

Martin Sigurdsson

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

4,383
citations

257429

24
h-index

118840

62
g-index

111
all docs

111
docs citations

111
times ranked

10170
citing authors

#	ARTICLE	IF	CITATIONS
1	A community-driven global reconstruction of human metabolism. <i>Nature Biotechnology</i> , 2013, 31, 419-425.	17.5	920
2	Humoral Immune Response to SARS-CoV-2 in Iceland. <i>New England Journal of Medicine</i> , 2020, 383, 1724-1734.	27.0	845
3	Intra-individual Change Over Time in DNA Methylation With Familial Clustering. <i>JAMA - Journal of the American Medical Association</i> , 2008, 299, 2877.	7.4	602
4	A Polymorphism in IRF4 Affects Human Pigmentation through a Tyrosinase-Dependent MITF/TFAP2A Pathway. <i>Cell</i> , 2013, 155, 1022-1033.	28.9	184
5	A detailed genome-wide reconstruction of mouse metabolism based on human Recon 1. <i>BMC Systems Biology</i> , 2010, 4, 140.	3.0	147
6	Atrial fibrillation following cardiac surgery: risk analysis and long-term survival. <i>Journal of Cardiothoracic Surgery</i> , 2012, 7, 87.	1.1	120
7	Improvement of Psoriasis after Tonsillectomy Is Associated with a Decrease in the Frequency of Circulating T Cells That Recognize Streptococcal Determinants and Homologous Skin Determinants. <i>Journal of Immunology</i> , 2012, 188, 5160-5165.	0.8	97
8	Clinical Symptoms in Adults with Selective IgA Deficiency: A Case-Control Study. <i>Journal of Clinical Immunology</i> , 2013, 33, 742-747.	3.8	94
9	Acute respiratory distress syndrome: nationwide changes in incidence, treatment and mortality over 23 years. <i>Acta Anaesthesiologica Scandinavica</i> , 2013, 57, 37-45.	1.6	86
10	Acute Kidney Injury After Abdominal Surgery: Incidence, Risk Factors, and Outcome. <i>Anesthesia and Analgesia</i> , 2016, 122, 1912-1920.	2.2	83
11	Diagnostic Surgical Lung Biopsies for Suspected Interstitial Lung Diseases: A Retrospective Study. <i>Annals of Thoracic Surgery</i> , 2009, 88, 227-232.	1.3	73
12	Incidental Detection of Renal Cell Carcinoma is an Independent Prognostic Marker: Results of a Long-Term, Whole Population Study. <i>Journal of Urology</i> , 2012, 187, 48-53.	0.4	58
13	HapMap methylation-associated SNPs, markers of germline DNA methylation, positively correlate with regional levels of human meiotic recombination. <i>Genome Research</i> , 2009, 19, 581-589.	5.5	57
14	Clinical spectrum of coronavirus disease 2019 in Iceland: population based cohort study. <i>BMJ</i> , The, 2020, 371, m4529.	6.0	50
15	Acute Kidney Injury After Acute Repair of Type A Aortic Dissection. <i>Annals of Thoracic Surgery</i> , 2021, 111, 1292-1298.	1.3	49
16	Temporary autonomic modulation with botulinum toxin type A to reduce atrial fibrillation after cardiac surgery. <i>Heart Rhythm</i> , 2019, 16, 178-184.	0.7	47
17	Association Between Preoperative Opioid and Benzodiazepine Prescription Patterns and Mortality After Noncardiac Surgery. <i>JAMA Surgery</i> , 2019, 154, e191652.	4.3	35
18	New-onset postoperative atrial fibrillation after heart surgery. <i>Acta Anaesthesiologica Scandinavica</i> , 2020, 64, 145-155.	1.6	35

