

Chuen Neng Lee

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

7,096
citations

186209

28
h-index

60583

81
g-index

103
all docs

103
docs citations

103
times ranked

12289
citing authors

#	ARTICLE	IF	CITATIONS
1	Exosome secreted by MSC reduces myocardial ischemia/reperfusion injury. <i>Stem Cell Research</i> , 2010, 4, 214-222.	0.3	1,831
2	Association analysis identifies 65 new breast cancer risk loci. <i>Nature</i> , 2017, 551, 92-94.	13.7	1,099
3	Mesenchymal stem cell secretes microparticles enriched in pre-microRNAs. <i>Nucleic Acids Research</i> , 2010, 38, 215-224.	6.5	562
4	Reduction of myocardial infarct size by human mesenchymal stem cell conditioned medium. <i>Stem Cell Research</i> , 2008, 1, 129-137.	0.3	531
5	Functional Mesenchymal Stem Cells Derived From Human Induced Pluripotent Stem Cells Attenuate Limb Ischemia in Mice. <i>Circulation</i> , 2010, 121, 1113-1123.	1.6	515
6	Enabling a robust scalable manufacturing process for therapeutic exosomes through oncogenic immortalization of human ESC-derived MSCs. <i>Journal of Translational Medicine</i> , 2011, 9, 47.	1.8	323
7	Elucidating the Secretion Proteome of Human Embryonic Stem Cell-derived Mesenchymal Stem Cells. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1680-1689.	2.5	240
8	Hepatoolithiasis in East Asia retrospective study. <i>Digestive Diseases and Sciences</i> , 1986, 31, 21-26.	1.1	166
9	DLK1-DIO3 Genomic Imprinted MicroRNA Cluster at 14q32.2 Defines a Stemlike Subtype of Hepatocellular Carcinoma Associated with Poor Survival. <i>Journal of Biological Chemistry</i> , 2011, 286, 30706-30713.	1.6	147
10	Contractile and Vasorelaxant Effects of Hydrogen Sulfide and Its Biosynthesis in the Human Internal Mammary Artery. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 324, 876-882.	1.3	142
11	Derivation and characterization of human fetal MSCs: An alternative cell source for large-scale production of cardioprotective microparticles. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 1215-1224.	0.9	137
12	Nanofibrous modification on ultra-thin poly(ϵ -caprolactone) membrane via electrospinning. <i>Materials Science and Engineering C</i> , 2007, 27, 325-332.	3.8	110
13	Milk-derived extracellular vesicles alleviate ulcerative colitis by regulating the gut immunity and reshaping the gut microbiota. <i>Theranostics</i> , 2021, 11, 8570-8586.	4.6	105
14	Plasma-derived Extracellular Vesicles Contain Predictive Biomarkers and Potential Therapeutic Targets for Myocardial Ischemic (MI) Injury. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2628-2640.	2.5	97
15	Improved Cell Survival and Paracrine Capacity of Human Embryonic Stem Cell-Derived Mesenchymal Stem Cells Promote Therapeutic Potential for Pulmonary Arterial Hypertension. <i>Cell Transplantation</i> , 2012, 21, 2225-2239.	1.2	69
16	Flow studies on atriopulmonary and cavopulmonary connections of the Fontan operations for congenital heart defects. <i>Journal of Biomedical Engineering</i> , 1993, 15, 303-307.	0.7	51
17	Outcome of surgical closure of doubly committed subarterial ventricular septal defect. <i>Annals of Thoracic Surgery</i> , 1999, 67, 736-738.	0.7	48
18	Metabolic Adaptation to a Disruption in Oxygen Supply during Myocardial Ischemia and Reperfusion Is Underpinned by Temporal and Quantitative Changes in the Cardiac Proteome. <i>Journal of Proteome Research</i> , 2012, 11, 2331-2346.	1.8	46

