Mukesh K Jain

List of Publications by Year in Descending Order

78 papers	3,096 citations	31 h-index	55 g-index
83 ext. papers	3,985 ext. citations	11.8 avg, IF	5 L-index

#	Paper	IF	Citations
78	Cardiac macrophages regulate isoproterenol-induced Takotsubo-like cardiomyopathy.. *JCI Insight*, **2022**, 7,	9.9	1
77	Transcription factors KLF15 and PPAR□ cooperatively orchestrate genome-wide regulation of lipid metabolism in skeletal muscle.. *Journal of Biological Chemistry*, **2022**, 101926	5.4	1
76	KLF2 regulates neutrophil activation and thrombosis in cardiac hypertrophy and heart failure progression. *Journal of Clinical Investigation*, **2021**,	15.9	5
75	Understanding Circadian Mechanisms of Sudden Cardiac Death: A Report From the National Heart, Lung, and Blood Institute Workshop, Part 1: Basic and Translational Aspects. *Circulation: Arrhythmia and Electrophysiology*, **2021**, 14, e010181	6.4	1
74	Understanding Circadian Mechanisms of Sudden Cardiac Death: A Report From the National Heart, Lung, and Blood Institute Workshop, Part 2: Population and Clinical Considerations. *Circulation: Arrhythmia and Electrophysiology*, **2021**, 14, e010190	6.4	0
73	Reducing acetylated tau is neuroprotective in brain injury. *Cell*, **2021**, 184, 2715-2732.e23	56.2	18
72	Molecular link between circadian clocks and cardiac function: a network of core clock, slave clock, and effectors. *Current Opinion in Pharmacology*, **2021**, 57, 28-40	5.1	3
71	Muscle Krüppel-like factor 15 regulates lipid flux and systemic metabolic homeostasis. *Journal of Clinical Investigation*, **2021**, 131,	15.9	7
70	The zinc finger transcription factor, KLF2, protects against COVID-19 associated endothelial dysfunction. *Signal Transduction and Targeted Therapy*, **2021**, 6, 266	21	10
69	Circadian regulation of cardiac metabolism. *Journal of Clinical Investigation*, **2021**, 131,	15.9	3
68	Genipin guides and sustains the polarization of macrophages to the pro-regenerative M2 subtype via activation of the pSTAT6-PPAR-gamma pathway. *Acta Biomaterialia*, **2021**, 131, 198-210	10.8	5
67	Exposure to Air Pollution Disrupts Circadian Rhythm through Alterations in Chromatin Dynamics. *IScience*, **2020**, 23, 101728	6.1	9
66	OR04-04 Identification of a Novel Transcriptional Regulator of Metabolic Disease in Circulating and Central Myeloid Cells. *Journal of the Endocrine Society*, **2020**, 4,	0.4	78
65	Kruppel-Like Factor 15 Regulates the Circadian Susceptibility to Ischemia Reperfusion Injury in the Heart. *Circulation*, **2020**, 141, 1427-1429	16.7	9
64	P7C3-A20 treatment one year after TBI in mice repairs the blood-brain barrier, arrests chronic neurodegeneration, and restores cognition. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 27667-27675	11.5	16
63	Myeloid Krüppel-like factor 2 is a critical regulator of metabolic inflammation. *Nature Communications*, **2020**, 11, 5872	17.4	7
62	The Krüppel-Like Factors and Control of Energy Homeostasis. *Endocrine Reviews*, **2019**, 40, 137-152	27.2	24