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19	Contribution of Baroreceptor Function to Pain Perception and Perioperative Outcomes. <i>Anesthesiology</i> , 2019, 130, 634-650.	2.5	33
20	Patient-reported Outcomes and Clinical Response in Patients with Moderate-to-severe Plaque Psoriasis Treated with Tonsillectomy: A Randomized Controlled Trial. <i>Acta Dermato-Venereologica</i> , 2017, 97, 340-345.	1.3	32
21	Health-related quality of life (HRQL) in immunodeficient adults with selective IgA deficiency compared with age- and gender-matched controls and identification of risk factors for poor HRQL. <i>Quality of Life Research</i> , 2014, 23, 645-658.	3.1	31
22	Integrated microRNA and mRNA responses to acute human left ventricular ischemia. <i>Physiological Genomics</i> , 2015, 47, 455-462.	2.3	30
23	Renal recovery and long-term survival following acute kidney injury after coronary artery surgery: a nationwide study. <i>Acta Anaesthesiologica Scandinavica</i> , 2016, 60, 1230-1240.	1.6	29
24	Short- and long-term mortality after deep sternal wound infection following cardiac surgery: experiences from SWEDEHEART. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 60, 233-241.	1.4	28
25	HLA-Cw6 homozygosity in plaque psoriasis is associated with streptococcal throat infections and pronounced improvement after tonsillectomy: A prospective case series. <i>Journal of the American Academy of Dermatology</i> , 2016, 75, 889-896.	1.2	27
26	Synchronous Pulmonary Metastases from Renal Cell Carcinoma – A Whole Nation Study on Prevalence and Potential Resectability. <i>Scandinavian Journal of Surgery</i> , 2012, 101, 160-165.	2.6	23
27	Kidney function following partial or radical nephrectomy for renal cell carcinoma: A population-based study. <i>Scandinavian Journal of Urology</i> , 2013, 47, 476-482.	1.0	23
28	The Long Noncoding RNA Landscape of the Ischemic Human Left Ventricle. <i>Circulation: Cardiovascular Genetics</i> , 2017, 10, .	5.1	22
29	Duration of Postoperative Atrial Fibrillation After Cardiac Surgery Is Associated With Worsened Long-Term Survival. <i>Annals of Thoracic Surgery</i> , 2016, 102, 2018-2026.	1.3	21
30	Genome-scale network analysis of imprinted human metabolic genes. <i>Epigenetics</i> , 2009, 4, 43-46.	2.7	20
31	Acute kidney injury following coronary angiography: a nationwide study of incidence, risk factors and long-term outcomes. <i>Journal of Nephrology</i> , 2018, 31, 721-730.	2.0	19
32	Improved long-term survival and renal recovery after acute kidney injury in hospitalized patients: A 20-year experience. <i>Nephrology</i> , 2016, 21, 1027-1033.	1.6	18
33	Should the dilated ascending aorta be repaired at the time of bicuspid aortic valve replacement? <i>European Journal of Cardio-thoracic Surgery</i> , 2018, 53, 560-568.	1.4	18
34	Post-operative atrial fibrillation examined using whole-genome RNA sequencing in human left atrial tissue. <i>BMC Medical Genomics</i> , 2017, 10, 25.	1.5	16
35	The distribution of a germline methylation marker suggests a regional mechanism of LINE-1 silencing by the piRNA-PIWI system. <i>BMC Genetics</i> , 2012, 13, 31.	2.7	15
36	The impact of tumour size on the probability of synchronous metastasis and survival in renal cell carcinoma patients: a population-based study. <i>BMC Urology</i> , 2014, 14, 72.	1.4	15

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37	Total population-based study of the impact of substance use disorders on the overall survival of psychiatric inpatients. <i>Nordic Journal of Psychiatry</i> , 2016, 70, 161-166.	1.3	15
38	The demographics of persistent opioid consumption following limb amputation. <i>Acta Anaesthesiologica Scandinavica</i> , 2020, 64, 361-367.	1.6	14
39	A descriptive study of the surge response and outcomes of ICU patients with COVID-19 during first wave in Nordic countries. <i>Acta Anaesthesiologica Scandinavica</i> , 2022, 66, 56-64.	1.6	14
40	Acute kidney injury in intensive care units according to RIFLE classification: a population-based study. <i>Acta Anaesthesiologica Scandinavica</i> , 2012, 56, 1291-1297.	1.6	13
41	Resection rate and operability of elderly patients with non-small cell lung cancer: Nationwide study from 1991 to 2014. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2017, 24, 733-739.	1.1	13
42	Postoperative Acute Kidney Injury: Focus on Renal Recovery Definitions, Kidney Disease Progression and Survival. <i>American Journal of Nephrology</i> , 2019, 49, 175-185.	3.1	13
43	Nationwide Incidence and Outcomes of Patients With Coronavirus Disease 2019 Requiring Intensive Care in Iceland. <i>Critical Care Medicine</i> , 2020, 48, e1102-e1105.	0.9	13
44	Throat Infections are Associated with Exacerbation in a Substantial Proportion of Patients with Chronic Plaque Psoriasis. <i>Acta Dermato-Venereologica</i> , 2014, 96, 788-91.	1.3	11
45	Airflow obstruction, atherosclerosis and cardiovascular risk factors in the AGES Reykjavik study. <i>Atherosclerosis</i> , 2016, 252, 122-127.	0.8	11
46	A retrospective cohort study on the association between elevated preoperative red cell distribution width and all-cause mortality after noncardiac surgery. <i>British Journal of Anaesthesia</i> , 2020, 124, 718-725.	3.4	11
47	Reconstruction of a large-scale outbreak of SARS-CoV-2 infection in Iceland informs vaccination strategies. <i>Clinical Microbiology and Infection</i> , 2022, 28, 852-858.	6.0	11
48	Surviving sepsis campaign: International guidelines for management of sepsis and septic shock in adults 2021 endorsement by the Scandinavian society of anaesthesiology and intensive care medicine. <i>Acta Anaesthesiologica Scandinavica</i> , 2022, 66, 634-635.	1.6	11
49	Prediction of survival in patients suspected of disseminated intravascular coagulation. <i>Acta Anaesthesiologica Scandinavica</i> , 2015, 59, 870-880.	1.6	10
50	Genetic Variants Associated With Atrial Fibrillation and PR Interval Following Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, 605-610.	1.3	10
51	Postoperative Acute Kidney Injury Is Associated With Progression of Chronic Kidney Disease Independent of Severity. <i>Anesthesia and Analgesia</i> , 2022, 134, 49-58.	2.2	10
52	Management of acute atrial fibrillation in the intensive care unit: An international survey. <i>Acta Anaesthesiologica Scandinavica</i> , 2022, 66, 375-385.	1.6	9
53	Lobectomy for non-small cell lung carcinoma: a nationwide study of short- and long-term survival. <i>Acta Oncologica</i> , 2017, 56, 936-942.	1.8	8
54	Comparison of Preoperative Assessment of Patient's Metabolic Equivalents (METs) Estimated from History versus Measured by Exercise Cardiac Stress Testing. <i>Anesthesiology Research and Practice</i> , 2018, 2018, 1-5.	0.7	8

