Joel D Schilling

List of Publications by Year
in descending order

60 papers	4,974 citations	159585 30 h-index	138484 58 g-index
61 all docs	61 docs citations	61 times ranked	8453 citing authors

#	Article	IF	Citations
1	Embryonic and Adult-Derived Resident Cardiac Macrophages Are Maintained through Distinct Mechanisms at Steady State and during Inflammation. Immunity, 2014, 40, 91-104.	14.3	1,120
2	Distinct macrophage lineages contribute to disparate patterns of cardiac recovery and remodeling in the neonatal and adult heart. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16029-16034.	7.1	576
3	Metabolic Reprogramming Mediated by the mTORC2-IRF4 Signaling Axis Is Essential for Macrophage Alternative Activation. Immunity, 2016, 45, 817-830.	14.3	453
4	Exploiting macrophage autophagy-lysosomal biogenesis as a therapy for atherosclerosis. Nature Communications, 2017, 8, 15750.	12.8	258
5	Toll-like receptor 4 on stromal and hematopoietic cells mediates innate resistance to uropathogenic Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4203-4208.	7.1	181
6	Dynamic Shifts in the Composition of Resident and Recruited Macrophages Influence Tissue Remodeling in NASH. Cell Reports, 2021, 34, 108626.	6.4	164
7	Effect of Trimethoprim-Sulfamethoxazole on Recurrent Bacteriuria and Bacterial Persistence in Mice Infected with Uropathogenic Escherichia coli. Infection and Immunity, 2002, 70, 7042-7049.	2.2	145
8	Integrating immunometabolism and macrophage diversity. Seminars in Immunology, 2016, 28, 417-424.	5.6	137
9	CD14- and Toll-Like Receptor-Dependent Activation of Bladder Epithelial Cells by Lipopolysaccharide and Type 1 Piliated<i>Escherichia coli</i>. Infection and Immunity, 2003, 71, 1470-1480.	2.2	136
10	Palmitate and Lipopolysaccharide Trigger Synergistic Ceramide Production in Primary Macrophages. Journal of Biological Chemistry, 2013, 288, 2923-2932.	3.4	134
11	Toll-Like Receptor-Mediated Inflammatory Signaling Reprograms Cardiac Energy Metabolism by Repressing Peroxisome Proliferator-Activated Receptor Î³ Coactivator-1 Signaling. Circulation: Heart Failure, 2011, 4, 474-482.	3.9	111
12	Lysosomes Integrate Metabolic-Inflammatory Cross-talk in Primary Macrophage Inflammasome Activation. Journal of Biological Chemistry, 2014, 289, 9158-9171.	3.4	106
13	Diabetic Cardiomyopathy. Heart Failure Clinics, 2012, 8, 619-631.	2.1	98
14	The PGC-1 cascade as a therapeutic target for heart failure. Journal of Molecular and Cellular Cardiology, 2011, 51, 578-583.	1.9	92
15	Prognostic utility of novel biomarkers of cardiovascular stress in patients with aortic stenosis undergoing valve replacement. Heart, 2015, 101, 1382-1388.	2.9	90
16	High-protein diets increase cardiovascular risk by activating macrophage mTOR to suppress mitophagy. Nature Metabolism, 2020, 2, 110-125.	11.9	85
17	Hemolysis in left ventricular assist device: A retrospective analysis of outcomes. Journal of Heart and Lung Transplantation, 2014, 33, 44-50.	0.6	84
18	The Mitochondria in Diabetic Heart Failure: From Pathogenesis to Therapeutic Promise. Antioxidants and Redox Signaling, 2015, 22, 1515-1526.	5.4	76

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19	Pre-Operative Right Ventricular Dysfunction Is Associated With Gastrointestinal Bleeding in Patients Supported With Continuous-Flow LeftÂVentricular Assist Devices. JACC: Heart Failure, 2015, 3, 956-964.	4.1	63
20	Modulation of subsets of cardiac B lymphocytes improves cardiac function after acute injury. JCI Insight, 2018, 3, .	5.0	63
21	A novel genetic marker of decreased inflammation and improved survival after acute myocardial infarction. Basic Research in Cardiology, 2018, 113, 38.	5.9	58
22	Trehalose causes low-grade lysosomal stress to activate TFEB and the autophagy-lysosome biogenesis response. Autophagy, 2021, 17, 3740-3752.	9.1	54
23	TLR4 Activation Under Lipotoxic Conditions Leads to Synergistic Macrophage Cell Death through a TRIF-Dependent Pathway. Journal of Immunology, 2013, 190, 1285-1296.	0.8	49
24	PGC1Î² Organizes the Osteoclast Cytoskeleton by Mitochondrial Biogenesis and Activation. Journal of Bone and Mineral Research, 2018, 33, 1114-1125.	2.8	48
25	CAR-T therapy in solid organ transplant recipients with treatment refractory posttransplant lymphoproliferative disorder. American Journal of Transplantation, 2021, 21, 809-814.	4.7	44
26	Recent advances into the pathogenesis of recurrent urinary tract infections: the bladder as a reservoir for uropathogenic Escherichia coli. International Journal of Antimicrobial Agents, 2002, 19, 457-460.	2.5	43
27	The Interplay Between Tissue Niche and Macrophage Cellular Metabolism in Obesity. Frontiers in Immunology, 2019, 10, 3133.	4.8	42
28	Macrophages modulate cardiac function in lipotoxic cardiomyopathy. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H1366-H1373.	3.2	39
29	Inhibition of Fatty Acid Oxidation Promotes Macrophage Control of Mycobacterium tuberculosis. MBio, 2020, 11, .	4.1	39
30	TFEB activation in macrophages attenuates postmyocardial infarction ventricular dysfunction independently of ATG5-mediated autophagy. JCI Insight, 2019, 4, .	5.0	39
31	Glutamine Modulates Macrophage Lipotoxicity. Nutrients, 2016, 8, 215.	4.1	35
32	Intersection of Pulmonary Hypertension and Right Ventricular Dysfunction in Patients on Left Ventricular Assist Device Support. Circulation: Heart Failure, 2018, 11, e004255.	3.9	31
33	PPAR-Î³ regulates pharmacological but not physiological or pathological osteoclast formation. Nature Medicine, 2016, 22, 1203-1205.	30.7	29
34	Inhibition of mTOR reduces lipotoxic cell death in primary macrophages through an autophagy-independent mechanism. Journal of Leukocyte Biology, 2016, 100, 1113-1124.	3.3	27
35	Treatment of Secondary Pulmonary Hypertension with Bosentan after Left Ventricular Assist Device Implantation. Cardiovascular Therapeutics, 2015, 33, 50-55.	2.5	25
36	Frontline Science: Acyl-CoA synthetase 1 exacerbates lipotoxic inflammasome activation in primary macrophages. Journal of Leukocyte Biology, 2019, 106, 803-814.	3.3	22

