Dominique Shum-Tim

List of Publications by Year
in descending order

42 papers	1,011 citations	471477 17 h-index	434170 31 g-index
44 all docs	44 docs citations	44 times ranked	1779 citing authors

#	Article	IF	Citations
1	Human Serum Albumin Nanoparticles for Use in Cancer Drug Delivery: Process Optimization and In Vitro Characterization. Nanomaterials, 2016, 6, 116.	4.1	113
2	The Management of Chylothorax/Chylopericardium Following Pediatric Cardiac Surgery: A 10-Year Experience. Journal of Cardiac Surgery, 1995, 10, 302-308.	0.7	93
3	Age, atherosclerosis and type 2 diabetes reduce human mesenchymal stromal cell-mediated T-cell suppression. Stem Cell Research and Therapy, 2015, 6, 140.	5.5	65
4	The attenuation of restenosis following arterial gene transfer using carbon nanotube coated stent incorporating TAT/DNAAng1+Vegf nanoparticles. Biomaterials, 2012, 33, 7655-7664.	11.4	63
5	Lipoprotein(a) Induces Human Aortic Valve Interstitial Cell Calcification. JACC Basic To Translational Science, 2017, 2, 358-371.	4.1	63
6	Increased IL-6 secretion by aged human mesenchymal stromal cells disrupts hematopoietic stem and progenitor cells' homeostasis. Oncotarget, 2016, 7, 13285-13296.	1.8	61
7	Microencapsulation to reduce mechanical loss of microspheres: implications in myocardial cell therapy. European Journal of Cardio-thoracic Surgery, 2011, 39, 241-247.	1.4	47
8	A Proinflammatory Secretome Mediates the Impaired Immunopotency of Human Mesenchymal Stromal Cells in Elderly Patients with Atherosclerosis. Stem Cells Translational Medicine, 2017, 6, 1132-1140.	3.3	46
9	Mitochondrial Oxidative Stress Reduces the Immunopotency of Mesenchymal Stromal Cells in Adults With Coronary Artery Disease. Circulation Research, 2018, 122, 255-266.	4.5	46
10	Human multipotent mesenchymal stromal cells cytokine priming promotes RAB27B-regulated secretion of small extracellular vesicles with immunomodulatory cargo. Stem Cell Research and Therapy, 2020, 11, 539.	5.5	40
11	Intramyocardial sustained delivery of placental growth factor using nanoparticles as a vehicle for delivery in the rat infarct model. International Journal of Nanomedicine, 2011, 6, 2667.	6.7	38
12	Nanomedicine in cardiovascular therapy: recent advancements. Expert Review of Cardiovascular Therapy, 2012, 10, 805-815.	1.5	34
13	Neovascularization in Tissue Engineering. Cells, 2012, 1, 1246-1260.	4.1	34
14	Cardiac tissue engineering and regeneration using cell-based therapy. Stem Cells and Cloning: Advances and Applications, 2015, 8, 81.	2.3	34
15	Genipin-Cross-Linked Microencapsulated Human Adipose Stem Cells Augment Transplant Retention Resulting in Attenuation of Chronically Infarcted Rat Heart Fibrosis and Cardiac Dysfunction. Cell Transplantation, 2012, 21, 2735-2751.	2.5	33
16	Timing of steroid treatment is important for cerebral protection during cardiopulmonary bypass and circulatory arrest: minimal protection of pump prime methylprednisolone. European Journal of Cardio-thoracic Surgery, 2003, 24, 125-132.	1.4	26
17	Investigation on PEG Integrated Alginateâ€“Chitosan Microcapsules for Myocardial Therapy Using Marrow Stem Cells Genetically Modified by Recombinant Baculovirus. Cardiovascular Engineering and Technology, 2010, 1, 154-164.	1.6	23
18	Sustained release of milrinone delivered via microparticles in a rodent model of myocardial infarction. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2316-2324.	0.8	17

