

Michael A Solomon

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,168
citations

257101

24
h-index

233125

45
g-index

52
all docs

52
docs citations

52
times ranked

3077
citing authors

#	ARTICLE	IF	CITATIONS
1	Native-resolution myocardial principal Eulerian strain mapping using convolutional neural networks and Tagged Magnetic Resonance Imaging. <i>Computers in Biology and Medicine</i> , 2022, 141, 105041.	3.9	2
2	A pragmatic lab-based tool for risk assessment in cardiac critical care: data from the Critical Care Cardiology Trials Network (CCCTN) Registry. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2022, 11, 252-257.	0.4	3
3	Mineralocorticoid receptor antagonist treatment of established pulmonary arterial hypertension improves interventricular dependence in the SU5416-hypoxia rat model. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L315-L332.	1.3	4
4	Epidemiology and outcomes of pulmonary hypertension in the cardiac intensive care unit. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2022, 11, 230-241.	0.4	9
5	Higher levels of allograft injury in black patients early after heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2022, 41, 855-858.	0.3	11
6	Venoarterial Extracorporeal Membrane Oxygenation in Cardiogenic Shock: Lifeline of Modern Day CICU. <i>Journal of Intensive Care Medicine</i> , 2021, 36, 290-303.	1.3	7
7	Pulmonary arterial hypertension patients display normal kinetics of clot formation using thrombelastography. <i>Pulmonary Circulation</i> , 2021, 11, 1-9.	0.8	3
8	De Novo vs Acute-on-Chronic Presentations of Heart Failure-Related Cardiogenic Shock: Insights from the Critical Care Cardiology Trials Network Registry. <i>Journal of Cardiac Failure</i> , 2021, 27, 1073-1081.	0.7	37
9	Direct pixel to pixel principal strain mapping from tagging MRI using end to end deep convolutional neural network (DeepStrain). <i>Scientific Reports</i> , 2021, 11, 23021.	1.6	1
10	Meta-analysis of blood genome-wide expression profiling studies in pulmonary arterial hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L98-L111.	1.3	31
11	Contemporary Management of Severe Acute Kidney Injury and Refractory Cardiorenal Syndrome. <i>Journal of the American College of Cardiology</i> , 2020, 76, 1084-1101.	1.2	55
12	Advanced Respiratory Support in the Contemporary Cardiac ICU. , 2020, 2, e0182.		23
13	2020 ACC/HFSA/ISHLT Lifelong Learning Statement for Advanced Heart Failure and Transplant Cardiology Specialists. <i>Journal of Cardiac Failure</i> , 2020, 26, 254-269.	0.7	3
14	COVID-19 and Disruptive Modifications to Cardiac Critical Care Delivery. <i>Journal of the American College of Cardiology</i> , 2020, 76, 72-84.	1.2	51
15	2019 ACC/AHA/ASE Advanced Training Statement on Echocardiography (Revision of the 2003 ACC/AHA) Tj ETQq1 1 0.784314 rgBT Committee. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 919-943.	1.2	25
16	Demographics, Care Patterns, and Outcomes of Patients Admitted to Cardiac Intensive Care Units. <i>JAMA Cardiology</i> , 2019, 4, 928.	3.0	139
17	Clinical Practice Patterns in Temporary Mechanical Circulatory Support for Shock in the Critical Care Cardiology Trials Network (CCCTN) Registry. <i>Circulation: Heart Failure</i> , 2019, 12, e006635.	1.6	58
18	Role of Critical Care Medicine Training in the Cardiovascular Intensive Care Unit: Survey Responses From Dual Certified Critical Care Cardiologists. <i>Journal of the American Heart Association</i> , 2019, 8, e011721.	1.6	22

