

# Ming-Sing Si

## List of Publications by Year in descending order

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86  
papers

1,670  
citations

516710

16  
h-index

289244

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g-index

86  
all docs

86  
docs citations

86  
times ranked

1969  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevention of Organ Allograft Rejection by a Specific Janus Kinase 3 Inhibitor. <i>Science</i> , 2003, 302, 875-878.	12.6	630
2	Immunosuppression by the JAK3 Inhibitor CP-690,550 Delays Rejection and Significantly Prolongs Kidney Allograft Survival in Nonhuman Primates. <i>Transplantation</i> , 2005, 79, 791-801.	1.0	99
3	Analysis of Cervical Esophagogastric Anastomotic Leaks After Transhiatal Esophagectomy: Risk Factors, Presentation, and Detection. <i>Annals of Thoracic Surgery</i> , 2009, 88, 177-185.	1.3	94
4	Early experience with the HeartMate 3 continuous-flow ventricular assist device in pediatric patients and patients with congenital heart disease: A multicenter registry analysis. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 573-579.	0.6	83
5	Effects of JAK3 Inhibition with CP-690,550 on Immune Cell Populations and Their Functions in Nonhuman Primate Recipients of Kidney Allografts. <i>Transplantation</i> , 2005, 80, 1283-1292.	1.0	81
6	Prevalence of metastases in hepatocellular carcinoma: risk factors and impact on survival. <i>American Surgeon</i> , 2003, 69, 879-85.	0.8	72
7	Short-term experience of porcine small intestinal submucosa patches in paediatric cardiovascular surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 44, 72-76.	1.4	67
8	Evaluation of Explanted CorMatrix Intracardiac Patches in Children With Congenital Heart Disease. <i>Annals of Thoracic Surgery</i> , 2016, 102, 1329-1335.	1.3	43
9	Berlin Heart EXCOR and ACTION post-approval surveillance study report. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 251-259.	0.6	40
10	Janus kinase 3 inhibition with CP-690,550 prevents allograft vasculopathy. <i>Transplant International</i> , 2006, 19, 1014-1021.	1.6	39
11	Relationship of Ventricular Morphology and Atrioventricular Valve Function to Long-Term Outcomes Following Fontan Procedures. <i>Journal of the American College of Cardiology</i> , 2020, 76, 419-431.	2.8	39
12	Berlin heart ventricular assist device as a long-term bridge to transplantation in a Fontan patient with failing single ventricle. <i>Pediatric Transplantation</i> , 2015, 19, E193-5.	1.0	36
13	Recent innovations in perfusion and cardiopulmonary bypass for neonatal and infant cardiac surgery. <i>Translational Pediatrics</i> , 2018, 7, 139-150.	1.2	24
14	Prevention of chronic rejection by pravastatin in a rat kidney transplant model. <i>Transplantation</i> , 2002, 74, 821-827.	1.0	21
15	Perillyl Alcohol Inhibits TCR-Mediated [Ca <sup>2+</sup> ] <sub>i</sub> Signaling, Alters Cell Shape and Motility, and Induces Apoptosis in T Lymphocytes. <i>Cellular Immunology</i> , 2000, 201, 6-13.	3.0	19
16	Aortic Valve Repair Using Geometric Ring Annuloplasty. <i>Operative Techniques in Thoracic and Cardiovascular Surgery</i> , 2021, 26, 173-188.	0.3	18
17	Effects of Scaffold Material Used in Cardiovascular Surgery on Mesenchymal Stem Cells and Cardiac Progenitor Cells. <i>Annals of Thoracic Surgery</i> , 2015, 99, 605-611.	1.3	17
18	Stem cell therapy for the systemic right ventricle. <i>Expert Review of Cardiovascular Therapy</i> , 2017, 15, 813-823.	1.5	15

