Michael P Morley

List of Publications by Year
in descending order

66	8,856	94269 37	106150 65
papers	citations	h-index	g-index

70	70	70	14356
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genetic analysis of genome-wide variation in human gene expression. Nature, 2004, 430, 743-747.	13.7	1,146
2	Multi-ethnic genome-wide association study for atrial fibrillation. Nature Genetics, 2018, 50, 1225-1233.	9.4	552
3	Regeneration of the lung alveolus by an evolutionarily conserved epithelial progenitor. Nature, 2018, 555, 251-255.	13.7	537
4	Genome-wide association and Mendelian randomisation analysis provide insights into the pathogenesis of heart failure. Nature Communications, 2020, 11, 163.	5.8	466
5	Distinct Mesenchymal Lineages and Niches Promote Epithelial Self-Renewal and Myofibrogenesis in the Lung. Cell, 2017, 170, 1134-1148.e10.	13.5	430
6	Differentiation of Human Pluripotent Stem Cells into Functional Lung Alveolar Epithelial Cells. Cell Stem Cell, 2017, 21, 472-488.e10.	5.2	406
7	Targeting cardiac fibrosis with engineered T cells. Nature, 2019, 573, 430-433.	13.7	404
8	Identification of a mesenchymal progenitor cell hierarchy in adipose tissue. Science, 2019, 364, .	6.0	400
9	A microRNA-Hippo pathway that promotes cardiomyocyte proliferation and cardiac regeneration in mice. Science Translational Medicine, 2015, 7, 279ra38.	5.8	311
10	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. Nature Genetics, 2014, 46, 826-836.	9.4	281
11	Emergence of a Wave of Wnt Signaling that Regulates Lung Alveologenesis by Controlling Epithelial Self-Renewal and Differentiation. Cell Reports, 2016, 17, 2312-2325.	2.9	234
12	RNA-Seq identifies novel myocardial gene expression signatures of heart failure. Genomics, 2015, 105, 83-89.	1.3	220
13	NADPH production by the oxidative pentose-phosphate pathway supports folate metabolism. Nature Metabolism, 2019, 1, 404-415.	5.1	209
14	Suppression of detyrosinated microtubules improves cardiomyocyte function in human heart failure. Nature Medicine, 2018, 24, 1225-1233.	15.2	191
15	Hedgehog actively maintains adult lung quiescence and regulates repair and regeneration. Nature, 2015, 526, 578-582.	13.7	182
16	Genome-Nuclear Lamina Interactions Regulate Cardiac Stem Cell Lineage Restriction. Cell, 2017, 171, 573-587.e14.	13.5	162
17	Defining the role of pulmonary endothelial cell heterogeneity in the response to acute lung injury. ELife, 2020, 9, .	2.8	151
18	The ADP/ATP translocase drives mitophagy independent of nucleotide exchange. Nature, 2019, 575, 375-379.	13.7	149

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19	Thyroid Dysfunction in Heart Failure and Cardiovascular Outcomes. Circulation: Heart Failure, 2018, 11, e005266.	1.6	143
20	Causal Assessment of Serum Urate Levels inÂCardiometabolic Diseases Through a Mendelian Randomization Study. Journal of the American College of Cardiology, 2016, 67, 407-416.	1.2	138
21	Human distal airways contain a multipotent secretory cell that can regenerate alveoli. Nature, 2022, 604, 120-126.	13.7	128
22	Early lineage specification defines alveolar epithelial ontogeny in the murine lung. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4362-4371.	3.3	116
23	Hemodynamic Forces Sculpt Developing Heart Valves through a KLF2-WNT9B Paracrine Signaling Axis. Developmental Cell, 2017, 43, 274-289.e5.	3.1	114
24	Genomic, epigenomic, and biophysical cues controlling the emergence of the lung alveolus. Science, 2021, 371, .	6.0	108
25	The tumor suppressor FLCN mediates an alternate mTOR pathway to regulate browning of adipose tissue. Genes and Development, 2016, 30, 2551-2564.	2.7	100
26	Genomics-First Evaluation of Heart Disease Associated With Titin-Truncating Variants. Circulation, 2019, 140, 42-54.	1.6	97
27	Exome-wide association study reveals novel susceptibility genes to sporadic dilated cardiomyopathy. PLoS ONE, 2017, 12, e0172995.	1.1	92
28	HDAC3-Dependent Epigenetic Pathway Controls Lung Alveolar Epithelial Cell Remodeling and Spreading via miR-17-92 and TGF-Î² Signaling Regulation. Developmental Cell, 2016, 36, 303-315.	3.1	85
29	NADPH production by the oxidative pentose-phosphate pathway supports folate metabolism. Nature Metabolism, 2019, 1, 404-415.	5.1	84
30	Wnt ligand/Frizzled 2 receptor signaling regulates tube shape and branch-point formation in the lung through control of epithelial cell shape. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12444-12449.	3.3	79
31	Age-dependent alveolar epithelial plasticity orchestrates lung homeostasis and regeneration. Cell Stem Cell, 2021, 28, 1775-1789.e5.	5.2	79
32	Single-Cell Transcriptomic Profiling of Pluripotent Stem Cell-Derived SCGB3A2+ Airway Epithelium. Stem Cell Reports, 2018, 10, 1579-1595.	2.3	78
33	An Enhancer Polymorphism at the Cardiomyocyte Intercalated Disc Protein NOS1AP Locus Is a Major Regulator of the QT Interval. American Journal of Human Genetics, 2014, 94, 854-869.	2.6	72
34	A census of the lung: CellCards from LungMAP. Developmental Cell, 2022, 57, 112-145.e2.	3.1	67
35	Pathogenic LMNA variants disrupt cardiac lamina-chromatin interactions and de-repress alternative fate genes. Cell Stem Cell, 2021, 28, 938-954.e9.	5.2	61
36	The Genetic Makeup of the Electrocardiogram. Cell Systems, 2020, 11, 229-238.e5.	2.9	55

