

Masaaki Sato

List of Publications by Year in descending order

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96
papers

3,997
citations

218381

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123241

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all docs

99
docs citations

99
times ranked

3409
citing authors

#	ARTICLE	IF	CITATIONS
1	Normothermic Ex Vivo Lung Perfusion in Clinical Lung Transplantation. <i>New England Journal of Medicine</i> , 2011, 364, 1431-1440.	13.9	898
2	Technique for Prolonged Normothermic Ex Vivo Lung Perfusion. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 1319-1325.	0.3	441
3	Restrictive allograft syndrome (RAS): A novel form of chronic lung allograft dysfunction. <i>Journal of Heart and Lung Transplantation</i> , 2011, 30, 735-742.	0.3	405
4	Restrictive allograft syndrome post lung transplantation is characterized by pleuroparenchymal fibroelastosis. <i>Modern Pathology</i> , 2013, 26, 350-356.	2.9	203
5	Chronic lung allograft dysfunction: Definition and update of restrictive allograft syndrome—A consensus report from the Pulmonary Council of the ISHLT. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 483-492.	0.3	190
6	Use of virtual assisted lung mapping (VAL-MAP), a bronchoscopic multispot dye-marking technique using virtual images, for precise navigation of thoracoscopic sublobar lung resection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 1813-1819.	0.4	130
7	An Immunogram for the Cancer-Immunity Cycle: Towards Personalized Immunotherapy of Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2017, 12, 791-803.	0.5	127
8	Living-donor lobar lung transplantation provides similar survival to cadaveric lung transplantation even for very ill patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, 967-973.	0.6	92
9	Bronchiolitis Obliterans Syndrome: Alloimmune-Dependent and -Independent Injury with Aberrant Tissue Remodeling. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2008, 20, 173-182.	0.4	84
10	Revisiting the pathologic finding of diffuse alveolar damage after lung transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2012, 31, 354-363.	0.3	70
11	The Role of Intrapulmonary De Novo Lymphoid Tissue in Obliterative Bronchiolitis after Lung Transplantation. <i>Journal of Immunology</i> , 2009, 182, 7307-7316.	0.4	69
12	Registry of the Japanese Society of Lung and Heart—Lung Transplantation: official Japanese lung transplantation report, 2014. <i>General Thoracic and Cardiovascular Surgery</i> , 2014, 62, 594-601.	0.4	69
13	Prediction and prioritization of neoantigens: integration of <i>scRNA-seq</i> sequencing data with whole-exome sequencing. <i>Cancer Science</i> , 2017, 108, 170-177.	1.7	63
14	Virtual-assisted lung mapping: outcome of 100 consecutive cases in a single institute. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, e131-e139.	0.6	58
15	Effect of virtual-assisted lung mapping in acquisition of surgical margins in sublobar lung resection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 1691-1701.e5.	0.4	55
16	β 2-Adrenoreceptor Agonist Inhalation During Ex Vivo Lung Perfusion Attenuates Lung Injury. <i>Annals of Thoracic Surgery</i> , 2015, 100, 480-486.	0.7	46
17	International Society for Heart and Lung Transplantation consensus statement for the standardization of bronchoalveolar lavage in lung transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 1171-1190.	0.3	42
18	Stromal Activation and Formation of Lymphoid-Like Stroma in Chronic Lung Allograft Dysfunction. <i>Transplantation</i> , 2011, 91, 1398-1405.	0.5	39