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55	Validation of the Hospital Frailty Risk Score in older surgical patients: A population-based retrospective cohort study. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, 65, 1033-1042.	1.6	8
56	Genome-Scale Methods Converge on Key Mitochondrial Genes for the Survival of Human Cardiomyocytes in Hypoxia. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 407-415.	5.1	7
57	Severe vitamin D deficiency is common in critically ill patients at a high northern latitude. <i>Acta Anaesthesiologica Scandinavica</i> , 2016, 60, 1289-1296.	1.6	7
58	Favourable long-term outcome after coronary artery bypass grafting in a nationwide cohort. <i>Scandinavian Cardiovascular Journal</i> , 2017, 51, 327-333.	1.2	7
59	Temporal trends in the epidemiology, management, and outcome of sepsis—A nationwide observational study. <i>Acta Anaesthesiologica Scandinavica</i> , 2022, 66, 497-506.	1.6	7
60	Vitamin D deficiency in anesthesia department caregivers at the end of winter. <i>Acta Anaesthesiologica Scandinavica</i> , 2014, 58, 802-806.	1.6	6
61	Rhythm is a dancer: the immediate management of postoperative atrial fibrillation following cardiac surgery. <i>Annals of Translational Medicine</i> , 2016, 4, S32-S32.	1.7	6
62	Mental disorder, imprisonment and reduced life expectancy — A nationwide psychiatric inpatient cohort study. <i>Criminal Behaviour and Mental Health</i> , 2016, 26, 6-17.	0.8	6
63	Allele-specific expression in the human heart and its application to postoperative atrial fibrillation and myocardial ischemia. <i>Genome Medicine</i> , 2016, 8, 127.	8.2	6
64	Incidental detection by computed tomography is an independent prognostic factor for survival in patients operated for nonsmall cell lung carcinoma. <i>ERJ Open Research</i> , 2017, 3, 00106-2016.	2.6	6
65	Genomics of Cardiovascular Measures of Autonomic Tone. <i>Journal of Cardiovascular Pharmacology</i> , 2018, 71, 180-191.	1.9	6
66	Mild Stage 1 post-operative acute kidney injury: association with chronic kidney disease and long-term survival. <i>CKJ: Clinical Kidney Journal</i> , 2021, 14, 237-244.	2.9	6
67	The Incidence of New Persistent Opioid Use Following Cardiac Surgery via Sternotomy. <i>Annals of Thoracic Surgery</i> , 2022, 113, 33-40.	1.3	6
68	A Giant Unruptured Aneurysm of the Sinus of Valsalva Together With Ectasia of the Left Coronary Artery. <i>Annals of Thoracic Surgery</i> , 2011, 92, 354-356.	1.3	5
69	Distribution of a marker of germline methylation differs between major families of transposon-derived repeats in the human genome. <i>Gene</i> , 2012, 492, 104-109.	2.2	5
70	Bronchovenous Fistula Causing Bleeding and Air Embolism: an Unusual Complication of Bronchoscopic Tumor Resection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 681-682.	5.6	4
71	Long-term survival after intensive care: A retrospective cohort study. <i>Acta Anaesthesiologica Scandinavica</i> , 2020, 64, 75-84.	1.6	4
72	Reoperation for bleeding following coronary artery bypass surgery with special focus on long-term outcomes. <i>Scandinavian Cardiovascular Journal</i> , 2020, 54, 265-273.	1.2	4