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19	An autologous platelet-rich plasma hydrogel compound restores left ventricular structure, function and ameliorates adverse remodeling in a minimally invasive large animal myocardial restoration model: A translational approach. <i>Biomaterials</i> , 2015, 45, 27-35.	5.7	42
20	Characterization of smooth muscle cells on poly(μ -caprolactone) films. <i>Materials Science and Engineering C</i> , 2007, 27, 309-312.	3.8	40
21	Development of cell-selective films for layered co-culturing of vascular progenitor cells. <i>Biomaterials</i> , 2009, 30, 2241-2251.	5.7	40
22	Characteristics of aortic wall extracellular matrix in patients with acute myocardial infarction: tissue microarray detection of collagen I, collagen III and elastin levels. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2013, 16, 11-15.	0.5	37
23	Ambient and supplemental magnetic fields promote myogenesis <i>via</i> a TRPC1-mitochondrial axis: evidence of a magnetic mitohormetic mechanism. <i>FASEB Journal</i> , 2019, 33, 12853-12872.	0.2	37
24	Quantitative profiling of the rat heart myoblast secretome reveals differential responses to hypoxia and re-oxygenation stress. <i>Journal of Proteomics</i> , 2014, 98, 138-149.	1.2	31
25	Identification of independent association signals and putative functional variants for breast cancer risk through fine-scale mapping of the 12p11 locus. <i>Breast Cancer Research</i> , 2016, 18, 64.	2.2	31
26	The Interaction between 30b-5p miRNA and MBNL1 mRNA is Involved in Vascular Smooth Muscle Cell Differentiation in Patients with Coronary Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 11.	1.8	31
27	Peptide-Functionalized Polyurethane Coatings Prepared via Grafting- <i>To</i> Strategy to Selectively Promote Endothelialization. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700944.	3.9	30
28	Distinctive molecular signature and activated signaling pathways in aortic smooth muscle cells of patients with myocardial infarction. <i>Atherosclerosis</i> , 2018, 271, 237-244.	0.4	29
29	Simultaneous Enrichment of Plasma Soluble and Extracellular Vesicular Glycoproteins Using Prolonged Ultracentrifugation-Electrostatic Repulsion-hydrophilic Interaction Chromatography (PUC-ERLIC) Approach*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1657-1671.	2.5	28
30	Grafts Enriched with Subamniotic Cord-Lining Mesenchymal Stem Cell Angiogenic Spheroids Induce Post-Ischemic Myocardial Revascularization and Preserve Cardiac Function in Failing Rat Hearts. <i>Stem Cells and Development</i> , 2013, 22, 3087-3099.	1.1	25
31	Influence of surgery on aortic valve prolapse and aortic regurgitation in doubly committed subarterial ventricular septal defect. <i>American Journal of Cardiology</i> , 1999, 84, 1445-1448.	0.7	24
32	Monocyte adhesion to atherosclerotic matrix proteins is enhanced by Asn-Gly-Arg deamidation. <i>Scientific Reports</i> , 2017, 7, 5765.	1.6	23
33	Plasma extracellular vesicle protein content for diagnosis and prognosis of global cardiovascular disease. <i>Netherlands Heart Journal</i> , 2013, 21, 467-471.	0.3	22
34	The Gut-Skin Microbiota Axis and Its Role in Diabetic Wound Healing—A Review Based on Current Literature. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2375.	1.8	22
35	Comparison of Mini-Cardiopulmonary Bypass System With Air-Purge Device to Conventional Bypass System. <i>Annals of Thoracic Surgery</i> , 2008, 85, 994-1000.	0.7	19
36	Gene expression profile analysis of aortic vascular smooth muscle cells reveals upregulation of cadherin genes in myocardial infarction patients. <i>Physiological Genomics</i> , 2018, 50, 648-657.	1.0	18

