Praveen Sethupathy

List of Publications by Year
in descending order

58	6,956	159585 30	144013 57
papers	citations	h-index	g-index

69	69	69	15009
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Potential etiologic and functional implications of genome-wide association loci for human diseases and traits. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9362-9367.	7.1	3,719
2	HDL-transferred microRNA-223 regulates ICAM-1 expression in endothelial cells. Nature Communications, 2014, 5, 3292.	12.8	343
3	MicroRNA target site polymorphisms and human disease. Trends in Genetics, 2008, 24, 489-497.	6.7	318
4	MicroRNA-223 coordinates cholesterol homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14518-14523.	7.1	216
5	MicroRNA-27b is a regulatory hub in lipid metabolism and is altered in dyslipidemia. Hepatology, 2013, 57, 533-542.	7.3	196
6	Global Epigenomic Analysis of Primary Human Pancreatic Islets Provides Insights into Type 2 Diabetes Susceptibility Loci. Cell Metabolism, 2010, 12, 443-455.	16.2	190
7	Small tRNA-derived RNAs are increased and more abundant than microRNAs in chronic hepatitis B and C. Scientific Reports, 2015, 5, 7675.	3.3	122
8	miR-182 and miR-10a Are Key Regulators of Treg Specialisation and Stability during Schistosome and Leishmania-associated Inflammation. PLoS Pathogens, 2013, 9, e1003451.	4.7	105
9	MicroRNA-29 Fine-tunes the Expression of Key FOXA2-Activated Lipid Metabolism Genes and Is Dysregulated in Animal Models of Insulin Resistance and Diabetes. Diabetes, 2014, 63, 3141-3148.	0.6	105
10	Functional Transcriptomics in Diverse Intestinal Epithelial Cell Types Reveals Robust MicroRNA Sensitivity in Intestinal Stem Cells to Microbial Status. Journal of Biological Chemistry, 2017, 292, 2586-2600.	3.4	105
11	The long noncoding RNA CHROME regulates cholesterol homeostasis in primates. Nature Metabolism, 2019, 1, 98-110.	11.9	104
12	Beta Cell 5â€²-Shifted isomiRs Are Candidate Regulatory Hubs in Type 2 Diabetes. PLoS ONE, 2013, 8, e73240.	2.5	85
13	tDRmapper: challenges and solutions to mapping, naming, and quantifying tRNA-derived RNAs from human small RNA-sequencing data. BMC Bioinformatics, 2015, 16, 354.	2.6	82
14	Comprehensive analysis of The Cancer Genome Atlas reveals a unique gene and non-coding RNA signature of fibrolamellar carcinoma. Scientific Reports, 2017, 7, 44653.	3.3	71
15	MicroRNAs Classify Different Disease Behavior Phenotypes of CrohnÊ¼s Disease and May Have Prognostic Utility. Inflammatory Bowel Diseases, 2015, 21, 2178-2187.	1.9	68
16	Inhibition of miR-29 has a significant lipid-lowering benefit through suppression of lipogenic programs in liver. Scientific Reports, 2015, 5, 12911.	3.3	66
17	Bioinformatic and Genetic Association Analysis of MicroRNA Target Sites in One-Carbon Metabolism Genes. PLoS ONE, 2011, 6, e21851.	2.5	65
18	Bioinformatic analysis of endogenous and exogenous small RNAs on lipoproteins. Journal of Extracellular Vesicles, 2018, 7, 1506198.	12.2	60

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19	The Promise and Challenge of Therapeutic MicroRNA Silencing in Diabetes and Metabolic Diseases. Current Diabetes Reports, 2016, 16, 52.	4.2	52
20	Gut Microbial Influences on the Mammalian Intestinal Stem Cell Niche. Stem Cells International, 2017, 2017, 1-17.	2.5	51
21	Long Noncoding RNA Moderates MicroRNA Activity to Maintain Self-Renewal in Embryonic Stem Cells. Stem Cell Reports, 2017, 9, 108-121.	4.8	47
22	Complexity of microRNA function and the role of isomiRs in lipid homeostasis. Journal of Lipid Research, 2013, 54, 1182-1191.	4.2	46
23	MicroRNA-30c Mimic Mitigates Hypercholesterolemia and Atherosclerosis in Mice. Journal of Biological Chemistry, 2016, 291, 18397-18409.	3.4	43
24	An integrative transcriptomics approach identifies miR-503 as a candidate master regulator of the estrogen response in MCF-7 breast cancer cells. Rna, 2016, 22, 1592-1603.	3.5	42
25	Essential Function of Dicer in Resolving DNA Damage in the Rapidly Dividing Cells of the Developing and Malignant Cerebellum. Cell Reports, 2016, 14, 216-224.	6.4	41
26	miR-30 Family Controls Proliferation and Differentiation of Intestinal Epithelial Cell Models by Directing a Broad Gene Expression Program That Includes SOX9 and the Ubiquitin Ligase Pathway. Journal of Biological Chemistry, 2016, 291, 15975-15984.	3.4	40
27	Transcriptomic Analysis of Chronic Hepatitis B and C and Liver Cancer Reveals MicroRNA-Mediated Control of Cholesterol Synthesis Programs. MBio, 2015, 6, e01500-15.	4.1	39
28	Pseudogenes transcribed in breast invasive carcinoma show subtype-specific expression and ceRNA potential. BMC Genomics, 2015, 16, 113.	2.8	35
29	MicroRNA-375 Suppresses the Growth and Invasion of Fibrolamellar Carcinoma. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 803-817.	4.5	34
30	Prioritization of Genetic Variants in the micro RNA Regulome as Functional Candidates in Genomeâ€Wide Association Studies. Human Mutation, 2013, 34, 1049-1056.	2.5	33
31	Acute suppression of insulin resistance-associated hepatic miR-29 in vivo improves glycemic control in adult mice. Physiological Genomics, 2019, 51, 379-389.	2.3	33
32	Arsenic Exposure and Type 2 Diabetes: MicroRNAs as Mechanistic Links?. Current Diabetes Reports, 2017, 17, 18.	4.2	30
33	Prospective Associations of Coronary Heart Disease Loci in African Americans Using the MetaboChip: The PAGE Study. PLoS ONE, 2014, 9, e113203.	2.5	27
34	miRquant 2.0: an Expanded Tool for Accurate Annotation and Quantification of MicroRNAs and their isomiRs from Small RNA-Sequencing Data. Journal of Integrative Bioinformatics, 2016, 13, 307.	1.5	27
35	Circulating miRNAs Associated with Arsenic Exposure. Environmental Science & Technology, 2018, 52, 14487-14495.	10.0	25
36	MicroRNA-29 is an essential regulator of brain maturation through regulation of CH methylation. Cell Reports, 2021, 35, 108946.	6.4	25

