocardial $\beta_2$ -adrenoceptor down-regulation by norepinephrine is linked to reduced norepinephrine uptake activity. <i>European Journal of Pharmacology</i> , 1999, 384, 17-24.	3.5	21
40	Sustained hemodynamic effects of an infusion of nesiritide (human b-type natriuretic peptide) in heart failure. <i>Journal of the American College of Cardiology</i> , 1999, 34, 155-162.	2.8	317
41	Effects of dobutamine on ischemic vasodilation of the forearm in patients with severe congestive heart failure. <i>Journal of Cardiac Failure</i> , 1999, 5, 25-30.	1.7	6
42	Chamber-specific Regulation of Heme Oxygenase-1 (Heat Shock Protein 32) in Right-sided Congestive Heart Failure. <i>Journal of Molecular and Cellular Cardiology</i> , 1999, 31, 1581-1589.	1.9	46
43	Altered Sarcoplasmic Reticulum Ca <sup>2+</sup> -ATPase Gene Expression in Congestive Heart Failure: Effect of Chronic Norepinephrine Infusion. <i>Journal of Molecular and Cellular Cardiology</i> , 1998, 30, 175-185.	1.9	22
44	Elevated myocardial interstitial norepinephrine concentration contributes to the regulation of Na <sup>+</sup> ,K <sup>+</sup> -ATPase in heart failure. <i>European Journal of Pharmacology</i> , 1996, 309, 235-241.	3.5	10
45	Differential changes of myocardial $\beta_2$ -adrenoceptor subtypes and G-proteins in dogs with right-sided congestive heart failure. <i>European Journal of Pharmacology</i> , 1996, 309, 201-208.	3.5	11
46	Double-Blind, Placebo-Controlled Study of the Effects of Carvedilol in Patients With Moderate to Severe Heart Failure. <i>Circulation</i> , 1996, 94, 2793-2799.	1.6	530
47	Dobutamine Effects on Systole and Diastole in Rats With Myocardial Infarction. <i>American Journal of the Medical Sciences</i> , 1995, 309, 5-12.	1.1	3
48	Metabolic control of the circulation: Implications for congestive heart failure. <i>Progress in Cardiovascular Diseases</i> , 1995, 38, 51-66.	3.1	4
49	Neurohumoral variability in left ventricular dysfunction. <i>American Journal of Cardiology</i> , 1995, 75, 354-359.	1.6	9
50	Effect of long-term enalapril therapy on neurohormones in patients with left ventricular dysfunction. <i>American Journal of Cardiology</i> , 1995, 75, 1151-1157.	1.6	100
51	Acute reversal of pheochromocytoma-induced catecholamine cardiomyopathy. <i>Clinical Cardiology</i> , 1995, 18, 421-423.	1.8	60
52	Contraction Band Necrosis. <i>Journal of Cardiovascular Pharmacology</i> , 1994, 24, 694-701.	1.9	7
53	Comparison of Nifedipine gastrointestinal therapeutic system and Atenolol on antianginal efficacies and exercise hemodynamic responses in stable angina pectoris. <i>American Journal of Cardiology</i> , 1994, 73, 23-28.	1.6	35
54	Short-term effects of naloxone hemodynamics and baroreflex function in conscious dogs with pacing-induced congestive heart failure. <i>Journal of the American College of Cardiology</i> , 1994, 23, 194-200.	2.8	22

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55	Polymorphism of the gene encoding a human minimal potassium ion channel (mink). <i>Gene</i> , 1994, 151, 339-340.	2.2	55
56	Nitroprusside Infusion Improves Arterial Baroreflex Control of Heart Rate in Dogs with Chronic Congestive Heart Failure. <i>Journal of Cardiovascular Pharmacology</i> , 1994, 24, 702-706.	1.9	4
57	Clinical characteristics of patients in Studies of Left Ventricular Dysfunction (SOLVD). <i>American Journal of Cardiology</i> , 1992, 70, 894-900.	1.6	113
58	Characteristics of peak aerobic capacity in symptomatic and asymptomatic subjects with left ventricular dysfunction†. <i>American Journal of Cardiology</i> , 1992, 69, 1207-1211.	1.6	26
59	Pregnancy enhances cardiotoxicity of cocaine: Role of progesterone. <i>Toxicology and Applied Pharmacology</i> , 1992, 113, 30-35.	2.8	27
60	Both cell surface and internalized $\beta_2$ -adrenoceptors are reduced in the failing myocardium. <i>European Journal of Pharmacology</i> , 1991, 205, 165-169.	3.5	5
61	Beta-adrenergic receptor density correlates with norepinephrine uptake activity in the failing human heart. <i>Journal of the American College of Cardiology</i> , 1991, 17, A176.	2.8	1
62	Acute Hemodynamic Effects of Pinacidil in Hypertensive Patients with and without Propranolol Pretreatment. <i>Journal of Clinical Pharmacology</i> , 1991, 31, 333-341.	2.0	1
63	Comparison of antianginal efficacies and exercise hemodynamic effects of nifedipine and diltiazem in stable angina pectoris. <i>American Journal of Cardiology</i> , 1989, 63, 414-418.	1.6	16
64	Lisinopril for severe congestive heart failure. <i>American Journal of Cardiology</i> , 1989, 63, D8-D11.	1.6	3
65	Hemodynamic effects of lisinopril after long-term administration in congestive heart failure. <i>American Journal of Cardiology</i> , 1989, 63, 567-570.	1.6	8
66	Effects of Pinacidil on Myocardial Blood Flow and Infarct Size After Acute Left Anterior Descending Coronary Artery Occlusion and Reperfusion in Awake Dogs With and Without a Coexisting Left Circumflex Coronary Artery Stenosis. <i>Journal of Cardiovascular Pharmacology</i> , 1989, 14, 747-755.	1.9	25
67	Modulation of hemodynamic effects with a converting enzyme inhibitor: Acute hemodynamic dose-response relationship of a new angiotensin converting enzyme inhibitor, lisinopril, with observations on long-term clinical, functional, and biochemical responses. <i>American Heart Journal</i> , 1988, 116, 480-488.	2.7	35
68	Antihypertensive Effects of Pinacidil in Patients with and Without Indomethacin Pretreatment. <i>Clinical and Experimental Hypertension</i> , 1988, 10, 411-431.	0.3	8
69	Effects of Milrinone on Systemic Hemodynamics and Regional Circulations in Dogs with Congestive Heart Failure. <i>Journal of Cardiovascular Pharmacology</i> , 1987, 10, 509-516.	1.9	15
70	Alterations in cardiac $\beta_2$ -adrenoceptor responsiveness and adenylate cyclase system by congestive heart failure in dogs. <i>European Journal of Pharmacology</i> , 1987, 140, 123-132.	3.5	82
71	Hemodynamic and regional blood flow response to milrinone in patients with severe congestive heart failure: A dose-ranging study. <i>American Heart Journal</i> , 1987, 114, 97-105.	2.7	27
72	Piretanide, a potent diuretic with potassium-sparing properties, for the treatment of congestive heart failure. <i>Clinical Pharmacology and Therapeutics</i> , 1986, 40, 587-594.	4.7	40

