

Chuen Neng Lee

List of Publications by Year in descending order

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98
papers

7,096
citations

186209

28
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60583

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103
all docs

103
docs citations

103
times ranked

12289
citing authors

#	ARTICLE	IF	CITATIONS
1	The Gut-Skin Microbiota Axis and Its Role in Diabetic Wound Healingâ€”A Review Based on Current Literature. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2375.	1.8	22
2	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
3	Gut Microbiota Dysbiosis as a Target for Improved Post-Surgical Outcomes and Improved Patient Care: A Review of Current Literature. <i>Shock</i> , 2021, 55, 441-454.	1.0	11
4	Coronavirus viability in surgical plume and methods for safe disposal: a preclinical model. <i>British Journal of Surgery</i> , 2021, , .	0.1	0
5	Circulating Antibodies to Skin Bacteria Detected by Serological Lateral Flow Immunoassays Differentially Correlated With Bacterial Abundance. <i>Frontiers in Microbiology</i> , 2021, 12, 709562.	1.5	0
6	Comparison of extended reality and conventional methods of basic life support training: protocol for a multinational, pragmatic, noninferiority, randomised clinical trial (XR BLS trial). <i>Trials</i> , 2021, 22, 946.	0.7	6
7	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
8	Ambient and supplemental magnetic fields promote myogenesis <i>via</i> a TRPC1â€”mitochondrial axis: evidence of a magnetic mitohormetic mechanism. <i>FASEB Journal</i> , 2019, 33, 12853-12872.	0.2	37
9	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
10	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
11	Transcriptome alterations of vascular smooth muscle cells in aortic wall of myocardial infarction patients. <i>Data in Brief</i> , 2018, 17, 1112-1135.	0.5	13
12	Myocardial Injury Is Distinguished from Stable Angina by a Set of Candidate Plasma Biomarkers Identified Using iTRAQ/MRM-Based Approach. <i>Journal of Proteome Research</i> , 2018, 17, 499-515.	1.8	17
13	Peptideâ€”Functionalized Polyurethane Coatings Prepared via Graftingâ€”To Strategy to Selectively Promote Endothelialization. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700944.	3.9	30
14	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
15	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
16	Association analysis identifies 65 new breast cancer risk loci. <i>Nature</i> , 2017, 551, 92-94.	13.7	1,099
17	Monocyte adhesion to atherosclerotic matrix proteins is enhanced by Asn-Gly-Arg deamidation. <i>Scientific Reports</i> , 2017, 7, 5765.	1.6	23
18	Establishment of a minimally invasive cardiac surgery programme in Singapore. <i>Singapore Medical Journal</i> , 2017, 58, 576-579.	0.3	7

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19	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
20	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
21	Aortic Wall Extracellular Matrix Proteins Correlate with Syntax Score in Patients Undergoing Coronary Artery Bypass Surgery. <i>Open Cardiovascular Medicine Journal</i> , 2016, 10, 48-56.	0.6	3
22	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. <i>Journal of Cardiothoracic Surgery</i> , 2015, 10, .	0.4	0
23	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
24	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
25	Feasibility of Transapical Cardioscopic Surgery in a Pig Model. <i>Journal of Cardiac Surgery</i> , 2015, 30, 355-359.	0.3	4
26	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
27	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
28	Bio-Conjugated Polycaprolactone Membranes: A Novel Wound Dressing. <i>Archives of Plastic Surgery</i> , 2014, 41, 638-646.	0.4	18
29	Post-ischaemic angiogenic therapy using in vivo prevascularized ascorbic acid-enriched myocardial artificial grafts improves heart function in a rat model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013, 7, 203-212.	1.3	8
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	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
32	Transcatheter aortic valve implantation: implications for Asian patients. <i>Asian Cardiovascular and Thoracic Annals</i> , 2013, 21, 396-401.	0.2	1
33	Hands across mountains: a view from Asia. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 43, 234-237.	0.6	1
34	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
35	The Role of Protein Deamidation in Cardiovascular Disease. , 2013, , .		0
36	Simple and quick repair of cardiac rupture due to blunt chest trauma. <i>Asian Cardiovascular and Thoracic Annals</i> , 2012, 20, 64-65.	0.2	4

