Kory J Lavine

List of Publications by Year
in descending order

70 papers	8,877 citations	117625 34 h-index	110387 64 g-index
73 all docs	73 docs citations	73 times ranked	10866 citing authors

#	Article	IF	Citations
1	Pediatric and adult dilated cardiomyopathy are distinguished by distinct biomarker profiles. Pediatric Research, 2022, 92, 206-215.	2.3	2
2	SARS-CoV-2â€“Associated Myocarditis: A Case of Direct Myocardial Injury. Circulation: Heart Failure, 2022, 15, CIRCHEARTFAILURE120008273.	3.9	7
3	CCL17 Aggravates Myocardial Injury by Suppressing Recruitment of Regulatory T Cells. Circulation, 2022, 145, 765-782.	1.6	42
4	Cell specific peripheral immune responses predict survival in critical COVID-19 patients. Nature Communications, 2022, 13, 882.	12.8	19
5	Derivation of extra-embryonic and intra-embryonic macrophage lineages from human pluripotent stem cells. Development (Cambridge), 2022, 149, .	2.5	2
6	Single-cell transcriptomics reveals cell-type-specific diversification in human heart failure. , 2022, 1, 263-280.		124
7	The dynamic cardiac cellular landscape: visualization by molecular imaging. Nature Reviews Cardiology, 2022, 19, 345-347.	13.7	3
8	Cardiovascular Tropism and Sequelae of SARS-CoV-2 Infection. Viruses, 2022, 14, 1137.	3.3	6
9	The Dynamic Role of Cardiac Macrophages in Aging and Disease. Current Cardiology Reports, 2022, 24, 925-933.	2.9	5
10	Integrated multi-omic characterization of congenital heart disease. Nature, 2022, 608, 181-191.	27.8	37
11	Meteorin-like promotes heart repair through endothelial KIT receptor tyrosine kinase. Science, 2022, 376, 1343-1347.	12.6	34
12	Chemokine Receptor 2â€“targeted Molecular Imaging in Pulmonary Fibrosis. A Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 78-89.	5.6	61
13	Targeted PET Imaging of Chemokine Receptor 2â€“Positive Monocytes and Macrophages in the Injured Heart. Journal of Nuclear Medicine, 2021, 62, 111-114.	5.0	31
14	Beyond genomicsâ€”technological advances improving the molecular characterization and precision treatment of heart failure. Heart Failure Reviews, 2021, 26, 405-415.	3.9	7
15	SVEP1 is a human coronary artery disease locus that promotes atherosclerosis. Science Translational Medicine, 2021, 13, .	12.4	28
16	SARS-CoV-2 Infects Human EngineeredÂHeart Tissues and Models COVID-19 Myocarditis. JACC Basic To Translational Science, 2021, 6, 331-345.	4.1	121
17	Basophils balance healing after myocardial infarction via IL-4/IL-13. Journal of Clinical Investigation, 2021, 131, .	8.2	42
18	Myocarditis after Covid-19 mRNA Vaccination. New England Journal of Medicine, 2021, 385, 1332-1334.	27.0	172

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19	Resident cardiac macrophages mediate adaptive myocardial remodeling. Immunity, 2021, 54, 2072-2088.e7.	14.3	76
20	New Approaches to Target Inflammation in Heart Failure: Harnessing Insights from Studies of Immune Cell Diversity. Annual Review of Physiology, 2020, 82, 1-20.	13.1	29
21	Role of donor macrophages after heart and lung transplantation. American Journal of Transplantation, 2020, 20, 1225-1235.	4.7	22
22	Eosinophils Confer Protection Following Myocardial Infarction. JACC Basic To Translational Science, 2020, 5, 682-684.	4.1	2
23	Heterogeneous origins and functions of mouse skeletal muscle-resident macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20729-20740.	7.1	59
24	A Minimal-Invasive Approach for Standardized Induction of Myocardial Infarction in Mice. Circulation Research, 2020, 127, 1214-1216.	4.5	6
25	Limited proliferation capacity of aortic intima resident macrophages requires monocyte recruitment for atherosclerotic plaque progression. Nature Immunology, 2020, 21, 1194-1204.	14.5	115
26	Macrophage Plasticity and Function in the Eye and Heart. Trends in Immunology, 2019, 40, 825-841.	6.8	38
27	Molecular Imaging Visualizes Recruitment of Inflammatory Monocytes and Macrophages to the Injured Heart. Circulation Research, 2019, 124, 881-890.	4.5	94
28	Isolation of Macrophage Subsets and Stromal Cells from Human and Mouse Myocardial Specimens. Journal of Visualized Experiments, 2019, , .	0.3	3
29	Tissue Resident CCR2â˜ and CCR2+ Cardiac Macrophages Differentially Orchestrate Monocyte Recruitment and Fate Specification Following Myocardial Injury. Circulation Research, 2019, 124, 263-278.	4.5	424
30	Self-renewing resident cardiac macrophages limit adverse remodeling following myocardial infarction. Nature Immunology, 2019, 20, 29-39.	14.5	537
31	Ferroptotic cell death and TLR4/Trif signaling initiate neutrophil recruitment after heart transplantation. Journal of Clinical Investigation, 2019, 129, 2293-2304.	8.2	283
32	Defining chronic kidney disease at the genetic level. Science Translational Medicine, 2019, 11, .	12.4	0
33	Genomic reorganization underlies LMNA -associated cardiomyopathies. Science Translational Medicine, 2019, 11, .	12.4	0
34	Navigating the Fog: A Correlated XRM and FIB-SEM Imaging Pipeline for the Rapid and Precise Spatial Targeting of Rare Structures in Biological Samples. Microscopy and Microanalysis, 2018, 24, 2312-2313.	0.4	1
35	The Macrophage in Cardiac Homeostasis and Disease. Journal of the American College of Cardiology, 2018, 72, 2213-2230.	2.8	149
36	The human heart contains distinct macrophage subsets with divergent origins and functions. Nature Medicine, 2018, 24, 1234-1245.	30.7	439