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37	Bio-Conjugated Polycaprolactone Membranes: A Novel Wound Dressing. Archives of Plastic Surgery, 2014, 41, 638-646.	0.4	18
38	Intravascular hemolysis after mitral valve repair: a word of caution. European Journal of Cardio-thoracic Surgery, 1992, 6, 103-105.	0.6	17
39	Myocardial Injury Is Distinguished from Stable Angina by a Set of Candidate Plasma Biomarkers Identified Using iTRAQ/MRM-Based Approach. Journal of Proteome Research, 2018, 17, 499-515.	1.8	17
40	Expression of neuronal nitric oxide synthase in the internal thoracic artery and saphenous vein. Journal of Thoracic and Cardiovascular Surgery, 2006, 132, 1131-1136.	0.4	16
41	Pulmonary tumor embolism secondary to osteosarcoma. Annals of Thoracic Surgery, 2004, 77, 341.	0.7	15
42	Off-pump coronary bypass grafting is safe and efficient in patients with left main disease and higher EuroScore [†] . European Journal of Cardio-thoracic Surgery, 2009, 36, 616-620.	0.6	15
43	Combined resection of hepatoblastoma and intracaval right atrial extension with profound hypothermia and circulatory arrest. European Journal of Cardio-thoracic Surgery, 1991, 5, 657-659.	0.6	13
44	Isolated right ventricular diverticulum with chest pain. International Journal of Cardiology, 1997, 59, 89-91.	0.8	13
45	Left ventricular shape-based contractility index. Journal of Biomechanics, 2006, 39, 2397-2409.	0.9	13
46	Transcriptome alterations of vascular smooth muscle cells in aortic wall of myocardial infarction patients. Data in Brief, 2018, 17, 1112-1135.	0.5	13
47	Endovascular Management of Traumatic Thoracic Aortic Transection. Asian Cardiovascular and Thoracic Annals, 2009, 17, 458-461.	0.2	12
48	Combined Open and Endovascular Repair of Acute Type A Aortic Dissection. Annals of Thoracic Surgery, 2007, 83, 666-668.	0.7	11
49	Gut Microbiota Dysbiosis as a Target for Improved Post-Surgical Outcomes and Improved Patient Care: A Review of Current Literature. Shock, 2021, 55, 441-454.	1.0	11
50	Intra-atrial Smoke-like Echoes and Thrombi Formation. Chest, 1989, 95, 912-914.	0.4	9
51	Transplantation of Autologous Bone Marrow-Derived Cells into the Myocardium of Patients Undergoing Coronary Bypass. Heart Surgery Forum, 2005, 8, E348-E350.	0.2	9
52	Off-Pump Coronary Bypass Surgery Is Safe in Patients with a Low Ejection Fraction ($\leq 25\%$). Heart Surgery Forum, 2010, 13, E136-E142.	0.2	9
53	Post-ischaemic angiogenic therapy using in vivo prevascularized ascorbic acid-enriched myocardial artificial grafts improves heart function in a rat model. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 203-212.	1.3	8
54	Mitral valve repair in patients on chronic hemodialysis. Annals of Thoracic Surgery, 1992, 53, 341-342.	0.7	7

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55	Pulmonary blastoma in an adult presenting as a chronic loculated effusion: a diagnostic problem.. Thorax, 1994, 49, 838-839.	2.7	7
56	Establishment of a minimally invasive cardiac surgery programme in Singapore. Singapore Medical Journal, 2017, 58, 576-579.	0.3	7
57	Two-dimensional echocardiography and Doppler color flow abnormalities in aortic root dissection. American Heart Journal, 1988, 116, 192-194.	1.2	6
58	Comparison of extended reality and conventional methods of basic life support training: protocol for a multinational, pragmatic, noninferiority, randomised clinical trial (XR BLS trial). Trials, 2021, 22, 946.	0.7	6
59	Right-sided infective endocarditis: A Singapore experience. American Heart Journal, 1988, 116, 568-571.	1.2	5
60	CORONARY ARTERY BYPASS SURGERY IN YOUNG PATIENTS. ANZ Journal of Surgery, 1992, 62, 618-621.	0.3	4
61	Effect of left ventricular shape alteration on contractility and function. Journal of Medical Engineering and Technology, 2007, 31, 253-262.	0.8	4
62	Simple and quick repair of cardiac rupture due to blunt chest trauma. Asian Cardiovascular and Thoracic Annals, 2012, 20, 64-65.	0.2	4
63	Feasibility of Transapical Cardioscopic Surgery in a Pig Model. Journal of Cardiac Surgery, 2015, 30, 355-359.	0.3	4
64	Prevention of prosthetic valve endocarditis by impregnation of gentamicin into surgical pledgets. Biomaterials, 1996, 17, 1631-1637.	5.7	3
65	Surgical Coronary Revascularization in Severe Left Ventricular Dysfunction. Asian Cardiovascular and Thoracic Annals, 2007, 15, 14-18.	0.2	3
66	Intra-atrial embolus trapped in patent foramen ovale before systemic embolization. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, e49-e50.	0.4	3
67	A Novel and Simple Atrial Retractor. Annals of Thoracic Surgery, 2011, 91, 1634-1635.	0.7	3
68	Novel sutureless mitral valve implantation method involving a bayonet insertion and release mechanism: A proof of concept study in pigs. Journal of Thoracic and Cardiovascular Surgery, 2012, 143, 985-988.	0.4	3
69	Aortic Wall Extracellular Matrix Proteins Correlate with Syntax Score in Patients Undergoing Coronary Artery Bypass Surgery. Open Cardiovascular Medicine Journal, 2016, 10, 48-56.	0.6	3
70	Ethical and Design Issues in Heart Replacement in Asia. Artificial Organs, 2004, 28, 9-10.	1.0	2
71	False Aneurysm in Pulmonary Sequestration. Annals of Thoracic Surgery, 2004, 78, 1477.	0.7	2
72	Do Drug-Eluting Stents Mark the End of Coronary Artery Bypass Surgery?. Asian Cardiovascular and Thoracic Annals, 2005, 13, 1-3.	0.2	2

