

Michael A Solomon

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,168
citations

257450
24
h-index

233421
45
g-index

52
all docs

52
docs citations

52
times ranked

3077
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of circulating endothelial cells and endothelial progenitor cells by flow cytometry. Cytometry Part B - Clinical Cytometry, 2005, 64B, 1-8.	1.5	277
2	Epidemiology of Shock in Contemporary Cardiac Intensive Care Units. Circulation: Cardiovascular Quality and Outcomes, 2019, 12, e005618.	2.2	232
3	Mortality increases after massive exchange transfusion with older stored blood in canines with experimental pneumonia. Blood, 2013, 121, 1663-1672.	1.4	156
4	Demographics, Care Patterns, and Outcomes of Patients Admitted to Cardiac Intensive Care Units. JAMA Cardiology, 2019, 4, 928.	6.1	139
5	Amplified Expression Profiling of Platelet Transcriptome Reveals Changes in Arginine Metabolic Pathways in Patients With Sickle Cell Disease. Circulation, 2007, 115, 1551-1562.	1.6	126
6	Positive Pressure Ventilation in the Cardiac Intensive Care Unit. Journal of the American College of Cardiology, 2018, 72, 1532-1553.	2.8	122
7	An integrated ² H and ¹³ C NMR study of gluconeogenesis and TCA cycle flux in humans. American Journal of Physiology - Endocrinology and Metabolism, 2001, 281, E848-E856.	3.5	108
8	CD146 (Mel-CAM), an adhesion marker of endothelial cells, is a novel marker of lymphocyte subset activation in normal peripheral blood. Blood, 2005, 106, 2923-2924.	1.4	103
9	Washing older blood units before transfusion reduces plasma iron and improves outcomes in experimental canine pneumonia. Blood, 2014, 123, 1403-1411.	1.4	64
10	Advanced Percutaneous Mechanical Circulatory Support Devices for Cardiogenic Shock. Critical Care Medicine, 2017, 45, 1922-1929.	0.9	63
11	Clinical Practice Patterns in Temporary Mechanical Circulatory Support for Shock in the Critical Care Cardiology Trials Network (CCCTN) Registry. Circulation: Heart Failure, 2019, 12, e006635.	3.9	58
12	Contemporary Management of Severe Acute Kidney Injury and Refractory Cardiorenal Syndrome. Journal of the American College of Cardiology, 2020, 76, 1084-1101.	2.8	55
13	COVID-19 and Disruptive Modifications to Cardiac Critical Care Delivery. Journal of the American College of Cardiology, 2020, 76, 72-84.	2.8	51
14	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. Journal of Heart and Lung Transplantation, 2017, 36, 1004-1012.	0.6	45
15	A unique population of effector memory lymphocytes identified by CD146 having a distinct immunophenotypic and genomic profile. BMC Immunology, 2007, 8, 29.	2.2	44
16	Raf/ERK drives the proliferative and invasive phenotype of BMPR2-silenced pulmonary artery endothelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L187-L201.	2.9	39
17	De Novo vs Acute-on-Chronic Presentations of Heart Failure-Related Cardiogenic Shock: Insights from the Critical Care Cardiology Trials Network Registry. Journal of Cardiac Failure, 2021, 27, 1073-1081.	1.7	37
18	Organizational Structure, Staffing, Resources, and Educational Initiatives in Cardiac Intensive Care Units in the United States. Circulation: Cardiovascular Quality and Outcomes, 2017, 10, e003864.	2.2	36