61	ATAD3A oligomerization causes neurodegeneration by coupling mitochondrial fragmentation and bioenergetics defects. *Nature Communications*, **2019**, 10, 1371	17.4	35
60	KLF15 regulates endobiotic and xenobiotic metabolism. *Nature Metabolism*, **2019**, 1, 422-430	14.6	5
59	KLF4 in Macrophages Attenuates TNF-Mediated Kidney Injury and Fibrosis. *Journal of the American Society of Nephrology: JASN*, **2019**, 30, 1925-1938	12.7	38
58	Saving the Endangered Physician-Scientist - A Plan for Accelerating Medical Breakthroughs. *New England Journal of Medicine*, **2019**, 381, 399-402	59.2	53
57	Regulation of MicroRNA Machinery and Development by Interspecies S-Nitrosylation. *Cell*, **2019**, 176, 1014-1025.e12	56.2	41
56	Taking KLF9 to "Cort" for crimes against metabolism. *Journal of Clinical Investigation*, **2019**, 129, 2178-2180	13.9	4
55	An ATF6-tPA pathway in hepatocytes contributes to systemic fibrinolysis and is repressed by DACH1. *Blood*, **2019**, 133, 743-753	2.2	7
54	Krüppel-like factor 15: Regulator of BCAA metabolism and circadian protein rhythmicity. *Pharmacological Research*, **2018**, 130, 123-126	10.2	30
53	S-Nitrosylation of β-Arrestins Biases Receptor Signaling and Confers Ligand Independence. *Molecular Cell*, **2018**, 70, 473-487.e6	17.6	20
52	Distinct roles of resident and nonresident macrophages in nonischemic cardiomyopathy. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E4661-E4669	11.5	73
51	Krüppel-Like Factors in Vascular Inflammation: Mechanistic Insights and Therapeutic Potential. *Frontiers in Cardiovascular Medicine*, **2018**, 5, 6	5.4	48
50	Aryl Hydrocarbon Receptor Nuclear Translocator in Vascular Smooth Muscle Cells Is Required for Optimal Peripheral Perfusion Recovery. *Journal of the American Heart Association*, **2018**, 7,	6	1
49	Interventions Targeting Glucocorticoid-Krüppel-like Factor 15-Branched-Chain Amino Acid Signaling Improve Disease Phenotypes in Spinal Muscular Atrophy Mice. *EBioMedicine*, **2018**, 31, 226-242	8.8	24
48	Mitophagy is required for brown adipose tissue mitochondrial homeostasis during cold challenge. *Scientific Reports*, **2018**, 8, 8251	4.9	25
47	Kruppel-like factor 15 is required for the cardiac adaptive response to fasting. *PLoS ONE*, **2018**, 13, e0192376	2.7	7
46	Krüppel-Like Factor 15 Mediates Glucocorticoid-Induced Restoration of Podocyte Differentiation Markers. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 166-184	12.7	48
45	BRG1 and BRM function antagonistically with c-MYC in adult cardiomyocytes to regulate conduction and contractility. *Journal of Molecular and Cellular Cardiology*, **2017**, 105, 99-109	5.8	11
44	Stress-Activated Kinase Mitogen-Activated Kinase Kinase-7 Governs Epigenetics of Cardiac Repolarization for Arrhythmia Prevention. *Circulation*, **2017**, 135, 683-699	16.7	11

43	A conserved KLF-autophagy pathway modulates nematode lifespan and mammalian age-associated vascular dysfunction. *Nature Communications*, **2017**, 8, 914	17.4	35
42	REV-ERB□ameliorates heart failure through transcription repression. *JCI Insight*, **2017**, 2,	9.9	31
41	Regulation of endothelial hemoglobin alpha expression by Kruppel-like factors. *Vascular Medicine*, **2017**, 22, 363-369	3.3	9
40	Ultrasound-guided Intracardiac Injection of Human Mesenchymal Stem Cells to Increase Homing to the Intestine for Use in Murine Models of Experimental Inflammatory Bowel Diseases. *Journal of Visualized Experiments*, **2017**,	1.6	3
39	Ileectomy-induced Bile Overaccumulation in Mouse Intestine. *Journal of Visualized Experiments*, **2017**,	1.6	3
38	Adipose KLF15 Controls Lipid Handling to Adapt to Nutrient Availability. *Cell Reports*, **2017**, 21, 3129-3140	10.6	27
37	The loss of Krüppel-like factor 15 in Foxd1 stromal cells exacerbates kidney fibrosis. *Kidney International*, **2017**, 92, 1178-1193	9.9	14
36	Kruppel-like factor 4 regulates neutrophil activation. *Blood Advances*, **2017**, 1, 662-668	7.8	6
35	Aging and the Krüppel-like factors. *Trends in Cell & Molecular Biology*, **2017**, 12, 1-15		7
34	Deleting an Nr4a1 Super-Enhancer Subdomain Ablates Ly6C Monocytes while Preserving Macrophage Gene Function. *Immunity*, **2016**, 45, 975-987	32.3	87
33	Beating against the clock. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 2558-9	11.5	1
32	Reduced Krüppel-Like Factor 2 Aggravates Glomerular Endothelial Cell Injury and Kidney Disease in Mice with Unilateral Nephrectomy. *American Journal of Pathology*, **2016**, 186, 2021-2031	5.8	18
31	KLF4 is a key determinant in the development and progression of cerebral cavernous malformations. *EMBO Molecular Medicine*, **2016**, 8, 6-24	12	108
30	Catabolic Defect of Branched-Chain Amino Acids Promotes Heart Failure. *Circulation*, **2016**, 133, 2038-49	16.7	233
29	KLF15 Enables Rapid Switching between Lipogenesis and Gluconeogenesis during Fasting. *Cell Reports*, **2016**, 16, 2373-86	10.6	56
28	Transcription Factor KLF2 in Dendritic Cells Downregulates Th2 Programming via the HIF-1/Jagged2/Notch Axis. *MBio*, **2016**, 7,	7.8	13
27	Circadian control of bile acid synthesis by a KLF15-Fgf15 axis. *Nature Communications*, **2015**, 6, 7231	17.4	51
26	Megamitochondria in Cardiomyocytes of a Knockout (Klf15-/-) Mouse. *Ultrastructural Pathology*, **2015**, 39, 336-9	1.3	6