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37	International benchmarking of cardiac surgical activity and outcomes. <i>Asian Cardiovascular and Thoracic Annals</i> , 2012, 20, 9-11.	0.2	2
38	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
39	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
40	Novel sutureless mitral valve implantation method involving a bayonet insertion and release mechanism: A proof of concept study in pigs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 985-988.	0.4	3
41	A Novel and Simple Atrial Retractor. <i>Annals of Thoracic Surgery</i> , 2011, 91, 1634-1635.	0.7	3
42	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
43	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
44	Intra-atrial embolus trapped in patent foramen ovale before systemic embolization. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010, 139, e49-e50.	0.4	3
45	Exosome secreted by MSC reduces myocardial ischemia/reperfusion injury. <i>Stem Cell Research</i> , 2010, 4, 214-222.	0.3	1,831
46	The role of CABG in the era of drug-eluting stents: a surgeon's viewpoint. <i>Heart Asia</i> , 2010, 2, 7-10.	1.1	0
47	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
48	The modified Blalock-Taussig shunt revisited. <i>Cardiology in the Young</i> , 2010, 20, 208-209.	0.4	0
49	Mesenchymal stem cell secretes microparticles enriched in pre-microRNAs. <i>Nucleic Acids Research</i> , 2010, 38, 215-224.	6.5	562
50	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
51	Off-Pump Coronary Bypass Surgery Is Safe in Patients with a Low Ejection Fraction ($\leq 25\%$). <i>Heart Surgery Forum</i> , 2010, 13, E136-E142.	0.2	9
52	Off-pump coronary bypass grafting is safe and efficient in patients with left main disease and higher EuroScore†. <i>European Journal of Cardio-thoracic Surgery</i> , 2009, 36, 616-620.	0.6	15
53	Endovascular Management of Traumatic Thoracic Aortic Transection. <i>Asian Cardiovascular and Thoracic Annals</i> , 2009, 17, 458-461.	0.2	12
54	Development of cell-selective films for layered co-culturing of vascular progenitor cells. <i>Biomaterials</i> , 2009, 30, 2241-2251.	5.7	40

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55	Reduction of myocardial infarct size by human mesenchymal stem cell conditioned medium. <i>Stem Cell Research</i> , 2008, 1, 129-137.	0.3	531
56	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
57	Consequences of incomplete repair of acute type A aortic dissection. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2008, 7, 1121-1123.	0.5	0
58	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
59	From Vision to Mission in Myocardial Restoration. <i>Asian Cardiovascular and Thoracic Annals</i> , 2008, 16, 91-92.	0.2	2
60	Surgical Coronary Revascularization in Severe Left Ventricular Dysfunction. <i>Asian Cardiovascular and Thoracic Annals</i> , 2007, 15, 14-18.	0.2	3
61	Effect of left ventricular shape alteration on contractility and function. <i>Journal of Medical Engineering and Technology</i> , 2007, 31, 253-262.	0.8	4
62	Failed Embolization of Pulmonary Arterio-Venous Malformations. <i>Asian Cardiovascular and Thoracic Annals</i> , 2007, 15, 76-77.	0.2	0
63	Combined Open and Endovascular Repair of Acute Type A Aortic Dissection. <i>Annals of Thoracic Surgery</i> , 2007, 83, 666-668.	0.7	11
64	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
65	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
66	Characterization of smooth muscle cells on poly(μ -caprolactone) films. <i>Materials Science and Engineering C</i> , 2007, 27, 309-312.	3.8	40
67	Left ventricular shape-based contractility index. <i>Journal of Biomechanics</i> , 2006, 39, 2397-2409.	0.9	13
68	Expression of neuronal nitric oxide synthase in the internal thoracic artery and saphenous vein. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006, 132, 1131-1136.	0.4	16
69	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
70	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
71	ACQUIRED CARINAL TRACHEO-OESOPHAGEAL FISTULA: CASE REPORT. <i>Chest</i> , 2006, 130, 349S.	0.4	0
72	Cardiac herniation after resection of pericardial thymic cyst. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2005, 4, 350-351.	0.5	1