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19	Human Thymus Mesenchymal Stromal Cells Augment Force Production in Self-Organized Cardiac Tissue. <i>Annals of Thoracic Surgery</i> , 2010, 90, 796-804.	1.3	14
20	Aortic valve repair for tri-leaflet aortic insufficiency associated with asymmetric aortic root aneurysms. <i>Annals of Cardiothoracic Surgery</i> , 2019, 8, 426-429.	1.7	14
21	Regenerative Medicine Strategies for Hypoplastic Left Heart Syndrome. <i>Tissue Engineering - Part B: Reviews</i> , 2016, 22, 459-469.	4.8	13
22	Human Neonatal Thymus Mesenchymal Stem Cells Promote Neovascularization and Cardiac Regeneration. <i>Stem Cells International</i> , 2018, 2018, 1-7.	2.5	13
23	SLIT3 deficiency attenuates pressure overload-induced cardiac fibrosis and remodeling. <i>JCI Insight</i> , 2020, 5, .	5.0	13
24	Characterization and Angiogenic Potential of Human Neonatal and Infant Thymus Mesenchymal Stromal Cells. <i>Stem Cells Translational Medicine</i> , 2015, 4, 339-350.	3.3	10
25	Left Ventricular Retraining: Theory and Practice. <i>Pediatric Cardiac Surgery Annual</i> , 2015, 18, 40-42.	1.2	10
26	Stereoscopic Three-Dimensional Visualization for Congenital Heart Surgery Planning: Surgeons' Perspectives. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 775-777.	2.8	10
27	Mesenchymal Stem/Stromal Cells from Discarded Neonatal Sternal Tissue: In Vitro Characterization and Angiogenic Properties. <i>Stem Cells International</i> , 2016, 2016, 1-10.	2.5	9
28	Heart Transplantation for <i>TANGO2</i> -Related Metabolic Encephalopathy and Arrhythmia Syndrome Associated Cardiomyopathy. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e002928.	3.6	9
29	Early results of geometric ring annuloplasty for bicuspid aortic valve repair during aortic aneurysm surgery. <i>JTCVS Techniques</i> , 2022, 14, 55-65.	0.4	9
30	A simple model for myocardial changes in a failing heart. <i>International Journal of Non-Linear Mechanics</i> , 2015, 68, 132-145.	2.6	7
31	Use of the total artificial heart as a bridge to transplant in a 13-year-old with congenitally corrected transposition of the great arteries. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, e71-e73.	0.8	7
32	Human Neonatal Thymus Mesenchymal Stem/Stromal Cells and Chronic Right Ventricle Pressure Overload. <i>Bioengineering</i> , 2019, 6, 15.	3.5	7
33	Mechanical Circulatory Support for the Failing Fontan: Conversion to Assisted Single Ventricle Circulation Preliminary Observations. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , 2018, 9, 31-37.	0.8	6
34	Intraoperative Coronary Artery Imaging for Planning. <i>Pediatric Cardiac Surgery Annual</i> , 2020, 23, 11-16.	1.2	6
35	Autologous Cardiac Stem Cell Injection in Patients with Hypoplastic Left Heart Syndrome (CHILD) Tj ETQq1 1 0.784314 rgBT /Overload	1.3	6
36	Early Outcomes of Patients Undergoing Neo-aortic Valve Repair Incorporating Geometric Ring Annuloplasty. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , 2022, 13, 304-309.	0.8	6

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37	Shunt choice in single right ventricle patients: an update. <i>Expert Review of Cardiovascular Therapy</i> , 2013, 11, 1691-1700.	1.5	5
38	Modified Hemi-Fontan Procedure. <i>Operative Techniques in Thoracic and Cardiovascular Surgery</i> , 2013, 18, 117-123.	0.3	5
39	How I Teach the Norwood Procedure. <i>Annals of Thoracic Surgery</i> , 2016, 101, 2045-2048.	1.3	5
40	Giant aortic aneurysm in a child with Takayasu arteritis. <i>Cardiology in the Young</i> , 2016, 26, 593-595.	0.8	5
41	Tissue-specific angiogenic and invasive properties of human neonatal thymus and bone MSCs: Role of SLIT3-ROBO1. <i>Stem Cells Translational Medicine</i> , 2020, 9, 1102-1113.	3.3	5
42	Risk factors for heart transplant survival with greater than 5% of donor heart ischemic time. <i>Journal of Cardiac Surgery</i> , 2021, 36, 2677-2684.	0.7	5
43	Evaluation of Explanted CorMatrix Tyke Extracardiac Patches in Infants With Congenital Heart Disease. <i>Annals of Thoracic Surgery</i> , 2021, 112, 1518-1522.	1.3	5
44	Expanded polytetrafluoroethylene right ventricle to pulmonary artery conduit: Time to adopt?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 1637-1638.	0.8	4
45	Right heart failure considerations in pediatric ventricular assist devices. <i>Pediatric Transplantation</i> , 2021, 25, e13990.	1.0	4
46	"Near death" thromboembolic episode following device closure of atrial septal defect. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016, 23, 340-341.	1.1	2
47	MicroRNA-30a lysyl oxidase axis in aortic dissection pathogenesis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 1870-1871.	0.8	2
48	Mechanical circulatory support for the failing functional single ventricle. <i>Translational Pediatrics</i> , 2017, 5, 59-61.	1.2	2
49	Open melody implant in a vascular graft—An alternative to the bioprosthetic valve?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 742-743.	0.8	2
50	The potential of pedicled pericardium. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, e15-e16.	0.8	1
51	Innovation in pediatric cardiac care. <i>Translational Pediatrics</i> , 2018, 7, 82-82.	1.2	1
52	Resource use in neonatal cardiac surgery: Lacking details. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 2615-2616.	0.8	1
53	Rotational thromboelastometry and aortic surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 1058.	0.8	1
54	Commentary: Polymer prosthetic heart valves—A new era. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 1817-1818.	0.8	1