25	Kruppel-like factors in muscle health and disease. *Trends in Cardiovascular Medicine*, **2015**, 25, 278-87	6.9	28
24	Glucocorticoids enhance muscle endurance and ameliorate Duchenne muscular dystrophy through a defined metabolic program. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E6780-9	11.5	54
23	Reduced Krüppel-like factor 2 expression may aggravate the endothelial injury of diabetic nephropathy. *Kidney International*, **2015**, 87, 382-95	9.9	36
22	Endothelial Cells **2015**, 105-116		
21	Investigating mechanisms underpinning the detrimental impact of a high-fat diet in the developing and adult hypermuscular myostatin null mouse. *Skeletal Muscle*, **2015**, 5, 38	5.1	14
20	KLF15 and PPARα Cooperate to Regulate Cardiomyocyte Lipid Gene Expression and Oxidation. *PPAR Research*, **2015**, 2015, 201625	4.3	34
19	Response Element Composition Governs Correlations between Binding Site Affinity and Transcription in Glucocorticoid Receptor Feed-forward Loops. *Journal of Biological Chemistry*, **2015**, 290, 19756-69	5.4	24
18	KLF15 Establishes the Landscape of Diurnal Expression in the Heart. *Cell Reports*, **2015**, 13, 2368-2375	10.6	51
17	Kruppel-like factor 4 is critical for transcriptional control of cardiac mitochondrial homeostasis. *Journal of Clinical Investigation*, **2015**, 125, 3461-76	15.9	67
16	Kruppel-like factor 2 suppresses mammary carcinoma growth by regulating retinoic acid signaling. *Oncotarget*, **2015**, 6, 35830-42	3.3	29
15	Kruppel-like factor 15 is a critical regulator of cardiac lipid metabolism. *Journal of Biological Chemistry*, **2014**, 289, 5914-24	5.4	82
14	Myeloid Kruppel-like factor 2 deficiency exacerbates neurological dysfunction and neuroinflammation in a murine model of multiple sclerosis. *Journal of Neuroimmunology*, **2014**, 274, 234-9	3.5	4
13	Kruppel-like transcription factor 6 regulates inflammatory macrophage polarization. *Journal of Biological Chemistry*, **2014**, 289, 10318-10329	5.4	91
12	The thromboprotective effect of bortezomib is dependent on the transcription factor Kruppel-like factor 2 (KLF2). *Blood*, **2014**, 123, 3828-31	2.2	29
11	Regulation of an inflammatory disease: Krüppel-like factors and atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 499-508	9.4	40
10	KLF15 is a molecular link between endoplasmic reticulum stress and insulin resistance. *PLoS ONE*, **2013**, 8, e77851	3.7	28
9	Kruppel-like factor 15 regulates skeletal muscle lipid flux and exercise adaptation. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 6739-44	11.5	88
8	Klf15 orchestrates circadian nitrogen homeostasis. *Cell Metabolism*, **2012**, 15, 311-23	24.6	100

7	Klf15 deficiency is a molecular link between heart failure and aortic aneurysm formation. *Science Translational Medicine*, **2010**, 2, 26ra26	17.5	78
6	ROLE OF KRÜPPEL-LIKE FACTORS IN SHEAR STRESS-MEDIATED VASOPROTECTION **2010**, 97-122		
5	Kruppel-like factor 15 is a regulator of cardiomyocyte hypertrophy. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 7074-9	11.5	157
4	Kruppel-like Factors (KLFs) in muscle biology. *Journal of Molecular and Cellular Cardiology*, **2007**, 43, 1-10	5.8	78
3	Regulation of gluconeogenesis by Krüppel-like factor 15. *Cell Metabolism*, **2007**, 5, 305-12	24.6	180
2	The Krüppel-like factor KLF2 inhibits peroxisome proliferator-activated receptor-gamma expression and adipogenesis. *Journal of Biological Chemistry*, **2003**, 278, 2581-4	5.4	228
1	The Krüppel-like factor KLF15 regulates the insulin-sensitive glucose transporter GLUT4. *Journal of Biological Chemistry*, **2002**, 277, 34322-8	5.4	186