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19	Techniques of stapler-based navigational thoracoscopic segmentectomy using virtual assisted lung mapping (VAL-MAP). <i>Journal of Thoracic Disease</i> , 2016, 8, S716-S730.	0.6	39
20	Time-dependent changes in the risk of death in pure bronchiolitis obliterans syndrome (BOS). <i>Journal of Heart and Lung Transplantation</i> , 2013, 32, 484-491.	0.3	38
21	Outcomes of marginal donors for lung transplantation after ex vivo lung perfusion: A systematic review and meta-analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 720-730.e6.	0.4	38
22	Low-dose computed tomography volumetry for subtyping chronic lung allograft dysfunction. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 59-66.	0.3	37
23	Safety and reproducibility of virtual-assisted lung mapping: a multicentre study in Japan. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 51, ezw395.	0.6	35
24	Plasmin administration during ex vivo lung perfusion ameliorates lung ischemia-reperfusion injury. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 1093-1099.	0.3	30
25	Concepts and techniques: how to determine and identify the appropriate target segment in anatomical pulmonary segmentectomy?. <i>Journal of Thoracic Disease</i> , 2019, 11, 972-986.	0.6	30
26	Postoperative pulmonary function and complications in living-donor lobectomy. <i>Journal of Heart and Lung Transplantation</i> , 2015, 34, 1089-1094.	0.3	29
27	Precise sublobar lung resection for small pulmonary nodules: localization and beyond. <i>General Thoracic and Cardiovascular Surgery</i> , 2020, 68, 684-691.	0.4	29
28	Identification of Individual Cancer-Specific Somatic Mutations for Neoantigen-Based Immunotherapy of Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2016, 11, 324-333.	0.5	28
29	Spread through air spaces is an independent predictor of recurrence in stage III (N2) lung adenocarcinoma. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 29, 442-448.	0.5	28
30	Halofuginone treatment reduces interleukin-17A and ameliorates features of chronic lung allograft dysfunction in a mouse orthotopic lung transplant model. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 518-527.	0.3	26
31	Unilateral chronic lung allograft dysfunction is a characteristic of bilateral living-donor lobar lung transplantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 48, 463-469.	0.6	25
32	Adoptive transfer of zoledronate-expanded autologous CD137 ^{hi} T-cells in patients with treatment-refractory non-small-cell lung cancer: a multicenter, open-label, single-arm, phase 2 study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 8, e001185.		22
33	A novel combined ex vivo and in vivo lentiviral interleukin-10 gene delivery strategy at the time of transplantation decreases chronic lung allograft rejection in mice. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 1305-1315.	0.4	21
34	A meta-analysis of preoperative bronchoscopic marking for pulmonary nodules. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, 40-50.	0.6	21
35	Role of post-mapping computed tomography in virtual-assisted lung mapping. <i>Asian Cardiovascular and Thoracic Annals</i> , 2017, 25, 123-130.	0.2	20
36	High CCR4 expression in the tumor microenvironment is a poor prognostic indicator in lung adenocarcinoma. <i>Journal of Thoracic Disease</i> , 2018, 10, 4741-4750.	0.6	20

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37	Thoracoscopic wedge lung resection using virtual-assisted lung mapping. <i>Asian Cardiovascular and Thoracic Annals</i> , 2015, 23, 46-54.	0.2	19
38	Virtual-Assisted Lung Mapping 2.0: Preoperative Bronchoscopic Three-Dimensional Lung Mapping. <i>Annals of Thoracic Surgery</i> , 2019, 108, 269-273.	0.7	19
39	Regression of Allograft Airway Fibrosis. <i>American Journal of Pathology</i> , 2011, 179, 1287-1300.	1.9	17
40	Low truncal muscle area on chest computed tomography: a poor prognostic factor for the cure of early-stage non-small-cell lung cancer. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 414-420.	0.6	17
41	Lung allocation score and health-related quality of life in Japanese candidates for lung transplantation. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015, 21, 28-33.	0.5	15
42	Association of Local Intrapulmonary Production of Antibodies Specific to Donor Major Histocompatibility Complex Class I With the Progression of Chronic Rejection of Lung Allografts. <i>Transplantation</i> , 2017, 101, e156-e165.	0.5	14
43	Protocol for the VAL-MAP 2.0 trial: a multicentre, single-arm, phase III trial to evaluate the effectiveness of virtual-assisted lung mapping by bronchoscopic dye injection and microcoil implementation in patients with small pulmonary nodules in Japan. <i>BMJ Open</i> , 2019, 9, e028018.	0.8	14
44	Japanese Version of the Mobile App Rating Scale (MARS): Development and Validation. <i>JMIR MHealth and UHealth</i> , 2022, 10, e33725.	1.8	14
45	Combined virtual-assisted lung mapping (VAL-MAP) with CT-guided localization in thoracoscopic pulmonary segmentectomy. <i>Asian Journal of Surgery</i> , 2019, 42, 488-494.	0.2	13
46	Chronic lung allograft dysfunction post-lung transplantation: The era of bronchiolitis obliterans syndrome and restrictive allograft syndrome. <i>World Journal of Transplantation</i> , 2020, 10, 104-116.	0.6	13
47	Flat Chest of Pleuroparenchymal Fibroelastosis Reversed by Lung Transplantation. <i>Annals of Thoracic Surgery</i> , 2016, 102, e347-e349.	0.7	12
48	Use of electromagnetic navigation bronchoscopy in virtual-assisted lung mapping: the effect of on-site adjustment. <i>General Thoracic and Cardiovascular Surgery</i> , 2019, 67, 1062-1069.	0.4	12
49	Preoperative lung surface localization for pulmonary wedge resection: a single-center experience. <i>Journal of Thoracic Disease</i> , 2020, 12, 2129-2136.	0.6	12
50	The role of virtual-assisted lung mapping 2.0 combining microcoils and dye marks in deep lung resection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, 243-251.e5.	0.4	12
51	Gene Therapy in Lung Transplantation. <i>Current Gene Therapy</i> , 2006, 6, 439-458.	0.9	11
52	LPS-induced Airway-centered Inflammation Leading to BOS-like Airway Remodeling Distinct From RAS-like Fibrosis in Rat Lung Transplantation. <i>Transplantation</i> , 2020, 104, 1150-1158.	0.5	11
53	Novel thermographic detection of regional malperfusion caused by a thrombosis during ex vivo lung perfusion. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015, 20, 242-247.	0.5	10
54	Emphysematous lungs do not affect visibility of virtual-assisted lung mapping. <i>Asian Cardiovascular and Thoracic Annals</i> , 2016, 24, 152-157.	0.2	10