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19	Epidemiology of Shock in Contemporary Cardiac Intensive Care Units. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019, 12, e005618.	0.9	232
20	Challenges in Pulmonary Hypertension: Controversies in Treating the Tip of the Iceberg. A Joint National Institutes of Health Clinical Center and Pulmonary Hypertension Association Symposium Report. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 166-174.	2.5	17
21	Does HIV Really Augment the Frequency or Mortality Risk of Increased Pulmonary Artery Systolic Pressures?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 854-855.	2.5	0
22	Spironolactone-induced degradation of the TFIH core complex XPB subunit suppresses NF- κ B and AP-1 signalling. <i>Cardiovascular Research</i> , 2018, 114, 65-76.	1.8	27
23	Use of sacubitril/valsartan in acute decompensated heart failure: a case report. <i>ESC Heart Failure</i> , 2018, 5, 184-188.	1.4	7
24	Positive Pressure Ventilation in the Cardiac Intensive Care Unit. <i>Journal of the American College of Cardiology</i> , 2018, 72, 1532-1553.	1.2	122
25	Reply to Voelkel and Newman: The Light at the End of the Long Pulmonary Hypertension Tunnel Brightens. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 820-821.	2.5	0
26	Pulmonary tumor thrombotic microangiopathy and pulmonary veno-occlusive disease in a woman with cervical cancer treated with cediranib and durvalumab. <i>BMC Pulmonary Medicine</i> , 2018, 18, 112.	0.8	8
27	The Road Toward Precision in PH: Personal Omics, Phenomics, and Wearables—Oh My!. <i>Advances in Pulmonary Hypertension</i> , 2018, 17, 141-147.	0.1	1
28	Applying rigor and reproducibility standards to assay donor-derived cell-free DNA as a non-invasive method for detection of acute rejection and graft injury after heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 1004-1012.	0.3	45
29	Advanced Percutaneous Mechanical Circulatory Support Devices for Cardiogenic Shock. <i>Critical Care Medicine</i> , 2017, 45, 1922-1929.	0.4	63
30	Organizational Structure, Staffing, Resources, and Educational Initiatives in Cardiac Intensive Care Units in the United States. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2017, 10, e003864.	0.9	36
31	Raf/ERK drives the proliferative and invasive phenotype of BMPR2-silenced pulmonary artery endothelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L187-L201.	1.3	39
32	Isolation of a circulating CD45-, CD34dim cell population and validation of their endothelial phenotype. <i>Thrombosis and Haemostasis</i> , 2014, 112, 770-780.	1.8	4
33	Washing older blood units before transfusion reduces plasma iron and improves outcomes in experimental canine pneumonia. <i>Blood</i> , 2014, 123, 1403-1411.	0.6	64
34	A pilot study of the effect of spironolactone therapy on exercise capacity and endothelial dysfunction in pulmonary arterial hypertension: study protocol for a randomized controlled trial. <i>Trials</i> , 2013, 14, 91.	0.7	26
35	Mortality increases after massive exchange transfusion with older stored blood in canines with experimental pneumonia. <i>Blood</i> , 2013, 121, 1663-1672.	0.6	156
36	Circulating Mononuclear Cell Gene Expression Signatures In Pulmonary Arterial Hypertension Reflect Both Treatment And Disease Specific Effects. , 2011, , .		1

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37	Caloric restriction in leptin deficiency does not correct myocardial steatosis: failure to normalize PPAR α /PGC1 α and thermogenic glycerolipid/fatty acid cycling. <i>Physiological Genomics</i> , 2011, 43, 726-738.	1.0	21
38	Host-Based Th2 Cell Therapy for Prolongation of Cardiac Allograft Viability. <i>PLoS ONE</i> , 2011, 6, e18885.	1.1	8
39	Microarray-Based Characterization of a Colony Assay Used to Investigate Endothelial Progenitor Cells and Relevance to Endothelial Function in Humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 121-127.	1.1	33
40	Impact of animal strain on gene expression in a rat model of acute cardiac rejection. <i>BMC Genomics</i> , 2009, 10, 280.	1.2	3
41	Effects of intra-aortic balloon counterpulsation in a model of septic shock*. <i>Critical Care Medicine</i> , 2009, 37, 7-18.	0.4	22
42	A canine model of septic shock: balancing animal welfare and scientific relevance. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H2487-H2500.	1.5	33
43	Amplified Expression Profiling of Platelet Transcriptome Reveals Changes in Arginine Metabolic Pathways in Patients With Sickle Cell Disease. <i>Circulation</i> , 2007, 115, 1551-1562.	1.6	126
44	A unique population of effector memory lymphocytes identified by CD146 having a distinct immunophenotypic and genomic profile. <i>BMC Immunology</i> , 2007, 8, 29.	0.9	44
45	CD146 (Mel-CAM), an adhesion marker of endothelial cells, is a novel marker of lymphocyte subset activation in normal peripheral blood. <i>Blood</i> , 2005, 106, 2923-2924.	0.6	103
46	Detection of circulating endothelial cells and endothelial progenitor cells by flow cytometry. <i>Cytometry Part B - Clinical Cytometry</i> , 2005, 64B, 1-8.	0.7	277
47	An integrated ^2H and ^{13}C NMR study of gluconeogenesis and TCA cycle flux in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E848-E856.	1.8	108
48	Tailored therapy using dobutamine and nitroglycerin in advanced heart failure. <i>American Journal of Cardiology</i> , 1999, 84, 941-943.	0.7	7
49	^{13}C NMR measurements of human gluconeogenic fluxes after ingestion of [U- ^{13}C]propionate, phenylacetate, and acetaminophen. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998, 275, E843-E852.	1.8	30
50	The MR Appearance of Volume Overload in the Lower Extremities. <i>Journal of Computer Assisted Tomography</i> , 1997, 21, 969-973.	0.5	6
51	Substrate selection early after reperfusion of ischemic regions in the working rabbit heart. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 820-826.	1.9	14