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73	Sequence variants in malignant hyperthermia genes in Iceland: classification and actionable findings in a population database. <i>European Journal of Human Genetics</i> , 2021, 29, 1819-1824.	2.8	4
74	Novel and Annotated Long Noncoding RNAs Associated with Ischemia in the Human Heart. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11324.	4.1	4
75	Regional anaesthesia in patients on antithrombotic drugs – a joint <sc>ESAIC</sc>/<sc>ESRA</sc> guideline: Endorsement by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. <i>Acta Anaesthesiologica Scandinavica</i> , 2022, 66, 887-889.	1.6	4
76	Lower mortality following coronary arterial revascularization in patients taking statins. <i>Scandinavian Cardiovascular Journal</i> , 2012, 46, 353-358.	1.2	3
77	Venovenous extracorporeal membrane oxygenation treatment in a low-volume and geographically isolated cardiothoracic centre. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 879-884.	1.6	3
78	Therapeutics and COVID-19 – A living WHO guideline: Endorsement by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. <i>Acta Anaesthesiologica Scandinavica</i> , 2022, , .	1.6	3
79	A total population-based cohort study of female psychiatric inpatients who have served a prison sentence. <i>Criminal Behaviour and Mental Health</i> , 2015, 25, 220-225.	0.8	2
80	Perioperative genomics: coming soon to (operating) theatres near you. <i>Canadian Journal of Anaesthesia</i> , 2016, 63, 382-385.	1.6	2
81	Latent classes in diagnoses among psychiatric inpatients predicting mortality and imprisonment – A nationwide cohort study. <i>European Psychiatry</i> , 2017, 39, 93-98.	0.2	2
82	Prospective study on long-term outcome after abdominal surgery. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 147-158.	1.6	2
83	Abdominal Gunshot Causing Ventricular Septal Injury Without Perforation into the Pericardium. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 772-775.	1.3	2
84	Sepsis after elective surgery – Incidence, aetiology and outcome. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, 65, 457-465.	1.6	2
85	A retrospective study on adherence to secondary prevention medications after coronary bypass surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 62, .	1.4	2
86	Favorable Survival after Aortic Valve Replacement Compared to the General Population. <i>Journal of Heart Valve Disease</i> , 2016, 25, 8-13.	0.5	2
87	Longitudinal changes in inflammatory biomarkers among patients with <sc>COVID</sc>-19: a nationwide study in Iceland. <i>Acta Anaesthesiologica Scandinavica</i> , 0, , .	1.6	2
88	A nationwide study on characteristics and outcome of cancer patients with sepsis requiring intensive care. <i>Acta Oncologica</i> , 2022, 61, 946-954.	1.8	2
89	Utility of Angle Correction for Hemodynamic Measurements with Doppler Echocardiography. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, 1768-1774.	1.3	1
90	Iodinated contrast for patients with chronic kidney disease – writing on the wall or free for all?. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 876-878.	2.0	1

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91	Clinical practice guideline on the management of septic shock and sepsis-associated organ dysfunction in children: Endorsement by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. Acta Anaesthesiologica Scandinavica, 2021, 65, 1365-1366.	1.6	1
92	Transfusion strategies in bleeding critically ill adults: A clinical practice guideline from the European Society of Intensive Care Medicine: Endorsement by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. Acta Anaesthesiologica Scandinavica, 2022, , .	1.6	1
93	Long-term survival of Icelandic women following acute myocardial infarction. Scandinavian Cardiovascular Journal, 2022, 56, 114-120.	1.2	1
94	Lung Isolation in a patient with a difficult airway: nasal intubation and EZâ€B blocker. Anaesthesia Cases, 2016, 4, 1-4.	0.0	0
95	The importance of recovery of renal function following acute kidney injury after <scp>CABG</scp>. Acta Anaesthesiologica Scandinavica, 2016, 60, 1483-1483.	1.6	0
96	TCT-375 Renal impairment is primarily caused by patient and procedural complexity â€“ Nationwide study of Acute Kidney Injury Following Coronary Angiography and Intervention. Journal of the American College of Cardiology, 2016, 68, B153.	2.8	0
97	Improved long-term outcome of surgical AVR for AS: Results from a populationâ€based cohort. Journal of Cardiac Surgery, 2019, 34, 1235-1242.	0.7	0
98	Long-term outcome of surgical revascularisation in patients with reduced left ventricular ejection fractionâ€”a population based cohort study. Interactive Cardiovascular and Thoracic Surgery, 2022, , .	1.1	0
99	Utilization and outcomes of tracheostomies in the intensive care unit in Iceland in 2007â€2020: A descriptive study. Acta Anaesthesiologica Scandinavica, 2022, 66, 996-1002.	1.6	0