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55	Improved visualization of virtual-assisted lung mapping by indocyanine green. JTCVS Techniques, 2021, 10, 542-549.	0.2	10
56	Virtual assisted lung mapping: navigational thoracoscopic lung resection. Cancer Research Frontiers, 2016, 2, 85-104.	0.2	9
57	Upregulation of alveolar neutrophil enzymes and long pentraxin-3 in human chronic lung allograft dysfunction subtypes. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 2774-2776.e2.	0.4	7
58	Rat lung transplantation model: modifications of the cuff technique. Annals of Translational Medicine, 2020, 8, 407-407.	0.7	7
59	Outcomes of lung transplantation for idiopathic pleuroparenchymal fibroelastosis. Surgery Today, 2021, 51, 1276-1284.	0.7	7
60	Lung Transplantation for Pleuroparenchymal Fibroelastosis. Journal of Clinical Medicine, 2021, 10, 957.	1.0	7
61	Effect of patient position during virtual-assisted lung mapping. Journal of Thoracic Disease, 2019, 11, 162-170.	0.6	6
62	Virtual-assisted lung mapping in sublobar resection of small pulmonary nodules, long-term results. European Journal of Cardio-thoracic Surgery, 2022, 61, 761-768.	0.6	6
63	Risk Factors for Invisible Intraoperative Markings After Virtual-Assisted Lung Mapping. Annals of Thoracic Surgery, 2022, 114, 1903-1910.	0.7	6
64	The role of virtual-assisted lung mapping in the resection of ground glass nodules. Journal of Thoracic Disease, 2018, 10, 2638-2647.	0.6	5
65	Differences Between Patients With Idiopathic Pleuroparenchymal Fibroelastosis and Those With Other Types of Idiopathic Interstitial Pneumonia in Candidates for Lung Transplants. Transplantation Proceedings, 2019, 51, 2014-2021.	0.3	5
66	Latest update about virtual-assisted lung mapping in thoracic surgery. Annals of Translational Medicine, 2019, 7, 36-36.	0.7	5
67	Living-Donor Lobar Lung Transplantation for Treatment of Idiopathic Pulmonary Arterial Hypertension With Severe Pulmonary Arterial Dilation. Annals of Thoracic Surgery, 2014, 97, e149.	0.7	4
68	Management of lung nodules newly found by virtual-assisted lung mapping: a case report. Surgical Case Reports, 2017, 3, 49.	0.2	4
69	Bilateral segmentectomies using virtual-assisted lung mapping (VAL-MAP) for metastatic lung tumors. Surgical Case Reports, 2017, 3, 104.	0.2	4
70	Three-dimensional imaging for thoracoscopic resection of complex lung anomalies. Surgical Case Reports, 2017, 3, 106.	0.2	4
71	Strategies to improve the accuracy of lung stapling in uniportal and multiportal thoracoscopic sublobar lung resections. European Journal of Cardio-thoracic Surgery, 2020, 58, i108-i110.	0.6	4
72	Managing screening-detected subsolid nodules—the Asian perspective. Translational Lung Cancer Research, 2021, 10, 2323-2334.	1.3	4