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55	Commentary: Using microRNAs as biomarkers in pediatric cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 1541-1542.	0.8	1
56	Commentary: Why use the Y-graft?. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 662-664.	0.8	1
57	Commentary: U-CIRP-ing the neurological effects of deep hypothermic circulatory arrest. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 2449-2450.	0.8	1
58	Older patients with anomalous origin of the pulmonary artery from the ascending aorta: Guidance via lung biopsy. Journal of Cardiac Surgery, 2020, 35, 437-440.	0.7	1
59	Commentary: Modified frozen elephant trunk. Journal of Thoracic and Cardiovascular Surgery, 2020, , .	0.8	1
60	The Interdisciplinary Stem Cell Institute's Use of Food and Drug Administration-Expanded Access Guidelines to Provide Experimental Cell Therapy to Patients With Rare Serious Diseases. Frontiers in Cell and Developmental Biology, 2021, 9, 675738.	3.7	1
61	Ex Vivo Heart Perfusion for Pediatric Transplant Patients: A New Path Toward Expanding the Donor Pool for Kids?. Annals of Thoracic Surgery, 2021, 112, 1281.	1.3	1
62	Cost-effectiveness of implantable ventricular assist devices in older children with stable, inotrope-dependent dilated cardiomyopathy. Pediatric Transplantation, 2021, 25, e13975.	1.0	1
63	Defining ductal tissue. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 1457-1458.	0.8	0
64	Salvaging patients with extracorporeal life support resuscitation. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 1140-1141.	0.8	0
65	Curbing chyle leaks. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, e57-e58.	0.8	0
66	Coning down on the effects of an left ventricular assist device engineering enhancement. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 217-218.	0.8	0
67	Passing on pediatric donors hearts: Picky or prudent?. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 537-538.	0.8	0
68	Principles of venovenous extracorporeal membrane oxygenation. Journal of Thoracic and Cardiovascular Surgery, 2017, 153, e53-e54.	0.8	0
69	Engineering Parts for Children With Congenital Heart Disease: Promises and Challenges. Seminars in Thoracic and Cardiovascular Surgery, 2018, 30, 180-181.	0.6	0
70	Temporary external flow mechanical circulatory support: Going with the flow?. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 166-167.	0.8	0
71	Delirium postcardiac surgery: Intellectual insufficiency and insufficiently understood. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 276-277.	0.8	0
72	Overcoming bumps to build little pumps. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 1652-1653.	0.8	0

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73	Commentary: Valve-sparing approach to the hypoplastic pulmonary valve in tetralogy of Fallot repair. Journal of Thoracic and Cardiovascular Surgery, 2019, 158, e57-e58.	0.8	0
74	Commentary: Vascular conduits modified by gene therapy. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 2254-2255.	0.8	0
75	Improving left ventricular assist devices: Engineer to decrease the shear. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 602.	0.8	0
76	Commentary: Promise of personalized tissue-engineered vascular grafts for congenital heart surgery. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 1984-1985.	0.8	0
77	Commentary: Aortic aneurysms are not created equal. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, e261-e262.	0.8	0
78	Commentary: Vascularization and perfusion of engineered tissues. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 2008-2009.	0.8	0
79	Commentary: Danger of fluoroquinolones in Marfan syndrome. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, e228-e229.	0.8	0
80	Commentary: Full-service salvage operation. JTCVS Techniques, 2020, 2, 126-127.	0.4	0
81	Commentary: Finding the best pulmonary bioprosthetic valve: An unobtainable target?. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, 487-488.	0.8	0
82	Commentary: On aortic uncrossing: New variation on an old controversy. JTCVS Techniques, 2021, 5, 97-98.	0.4	0
83	Generation of Human Cardiomyocytes for Cardiac Regenerative Therapies: Differentiation and Direct Reprogramming. Current Pharmaceutical Design, 2014, 20, 2012-2022.	1.9	0
84	Commentary: Novel repair technique for scimitar syndrome. JTCVS Techniques, 2020, 4, 217-218.	0.4	0
85	Commentary: Staged cone repair for Ebstein anomaly. JTCVS Techniques, 2020, 3, 288-289.	0.4	0
86	Surgical treatment of Loeys-Dietz syndrome in a 3-year-old: case report and review of literature. Translational Pediatrics, 2020, 9, 695-701.	1.2	0