#	Article	IF	Citations
19	Novel Milrinone Nanoformulation for Use in Cardiovascular Diseases: Preparation and in Vitro Characterization. Molecular Pharmaceutics, 2018, 15, 2489-2502.	4.6	17
20	Intra-aortic balloon pump: current evidence & future perspectives. Future Cardiology, 2018, 14, 319-328.	1.2	16
21	Surgical extraction of occluded stents: when stenting becomes a problem. Interactive Cardiovascular and Thoracic Surgery, 2009, 9, 736-738.	1.1	14
22	Mid-Term Outcome and Angiographic Follow-Up of Endarterectomy of the Left Anterior Descending Artery in Patients Undergoing Coronary Artery Bypass Surgery. Journal of Cardiac Surgery, 2014, 29, 1-7.	0.7	14
23	Ex vivo Ikkî² ablation rescues the immunopotency of mesenchymal stromal cells from diabetics with advanced atherosclerosis. Cardiovascular Research, 2021, 117, 756-766.	3.8	10
24	Glucose and insulin administration while maintaining normoglycemia inhibits whole body protein breakdown and synthesis after cardiac surgery. Journal of Applied Physiology, 2014, 117, 1380-1387.	2.5	9
25	Hyperinsulinemic-normoglycemic clamp administered together with amino acids induces anabolism after cardiac surgery. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R1085-R1092.	1.8	9
26	Low postoperative hematocrit increases cerebrovascular damage after hypothermic circulatory arrest. Pediatric Critical Care Medicine, 2005, 6, 319-326.	0.5	7
27	Albumin Nanoparticle Formulation for Heart-Targeted Drug Delivery: In Vivo Assessment of Congestive Heart Failure. Pharmaceuticals, 2021, 14, 697.	3.8	7
28	The Enigma of Myocardial Preconditioning Models. Journal of Cardiac Surgery, 1994, 9, 532-536.	0.7	6
29	Synthesis and characterization of peptide conjugated human serum albumin nanoparticles for targeted cardiac uptake and drug delivery. PLoS ONE, 2021, 16, e0254305.	2.5	6
30	Early results of a modified biological valved conduit for the Bentall procedure. Journal of Cardiac Surgery, 2019, 34, 412-418.	0.7	4
31	Snare or Scalpel: Challenges of intracardiac cement embolism retrieval. Annals of Thoracic Surgery, 2021, , .	1.3	3
32	Parenteral amino acid supplementation with high-dose insulin prevents hypoaminoacidemia during cardiac surgery. Nutrition, 2020, 69, 110566.	2.4	2
33	Postoperative Nosocomial COVID 19 infection in Cardiac Surgery: An Uncommon event with High Mortality. CJC Open, 2021, 3, 1217-1220.	1.5	2
34	Transcatheter valve replacement: a revolution. Future Cardiology, 2020, 16, 309-316.	1.2	2
35	Poor Preoperative Left Ventricular Function is Associated With Decreased Insulin Sensitivity During Cardiac Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2014, 28, 631-634.	1.3	1
36	Incidental Finding of a Right Atrial Appendage Thrombus During Cardiac Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2016, 30, 1611-1613.	1.3	1

#	Article	IF	Citations
37	Marrow Stromal Cells as Universal Donor Cells for Cardiac Regenerative Therapy: Fact or Fancy?. , 2008, , 117-137.		1
38	Invited Commentary. Annals of Thoracic Surgery, 2010, 89, 179-180.	1.3	0
39	Invited Commentary. Annals of Thoracic Surgery, 2012, 94, 621.	1.3	0
40	Extracorporeal life support in fulminant myocarditis: on the side or in the centre?. European Journal of Cardio-thoracic Surgery, 2021, 60, 1193-1194.	1.4	0
41	Stem Cell Homing to Injury in Cellular Cardiomyoplasty. , 2008, , 85-104.		0
42	Redefining the bread and butter. European Journal of Cardio-thoracic Surgery, 2022, , .	1.4	0