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73	Virtual-assisted lung mapping using dual staining with indocyanine green and indigo carmine enhanced marking detectability. <i>Journal of Thoracic Disease</i> , 2022, 14, 1061-1069.	0.6	4
74	Noninvasive monitoring of allograft rejection in a rat lung transplant model: Application of machine learning-based 18F-fluorodeoxyglucose positron emission tomography radiomics. <i>Journal of Heart and Lung Transplantation</i> , 2022, 41, 722-731.	0.3	4
75	Rapid imaging of lung cancer using a red fluorescent probe to detect dipeptidyl peptidase 4 and puromycin-sensitive aminopeptidase activities. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
76	Successful Single-Lung Transplantation for Multicentric Castleman Disease. <i>Annals of Thoracic Surgery</i> , 2014, 98, e63-e65.	0.7	3
77	Squamous cell carcinoma of the lung showing a ground glass nodule on high-resolution computed tomography associated with pneumoconiosis: a case report. <i>Surgical Case Reports</i> , 2017, 3, 107.	0.2	3
78	The AMAGAMI technique: an easy technique to achieve precise stapling in thoracoscopic segmentectomy. <i>Journal of Thoracic Disease</i> , 2019, 11, 276-279.	0.6	3
79	Successful angioplasties using high pressure large balloons in a patient with severe anastomotic pulmonary artery stenosis soon after single-lung transplantation. <i>Journal of Cardiology Cases</i> , 2020, 22, 22-25.	0.2	3
80	Current status of inhaled nitric oxide therapy for lung transplantation in Japan: a nationwide survey. <i>General Thoracic and Cardiovascular Surgery</i> , 2021, 69, 1421-1431.	0.4	3
81	Lung transplant after long-term veno-venous extracorporeal membrane oxygenation: a case report. <i>Journal of Cardiothoracic Surgery</i> , 2021, 16, 246.	0.4	3
82	Resection of Clustered Arteriovenous Malformations to Avoid Lung Transplantation. <i>Annals of Thoracic Surgery</i> , 2021, 112, e253-e256.	0.7	3
83	Exacerbation of Secondary Pulmonary Hypertension by Flat Chest after Lung Transplantation. <i>Annals of Thoracic and Cardiovascular Surgery</i> , 2022, 28, 298-301.	0.3	3
84	Metaplastic thymoma with myasthenia gravis presumably caused by an accumulation of intratumoral immature T cells: a case report. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 15375-80.	0.5	3
85	Development and validation of the Japanese version of the uMARS (user version of the mobile app) Tj ETQq1 1 0.784314 rgBT ₃ /Overlo	1.6	3
86	É-glutamyl hydroxymethyl rhodamine green fluorescence as a prognostic indicator for lung cancer. <i>General Thoracic and Cardiovascular Surgery</i> , 2020, 68, 1418-1424.	0.4	2
87	Familial interstitial pneumonia revealed after living-donor lobar lung transplantation. <i>Annals of Thoracic Surgery</i> , 2021, 112, e365-e368.	0.7	1
88	Pediatric living donor lobar lung transplantation in postpneumonectomy-like anatomy caused by pulmonary hypoplasia with congenital diaphragmatic hernia. <i>American Journal of Transplantation</i> , 2021, 21, 3461-3464.	2.6	1
89	Palpitation and virtual-assisted lung mapping: not mutually exclusive but complementary to facilitate sublobar lung resection. <i>Journal of Thoracic Disease</i> , 2021, 13, 3927-3929.	0.6	1
90	Management of Partial Anomalous Pulmonary Venous Return In Lung Transplantation. <i>Annals of Thoracic Surgery</i> , 2021, 112, e95-e97.	0.7	1

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91	Effect of intraoperative needle biopsy on the survival of nonsmall cell lung cancer patients: a propensity score matching analysis. <i>Surgery Today</i> , 2022, 52, 1497-1503.	0.7	1
92	All things are created twice: the importance of planning and reproduction in sublobar lung resection. <i>Journal of Thoracic Disease</i> , 2018, 10, S3200-S3202.	0.6	0
93	Native Lung Pulmonary Artery Banding After Single-Lung Transplant for Obliterative Bronchiolitis. <i>Annals of Thoracic Surgery</i> , 2021, 111, e253-e255.	0.7	0
94	Lung autotransplantation for bronchial necrosis after radiotherapy: a case report. <i>Surgical Case Reports</i> , 2021, 7, 79.	0.2	0
95	Intrabronchial migration of hemostatic agent through a bronchial fistula after lung transplantation: a case report. <i>Surgical Case Reports</i> , 2021, 7, 116.	0.2	0
96	Thoracic mediastinal-occupying ratio predicts recovery and prognosis after lung transplantation. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2022, , .	0.5	0