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37	Identification of microRNAs associated with allergic airway disease using a genetically diverse mouse population. BMC Genomics, 2015, 16, 633.	2.8	22
38	Environmental contaminants and microRNA regulation: Transcription factors as regulators of toxicant-altered microRNA expression. Toxicology and Applied Pharmacology, 2016, 312, 61-66.	2.8	21
39	microRNA-146a-5p association with the cardiometabolic disease risk factor TMAO. Physiological Genomics, 2019, 51, 59-71.	2.3	20
40	Colonic epithelial miR-31 associates with the development of Crohnâ€™s phenotypes. JCI Insight, 2018, 3, .	5.0	20
41	An integrated analysis of the SOX2 microRNA response program in human pluripotent and nullipotent stem cell lines. BMC Genomics, 2014, 15, 711.	2.8	19
42	miRquant 2.0: an Expanded Tool for Accurate Annotation and Quantification of MicroRNAs and their isomiRs from Small RNA-Sequencing Data. Journal of Integrative Bioinformatics, 2016, 13, .	1.5	18
43	Predicted effects of observed changes in the mRNA and microRNA transcriptome of lung neutrophils during S. pneumoniae pneumonia in mice. Scientific Reports, 2017, 7, 11258.	3.3	17
44	Sequence Variation in Promoter of Ica1 Gene, Which Encodes Protein Implicated in Type 1 Diabetes, Causes Transcription Factor Autoimmune Regulator (AIRE) to Increase Its Binding and Down-regulate Expression. Journal of Biological Chemistry, 2012, 287, 17882-17893.	3.4	14
45	Systems genetics identifies a co-regulated module of liver microRNAs associated with plasma LDL cholesterol in murine diet-induced dyslipidemia. Physiological Genomics, 2017, 49, 618-629.	2.3	13
46	MiR-29 Regulates de novo Lipogenesis in the Liver and Circulating Triglyceride Levels in a Sirt1-Dependent Manner. Frontiers in Physiology, 2019, 10, 1367.	2.8	12
47	The DNAJB1â€PRKACA chimera: Candidate biomarker and therapeutic target for fibrolamellar carcinomas. Hepatology, 2016, 63, 662-664.	7.3	11
48	Enteroendocrine Progenitor Cellâ€“Enriched miR-7 Regulates Intestinal Epithelial Proliferation in an Xiap-Dependent Manner. Cellular and Molecular Gastroenterology and Hepatology, 2020, 9, 447-464.	4.5	11
49	Needles in the genetic haystack of lipid disorders: single nucleotide polymorphisms in the microRNA regulome. Journal of Lipid Research, 2013, 54, 1168-1173.	4.2	8
50	Illuminating microRNA Transcription from the Epigenome. Current Genomics, 2013, 14, 68-77.	1.6	7
51	Differential Impact of Glucose Administered Intravenously and Orally on Circulating miR-375 Levels in Human Subjects. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 3749-3755.	3.6	7
52	Multiomic analysis defines the first microRNA atlas across all small intestinal epithelial lineages and reveals novel markers of almost all major cell types. American Journal of Physiology - Renal Physiology, 2021, 321, G668-G681.	3.4	7
53	Genetic Architecture Modulates Diet-Induced Hepatic mRNA and miRNA Expression Profiles in Diversity Outbred Mice. Genetics, 2020, 216, 241-259.	2.9	6
54	Candidate master microRNA regulator of arsenic-induced pancreatic beta cell impairment revealed by multi-omics analysis. Archives of Toxicology, 2022, 96, 1685-1699.	4.2	6

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55	Important Considerations for Studies of Circulating MicroRNAs in Clinical Samples. EBioMedicine, 2017, 24, 22-23.	6.1	5
56	MicroRNAs in the Mammalian Gut Endocrine Lineage. Endocrinology, 2018, 159, 866-868.	2.8	5
57	Genetic architecture modulates diet-induced hepatic mRNA and miRNA expression profiles in Diversity Outbred mice. Genetics, 2021, 218, .	2.9	4
58	MicroRNA-7 Specifically Marks the Gut Endocrine Lineage and Controls Progenitor Cell Proliferation Through <i>Egfr</i>. SSRN Electronic Journal, 0, , .	0.4	0