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37	Blocking IL-6 signaling deflates pulmonary arterial hypertension. Science Translational Medicine, 2018, 10, .	12.4	2
38	Spleen-derived classical monocytes mediate lung ischemia-reperfusion injury through IL-1Î². Journal of Clinical Investigation, 2018, 128, 2833-2847.	8.2	58
39	Hidden agendas: Clonal hematopoiesis accelerates heart failure. Science Translational Medicine, 2018, 10, .	12.4	0
40	Re-engineering the heart with the correct components. Science Translational Medicine, 2018, 10, .	12.4	0
41	Breaking through the barrier: Finally hope for patients with cardiac amyloidosis. Science Translational Medicine, 2018, 10, .	12.4	1
42	Keeping pace with the mouse heart. Science Translational Medicine, 2018, 10, .	12.4	0
43	Macrophages Facilitate Electrical Conduction in the Heart. Cell, 2017, 169, 510-522.e20.	28.9	703
44	Cardiac Lymphatic Vessels, Transport, and Healing of the Infarcted Heart. JACC Basic To Translational Science, 2017, 2, 477-483.	4.1	42
45	Recognition of self-DNA drives cardiac inflammation: why broken hearts fail. Nature Medicine, 2017, 23, 1400-1401.	30.7	4
46	A CD103+ Conventional Dendritic Cell Surveillance System Prevents Development of Overt Heart Failure during Subclinical Viral Myocarditis. Immunity, 2017, 47, 974-989.e8.	14.3	50
47	Pediatric and adult dilated cardiomyopathy represent distinct pathological entities. JCI Insight, 2017, 2, .	5.0	63
48	Slicing Into Human Translational Cardiovascular Biology. JACC Basic To Translational Science, 2016, 1, 168-169.	4.1	0
49	Proliferation and Recruitment Contribute to Myocardial Macrophage Expansion in Chronic Heart Failure. Circulation Research, 2016, 119, 853-864.	4.5	318
50	Stromal-Initiated Changes in the Bone Promote Metastatic Niche Development. Cell Reports, 2016, 14, 82-92.	6.4	103
51	Primitive Embryonic Macrophages are Required for Coronary Development and Maturation. Circulation Research, 2016, 118, 1498-1511.	4.5	225
52	Heart-resident CCR2+ macrophages promote neutrophil extravasation through TLR9/MyD88/CXCL5 signaling. JCI Insight, 2016, 1, .	5.0	104
53	Necrotic Myocardial Cells Release Damageâ€Associated Molecular Patterns That Provoke Fibroblast Activation In Vitro and Trigger Myocardial Inflammation and Fibrosis In Vivo. Journal of the American Heart Association, 2015, 4, e001993.	3.7	136
54	Intra-Aortic Balloon Counterpulsation in Patients With Chronic Heart Failure and Cardiogenic Shock: Clinical Response and Predictors of Stabilization. Journal of Cardiac Failure, 2015, 21, 868-876.	1.7	81

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55	Endothelial cell FGF signaling is required for injury response but not for vascular homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13379-13384.	7.1	111
56	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
57	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
58	Origin and Functions of Tissue Macrophages. Immunity, 2014, 41, 21-35.	14.3	1,191
59	Coronary Collaterals Predict Improved Survival and Allograft Function in Patients With Coronary Allograft Vasculopathy. Circulation: Heart Failure, 2013, 6, 773-784.	3.9	15
60	Repetitive Myocardial Ischemia Promotes Coronary Growth in the Adult Mammalian Heart. Journal of the American Heart Association, 2013, 2, e000343.	3.7	23
61	Fibroblast Growth Factor Receptor 1 Signaling in Adult Cardiomyocytes Increases Contractility and Results in a Hypertrophic Cardiomyopathy. PLoS ONE, 2013, 8, e82979.	2.5	36
62	Rethinking Phase II clinical trial design in heart failure. Clinical Investigation, 2013, 3, 57-68.	0.0	11
63	Shared Circuitry. Circulation Research, 2009, 104, 159-169.	4.5	51
64	Novel tool to suppress cell proliferation in vivo demonstrates that myocardial and coronary vascular growth represent distinct developmental programs. Developmental Dynamics, 2008, 237, 713-724.	1.8	19
65	Fibroblast growth factors and Hedgehogs: at the heart of the epicardial signaling center. Trends in Genetics, 2008, 24, 33-40.	6.7	50
66	Hedgehog signaling to distinct cell types differentially regulates coronary artery and vein development. Development (Cambridge), 2008, 135, 3161-3171.	2.5	74
67	Hedgehog signaling is critical for maintenance of the adult coronary vasculature in mice. Journal of Clinical Investigation, 2008, 118, 2404-14.	8.2	89
68	Rebuilding the Coronary Vasculature: Hedgehog as a New Candidate for Pharmacologic Revascularization. Trends in Cardiovascular Medicine, 2007, 17, 77-83.	4.9	26
69	Fibroblast growth factor signals regulate a wave of Hedgehog activation that is essential for coronary vascular development. Genes and Development, 2006, 20, 1651-1666.	5.9	214
70	Endocardial and Epicardial Derived FGF Signals Regulate Myocardial Proliferation and Differentiation In Vivo. Developmental Cell, 2005, 8, 85-95.	7.0	341