#	ARTICLE	IF	CITATIONS
19	A canine model of septic shock: balancing animal welfare and scientific relevance. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2487-H2500.	3.2	33
20	Microarray-Based Characterization of a Colony Assay Used to Investigate Endothelial Progenitor Cells and Relevance to Endothelial Function in Humans. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 121-127.	2.4	33
21	Meta-analysis of blood genome-wide expression profiling studies in pulmonary arterial hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L98-L111.	2.9	31
22	¹³ C NMR measurements of human gluconeogenic fluxes after ingestion of [U- ¹³ C]propionate, phenylacetate, and acetaminophen. American Journal of Physiology - Endocrinology and Metabolism, 1998, 275, E843-E852.	3.5	30
23	Spironolactone-induced degradation of the TFIIH core complex XPB subunit suppresses NF- κ B and AP-1 signalling. Cardiovascular Research, 2018, 114, 65-76.	3.8	27
24	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. Trials, 2013, 14, 91.	1.6	26
25	2019 ACC/AHA/ASE Advanced Training Statement on Echocardiography (Revision of the 2003 ACC/AHA) Tj ETQq1 1 0.784314 rgBT /O Committee. Journal of the American Society of Echocardiography, 2019, 32, 919-943.	2.8	25
26	Advanced Respiratory Support in the Contemporary Cardiac ICU. , 2020, 2, e0182.		23
27	Effects of intra-aortic balloon counterpulsation in a model of septic shock*. Critical Care Medicine, 2009, 37, 7-18.	0.9	22
28	Role of Critical Care Medicine Training in the Cardiovascular Intensive Care Unit: Survey Responses From Dual Certified Critical Care Cardiologists. Journal of the American Heart Association, 2019, 8, e011721.	3.7	22
29	Caloric restriction in leptin deficiency does not correct myocardial steatosis: failure to normalize PPARG/PGC1 α and thermogenic glycerolipid/fatty acid cycling. Physiological Genomics, 2011, 43, 726-738.	2.3	21
30	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. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 166-174.	5.6	17
31	Substrate selection early after reperfusion of ischemic regions in the working rabbit heart. Magnetic Resonance in Medicine, 1996, 35, 820-826.	3.0	14
32	Higher levels of allograft injury in black patients early after heart transplantation. Journal of Heart and Lung Transplantation, 2022, 41, 855-858.	0.6	11
33	Epidemiology and outcomes of pulmonary hypertension in the cardiac intensive care unit. European Heart Journal: Acute Cardiovascular Care, 2022, 11, 230-241.	1.0	9
34	Pulmonary tumor thrombotic microangiopathy and pulmonary veno-occlusive disease in a woman with cervical cancer treated with cediranib and durvalumab. BMC Pulmonary Medicine, 2018, 18, 112.	2.0	8
35	Host-Based Th2 Cell Therapy for Prolongation of Cardiac Allograft Viability. PLoS ONE, 2011, 6, e18885.	2.5	8
36	Tailored therapy using dobutamine and nitroglycerin in advanced heart failure. American Journal of Cardiology, 1999, 84, 941-943.	1.6	7

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37	Use of sacubitril/valsartan in acute decompensated heart failure: a case report. ESC Heart Failure, 2018, 5, 184-188.	3.1	7
38	Venoarterial Extracorporeal Membrane Oxygenation in Cardiogenic Shock: Lifeline of Modern Day CICU. Journal of Intensive Care Medicine, 2021, 36, 290-303.	2.8	7
39	The MR Appearance of Volume Overload in the Lower Extremities. Journal of Computer Assisted Tomography, 1997, 21, 969-973.	0.9	6
40	Isolation of a circulating CD45-, CD34dim cell population and validation of their endothelial phenotype. Thrombosis and Haemostasis, 2014, 112, 770-780.	3.4	4
41	Mineralocorticoid receptor antagonist treatment of established pulmonary arterial hypertension improves interventricular dependence in the SU5416-hypoxia rat model. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L315-L332.	2.9	4
42	Impact of animal strain on gene expression in a rat model of acute cardiac rejection. BMC Genomics, 2009, 10, 280.	2.8	3
43	2020 ACC/HFSA/ISHLT Lifelong Learning Statement for Advanced Heart Failure and Transplant Cardiology Specialists. Journal of Cardiac Failure, 2020, 26, 254-269.	1.7	3
44	Pulmonary arterial hypertension patients display normal kinetics of clot formation using thrombelastography. Pulmonary Circulation, 2021, 11, 1-9.	1.7	3
45	A pragmatic lab-based tool for risk assessment in cardiac critical care: data from the Critical Care Cardiology Trials Network (CCCTN) Registry. European Heart Journal: Acute Cardiovascular Care, 2022, 11, 252-257.	1.0	3
46	Native-resolution myocardial principal Eulerian strain mapping using convolutional neural networks and Tagged Magnetic Resonance Imaging. Computers in Biology and Medicine, 2022, 141, 105041.	7.0	2
47	Circulating Mononuclear Cell Gene Expression Signatures In Pulmonary Arterial Hypertension Reflect Both Treatment And Disease Specific Effects. , 2011, , .		1
48	The Road Toward Precision in PH: Personal Omics, Phenomics, and Wearables—Oh My!. Advances in Pulmonary Hypertension, 2018, 17, 141-147.	0.1	1
49	Direct pixel to pixel principal strain mapping from tagging MRI using end to end deep convolutional neural network (DeepStrain). Scientific Reports, 2021, 11, 23021.	3.3	1
50	Does HIV Really Augment the Frequency or Mortality Risk of Increased Pulmonary Artery Systolic Pressures?. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 854-855.	5.6	0
51	Reply to Voelkel and Newman: The Light at the End of the Long Pulmonary Hypertension Tunnel Brightens. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 820-821.	5.6	0