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73	Do Drug-Eluting Stents Mark the End of Coronary Artery Bypass Surgery?. Asian Cardiovascular and Thoracic Annals, 2005, 13, 1-3.	0.2	2
74	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
75	Ethical and Design Issues in Heart Replacement in Asia. Artificial Organs, 2004, 28, 9-10.	1.0	2
76	Combined Blunt Aortic and Bronchial Injury. Annals of Thoracic Surgery, 2004, 78, 2157-2159.	0.7	0
77	Pulmonary tumor embolism secondary to osteosarcoma. Annals of Thoracic Surgery, 2004, 77, 341.	0.7	15
78	False Aneurysm in Pulmonary Sequestration. Annals of Thoracic Surgery, 2004, 78, 1477.	0.7	2
79	Is there an evidence in favor of off-pump coronary artery bypass?. Journal of Thoracic and Cardiovascular Surgery, 2003, 126, 1668.	0.4	0
80	Aortic Surgery in Asia. Seminars in Thoracic and Cardiovascular Surgery, 2002, 14, 354-357.	0.4	0
81	The Trials and Tribulations of a Cardiac Surgeon. Asian Cardiovascular and Thoracic Annals, 1999, 7, 165-167.	0.2	0
82	Influence of surgery on aortic valve prolapse and aortic regurgitation in doubly committed subarterial ventricular septal defect. American Journal of Cardiology, 1999, 84, 1445-1448.	0.7	24
83	Outcome of surgical closure of doubly committed subarterial ventricular septal defect. Annals of Thoracic Surgery, 1999, 67, 736-738.	0.7	48
84	Fibrosarcoma of the heart. Heart, 1998, 80, 369-369.	1.2	2
85	Isolated right ventricular diverticulum with chest pain. International Journal of Cardiology, 1997, 59, 89-91.	0.8	13
86	Prevention of prosthetic valve endocarditis by impregnation of gentamicin into surgical pledgets. Biomaterials, 1996, 17, 1631-1637.	5.7	3
87	Pulmonary blastoma in an adult presenting as a chronic loculated effusion: a diagnostic problem.. Thorax, 1994, 49, 838-839.	2.7	7
88	Aortic root cardioplegia: An adequate method for myocardial protection in complete occlusion of the left main coronary artery. The Asia Pacific Journal of Thoracic & Cardiovascular Surgery, 1994, 3, 36-37.	0.0	0
89	Metabolic profile of patients after elective open heart surgery. Journal of Anesthesia, 1993, 7, 131-138.	0.7	1
90	Flow studies on atriopulmonary and cavopulmonary connections of the Fontan operations for congenital heart defects. Journal of Biomedical Engineering, 1993, 15, 303-307.	0.7	51

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91	Intravascular hemolysis after mitral valve repair: a word of caution. European Journal of Cardio-thoracic Surgery, 1992, 6, 103-105.	0.6	17
92	Mitral valve repair in patients on chronic hemodialysis. Annals of Thoracic Surgery, 1992, 53, 341-342.	0.7	7
93	CORONARY ARTERY BYPASS SURGERY IN YOUNG PATIENTS. ANZ Journal of Surgery, 1992, 62, 618-621.	0.3	4
94	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
95	Intra-atrial Smoke-like Echoes and Thrombi Formation. Chest, 1989, 95, 912-914.	0.4	9
96	Two-dimensional echocardiography and Doppler color flow abnormalities in aortic root dissection. American Heart Journal, 1988, 116, 192-194.	1.2	6
97	Right-sided infective endocarditis: A Singapore experience. American Heart Journal, 1988, 116, 568-571.	1.2	5
98	Hepatoolithiasis in East Asia retrospective study. Digestive Diseases and Sciences, 1986, 31, 21-26.	1.1	166