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73	Indomethacin attenuates the hypotensive action of hydralazine. <i>Clinical Pharmacology and Therapeutics</i> , 1986, 39, 564-570.	4.7	23
74	Comparison of antianginal efficacy of nifedipine and isosorbide dinitrate in chronic stable angina: A long-term, randomized, double-blind, crossover study. <i>American Journal of Cardiology</i> , 1985, 55, E9-E14.	1.6	15
75	Contrasting effects of dopamine and dobutamine on myocardial release of norepinephrine during acute myocardial infarction.. <i>International Heart Journal</i> , 1985, 26, 975-984.	0.6	3
76	Nitroprusside infusion in experimental acute myocardial infarction with systemic hypertension: Effects on systemic hemodynamics and regional myocardial blood flows. <i>American Journal of Cardiology</i> , 1984, 53, 1354-1359.	1.6	6
77	Nifedipine in chronic stable angina: A double-blind placebo-controlled crossover trial. <i>American Journal of Cardiology</i> , 1983, 51, 706-711.	1.6	70
78	Randomized withdrawal from nifedipine: Placebo-controlled study in patients with coronary artery spasm. <i>American Heart Journal</i> , 1982, 104, 690-697.	2.7	56
79	Insulin Infusion in Conscious Dogs. <i>Journal of Clinical Investigation</i> , 1982, 69, 1321-1336.	8.2	248
80	Nifedipine Therapy for Coronary-Artery Spasm. <i>New England Journal of Medicine</i> , 1980, 302, 1269-1273.	27.0	439
81	Mineralocorticoid-Induced Hypertension in Patients with Orthostatic Hypotension. <i>New England Journal of Medicine</i> , 1979, 301, 68-73.	27.0	213
82	Effect of Nadolol in Treatment of Hypertension. <i>Journal of Clinical Pharmacology</i> , 1979, 19, 137-147.	2.0	15
83	Conditioning Effects of Chronic Infusions of Dobutamine. <i>Journal of Clinical Investigation</i> , 1979, 64, 613-619.	8.2	55
84	Renin-Angiotensin System Inhibition in Conscious Sodium-Depleted Dogs. <i>Journal of Clinical Investigation</i> , 1978, 61, 874-883.	8.2	74
85	Metabolic Control of the Circulation. <i>Journal of Clinical Investigation</i> , 1978, 62, 1029-1038.	8.2	123
86	Renin-Angiotensin System Inhibition in Conscious Dogs during Acute Hypoxemia. <i>Journal of Clinical Investigation</i> , 1978, 62, 961-970.	8.2	51
87	Effects of Sympathetic Blockade and Splenectomy on Cardiac Output Response to Muscular Work in Dogs. <i>Cardiology</i> , 1977, 62, 21-34.	1.4	2
88	Effects of Arterial Hypoxemia and Splenic Nerve Stimulation on Myocardial Adenosine 3,5&rsquo;-Monophosphate in Dogs. <i>Pharmacology</i> , 1975, 13, 193-200.	2.2	1
89	The Myocardial Depressant Effect of Beta-Receptor Blocking Agents. <i>Circulation Research</i> , 1974, 35, 272-280.	4.5	22
90	Comparison of Cardiac Output Responses to 2,4-Dinitrophenol-Induced Hypermetabolism and Muscular Work. <i>Journal of Clinical Investigation</i> , 1973, 52, 2283-2292.	8.2	20

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91	Mechanisms Regulating the Cardiac Output Response to Cyanide Infusion, a Model of Hypoxia. Journal of Clinical Investigation, 1973, 52, 3115-3128.	8.2	18
92	Effects of Splenectomy and Beta-Adrenoceptor Blockade on Cardiac Output Response to Acute Hypoxemia. Journal of Clinical Investigation, 1973, 52, 3129-3134.	8.2	6