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73	A randomized, double-blind, placebo-controlled trial of a COX-2 inhibitor (Rofecoxib) in patients undergoing coronary artery bypass surgery. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2006, 5, 101-104.	0.5	2
74	From Vision to Mission in Myocardial Restoration. <i>Asian Cardiovascular and Thoracic Annals</i> , 2008, 16, 91-92.	0.2	2
75	International benchmarking of cardiac surgical activity and outcomes. <i>Asian Cardiovascular and Thoracic Annals</i> , 2012, 20, 9-11.	0.2	2
76	Distinctive pattern of LET-7B and MIR-30B in human aortic smooth muscle cells of myocardial infarction patients. <i>Atherosclerosis</i> , 2017, 263, e63.	0.4	2
77	Fibrosarcoma of the heart. <i>Heart</i> , 1998, 80, 369-369.	1.2	2
78	Metabolic profile of patients after elective open heart surgery. <i>Journal of Anesthesia</i> , 1993, 7, 131-138.	0.7	1
79	Cardiac herniation after resection of pericardial thymic cyst. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2005, 4, 350-351.	0.5	1
80	Anastomosis of Small Arteries: Implications for Coronary Artery Grafts in Asians. <i>Asian Cardiovascular and Thoracic Annals</i> , 2006, 14, 164-165.	0.2	1
81	Transcatheter aortic valve implantation: implications for Asian patients. <i>Asian Cardiovascular and Thoracic Annals</i> , 2013, 21, 396-401.	0.2	1
82	Hands across mountains: a view from Asia. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 43, 234-237.	0.6	1
83	Is continuation of antiplatelets until coronary artery bypass safe in Asians?. <i>Asian Cardiovascular and Thoracic Annals</i> , 2014, 22, 909-918.	0.2	1
84	Comprehensive and Integrative Experimentation Setup for Large Animal Hybrid Valvular Heart Surgery. <i>Journal of Surgical Research</i> , 2019, 234, 249-261.	0.8	1
85	Aortic root cardioplegia: An adequate method for myocardial protection in complete occlusion of the left main coronary artery. <i>The Asia Pacific Journal of Thoracic & Cardiovascular Surgery</i> , 1994, 3, 36-37.	0.0	0
86	The Trials and Tribulations of a Cardiac Surgeon. <i>Asian Cardiovascular and Thoracic Annals</i> , 1999, 7, 165-167.	0.2	0
87	Aortic Surgery in Asia. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2002, 14, 354-357.	0.4	0
88	Is there an evidence in favor of off-pump coronary artery bypass?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003, 126, 1668.	0.4	0
89	Combined Blunt Aortic and Bronchial Injury. <i>Annals of Thoracic Surgery</i> , 2004, 78, 2157-2159.	0.7	0
90	Failed Embolization of Pulmonary Arterio-Venous Malformations. <i>Asian Cardiovascular and Thoracic Annals</i> , 2007, 15, 76-77.	0.2	0

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91	Consequences of incomplete repair of acute type A aortic dissection. Interactive Cardiovascular and Thoracic Surgery, 2008, 7, 1121-1123.	0.5	0
92	The role of CABG in the era of drug-eluting stents: a surgeon's viewpoint. Heart Asia, 2010, 2, 7-10.	1.1	0
93	The modified Blalock-Taussig shunt revisited. Cardiology in the Young, 2010, 20, 208-209.	0.4	0
94	Patients with unstable angina and myocardial infarction expose remote VSMC phenotype switch and alteration in the proliferation of smooth muscular cell in the aortic wall. Journal of Cardiothoracic Surgery, 2015, 10, .	0.4	0
95	Coronavirus viability in surgical plume and methods for safe disposal: a preclinical model. British Journal of Surgery, 2021, , .	0.1	0
96	ACQUIRED CARINAL TRACHEO-OESOPHAGEAL FISTULA: CASE REPORT. Chest, 2006, 130, 349S.	0.4	0
97	The Role of Protein Deamidation in Cardiovascular Disease. , 2013, , .		0
98	Circulating Antibodies to Skin Bacteria Detected by Serological Lateral Flow Immunoassays Differentially Correlated With Bacterial Abundance. Frontiers in Microbiology, 2021, 12, 709562.	1.5	0