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37	Sildenafil in Left Ventricular Assist Device Is Safe and Well-Tolerated. ASAIO Journal, 2018, 64, 280-281.	1.6	20
38	PPARÎ³ Deficiency Suppresses the Release of IL-1Î² and IL-1Î± in Macrophages via a Type 1 IFNâ€“Dependent Mechanism. Journal of Immunology, 2018, 201, 2054-2069.	0.8	20
39	Comprehensive analysis of liver macrophage composition by flow cytometry and immunofluorescence in murine NASH. STAR Protocols, 2021, 2, 100511.	1.2	20
40	The Power of Singleâ€Cell Analysis for the Study of Liver Pathobiology. Hepatology, 2021, 73, 437-448.	7.3	19
41	Immunomodulatory role of nonneuronal cholinergic signaling in myocardial injury. JCI Insight, 2019, 4, .	5.0	19
42	Distinct Lysosome Phenotypes Influence Inflammatory Function in Peritoneal and Bone Marrow-Derived Macrophages. International Journal of Inflammation, 2014, 2014, 1-9.	1.5	15
43	Right Heart Failure While on Left Ventricular Assist Device Support Is Associated with Primary Graft Dysfunction. ASAIO Journal, 2020, 66, 1137-1141.	1.6	11
44	Cardiac allograft rejection in the current era of continuous flow left ventricular assist devices. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 124-134.e8.	0.8	8
45	30 Years of Heart Transplant: Outcomes After Mechanical Circulatory Support From a Single Center. Annals of Thoracic Surgery, 2021, , .	1.3	7
46	RECENT ADVANCES IN THE MOLECULAR BASIS OF PATHOGEN RECOGNITION AND HOST RESPONSES IN THE URINARY TRACT. International Reviews of Immunology, 2002, 21, 291-304.	3.3	6
47	Dousing fire with gasoline: interplay between lysosome damage and the NLRP3 inflammasome. Focus on â€œNLRP3 inflammasome signaling is activated by low-level lysosome disruption but inhibited by extensive lysosome disruption: roles for K+ efflux and Ca2+ influxâ€. American Journal of Physiology - Cell Physiology, 2016, 311, C81-C82.	4.6	5
48	Competing Risks to Transplant in Bridging With Continuous-flow Left Ventricular Assist Devices. Annals of Thoracic Surgery, 2022, 114, 1276-1283.	1.3	5
49	Improvements in Extracorporeal Membrane Oxygenation for Primary Graft Failure After Heart Transplant. Annals of Thoracic Surgery, 2023, 115, 751-757.	1.3	4
50	A Short Bridge Over a Wide River: The Role of Extracorporeal Membrane Oxygenation in Older Adults With Cardiogenic Shock. Journal of Cardiac Failure, 2020, 26, 1090-1092.	1.7	3
51	Right Coronary Artery to Coronary Sinus Fistula by Transesophageal Echocardiogram, Cardiac Magnetic Resonance Imaging, and Coronary Angiography. Clinical Cardiology, 2009, 32, E29-30.	1.8	2
52	Macrophages Fuel Skeletal Muscle Regeneration. Immunometabolism, 2021, 3, .	1.6	2
53	Paradoxical outcome of heart transplantation associated with institutional case volume. Clinical Transplantation, 2021, 35, e14471.	1.6	2
54	Derivation of extra-embryonic and intra-embryonic macrophage lineages from human pluripotent stem cells. Development (Cambridge), 2022, 149, .	2.5	2

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55	Diabetic Cardiomyopathy: Distinct and Preventable Entity or Inevitable Consequence?. Current Cardiovascular Risk Reports, 2014, 8, 1.	2.0	1
56	Be Still My Beating Heart: Should Heart Rate Be a Target of Therapy After Heart Transplantation?. Journal of Cardiac Failure, 2019, 25, 257-258.	1.7	1
57	Trimming the Fat in HFpEF. JACC Basic To Translational Science, 2020, 5, 928-930.	4.1	1
58	Antibody-Mediated Rejection of the Heart in the Setting of Autoimmune Demyelinating Polyneuropathy: A Case Report and Review of the Literature. Case Reports in Cardiology, 2012, 2012, 1-4.	0.2	0
59	Slicing Into Human Translational Cardiovascular Biology. JACC Basic To Translational Science, 2016, 1, 168-169.	4.1	0
60	The Hemodynamic Profile of GI Bleeding in Continuous-Flow LVADs: Is it All About the Right Ventricle?. Journal of Cardiac Failure, 2018, 24, 494-495.	1.7	0