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37	Ezh2 represses the basal cell lineage during lung endoderm development. Development (Cambridge), 2015, 142, 108-117.	1.2	52
38	The NANCIâ€“Nkx2.1 gene duplex buffers Nkx2.1 expression to maintain lung development and homeostasis. Genes and Development, 2017, 31, 889-903.	2.7	49
39	Genome-wide association analysis in dilated cardiomyopathy reveals two new players in systolic heart failure on chromosomes 3p25.1 and 22q11.23. European Heart Journal, 2021, 42, 2000-2011.	1.0	49
40	Gene expression and genetic variation in human atria. Heart Rhythm, 2014, 11, 266-271.	0.3	48
41	Direct Comparison of Mononucleated and Binucleated Cardiomyocytes Reveals Molecular Mechanisms Underlying Distinct Proliferative Competencies. Cell Reports, 2020, 30, 3105-3116.e4.	2.9	41
42	Clinical and Proteomic Correlates of Plasma ACE2 (Angiotensin-Converting Enzyme 2) in Human Heart Failure. Hypertension, 2020, 76, 1526-1536.	1.3	39
43	Truncated titin proteins in dilated cardiomyopathy. Science Translational Medicine, 2021, 13, eabd7287.	5.8	39
44	Discovery of Genetic Variation on Chromosome 5q22 Associated with Mortality in Heart Failure. PLoS Genetics, 2016, 12, e1006034.	1.5	34
45	Genomeâ€Wide Associations of Global Electrical Heterogeneity ECG Phenotype: The ARIC (Atherosclerosis Risk in Communities) Study and CHS (Cardiovascular Health Study). Journal of the American Heart Association, 2018, 7, .	1.6	31
46	Epigenomes of Human Hearts Reveal New Genetic Variants Relevant for Cardiac Disease and Phenotype. Circulation Research, 2020, 127, 761-777.	2.0	29
47	Foxp transcription factors suppress a non-pulmonary gene expression program to permit proper lung development. Developmental Biology, 2016, 416, 338-346.	0.9	27
48	Common Coding Variants in SCN10A Are Associated With the Nav1.8 Late Current and Cardiac Conduction. Circulation Genomic and Precision Medicine, 2018, 11, e001663.	1.6	26
49	Aptamer-Based Proteomic Platform Identifies Novel Protein Predictors of Incident Heart Failure and Echocardiographic Traits. Circulation: Heart Failure, 2020, 13, e006749.	1.6	26
50	Defects in the Proteome and Metabolome in Human Hypertrophic Cardiomyopathy. Circulation: Heart Failure, 2022, 15, CIRCHEARTFAILURE121009521.	1.6	25
51	mTORC1 activation in lung mesenchyme drives sex- and age-dependent pulmonary structure and function decline. Nature Communications, 2020, 11, 5640.	5.8	23
52	Bayesian integration of genetics and epigenetics detects causal regulatory SNPs underlying expression variability. Nature Communications, 2015, 6, 8555.	5.8	22
53	Pathologic gene network rewiring implicates PPP1R3A as a central regulator in pressure overload heart failure. Nature Communications, 2019, 10, 2760.	5.8	22
54	Dnmt1 is required for proximal-distal patterning of the lung endoderm and for restraining alveolar type 2 cell fate. Developmental Biology, 2019, 454, 108-117.	0.9	21

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55	Microstructured Hydrogels to Guide Selfâ€Assembly and Function of Lung Alveolospheres. Advanced Materials, 2022, 34, e2202992.	11.1	21
56	Antisense regulation of atrial natriuretic peptide expression. JCI Insight, 2019, 4, .	2.3	14
57	Klf5 defines alveolar epithelial type 1 cell lineage commitment during lung development and regeneration. Developmental Cell, 2022, 57, 1742-1757.e5.	3.1	14
58	Cardioprotective Effects of MTSS1 Enhancer Variants. Circulation, 2019, 139, 2073-2076.	1.6	12
59	Assigning Distal Genomic Enhancers to Cardiac Diseaseâ€“Causing Genes. Circulation, 2020, 142, 910-912.	1.6	11
60	Global analysis of histone modifications and long-range chromatin interactions revealed the differential cistrome changes and novel transcriptional players in human dilated cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2020, 145, 30-42.	0.9	11
61	The genomics of heart failure: design and rationale of the HERMES consortium. ESC Heart Failure, 2021, 8, 5531-5541.	1.4	11
62	Genetic Reduction in Left Ventricular Protein Kinase C-Î± and Adverse Ventricular Remodeling in Human Subjects. Circulation Genomic and Precision Medicine, 2018, 11, e001901.	1.6	10
63	Whole-Transcriptome Profiling of Human Heart Tissues Reveals the Potential Novel Players and Regulatory Networks in Different Cardiomyopathy Subtypes of Heart Failure. Circulation Genomic and Precision Medicine, 2021, 14, e003142.	1.6	7
64	Differential expression of members of SOX family of transcription factors in failing human hearts. Translational Research, 2022, 242, 66-78.	2.2	6
65	93137 Interrogating cardio-protective MTSS1 variants in human populations. Journal of Clinical and Translational Science, 2021, 5, 124-125.	0.3	0
66	Disruption of Proteostasis Causes IRE1 Mediated Reprogramming of Alveolar Epithelial Cells in Lung Fibrosis. FASEB Journal, 2022, 36, .	0.2	0