

Rashmi B Prasad

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

5,354
citations

236612

25
h-index

106150

65
g-index

89
all docs

89
docs citations

89
times ranked

9623
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel subgroups of adult-onset diabetes and their association with outcomes: a data-driven cluster analysis of six variables. <i>Lancet Diabetes and Endocrinology</i> , 2018, 6, 361-369.	5.5	1,430
2	Development of Human Protein Reference Database as an Initial Platform for Approaching Systems Biology in Humans. <i>Genome Research</i> , 2003, 13, 2363-2371.	2.4	954
3	Global genomic and transcriptomic analysis of human pancreatic islets reveals novel genes influencing glucose metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13924-13929.	3.3	407
4	Genetics of Type 2 Diabetes—Pitfalls and Possibilities. <i>Genes</i> , 2015, 6, 87-123.	1.0	337
5	Variation in CDKN2A at 9p21.3 influences childhood acute lymphoblastic leukemia risk. <i>Nature Genetics</i> , 2010, 42, 492-494.	9.4	248
6	A Central Role for GRB10 in Regulation of Islet Function in Man. <i>PLoS Genetics</i> , 2014, 10, e1004235.	1.5	164
7	Verification of the susceptibility loci on 7p12.2, 10q21.2, and 14q11.2 in precursor B-cell acute lymphoblastic leukemia of childhood. <i>Blood</i> , 2010, 115, 1765-1767.	0.6	142
8	Subtypes of Type 2 Diabetes Determined From Clinical Parameters. <i>Diabetes</i> , 2020, 69, 2086-2093.	0.3	103
9	Genetic inactivation of ANGPTL4 improves glucose homeostasis and is associated with reduced risk of diabetes. <i>Nature Communications</i> , 2018, 9, 2252.	5.8	99
10	Loss of ZnT8 function protects against diabetes by enhanced insulin secretion. <i>Nature Genetics</i> , 2019, 51, 1596-1606.	9.4	96
11	Genetic variant effects on gene expression in human pancreatic islets and their implications for T2D. <i>Nature Communications</i> , 2020, 11, 4912.	5.8	89
12	5-Fluorouracil-based chemotherapy for colorectal cancer and <i>MTHFR</i> / <i>MTRR</i> genotypes. <i>British Journal of Clinical Pharmacology</i> , 2011, 72, 162-163.	1.1	85
13	Associations of autozygosity with a broad range of human phenotypes. <i>Nature Communications</i> , 2019, 10, 4957.	5.8	84
14	Genome-wide association analyses highlight etiological differences underlying newly defined subtypes of diabetes. <i>Nature Genetics</i> , 2021, 53, 1534-1542.	9.4	81
15	Precision medicine in type 2 diabetes. <i>Journal of Internal Medicine</i> , 2019, 285, 40-48.	2.7	76
16	Prevalence and risk factors of gestational diabetes in Punjab, North India: results from a population screening program. <i>European Journal of Endocrinology</i> , 2015, 173, 257-267.	1.9	75
17	Glucose-Induced Changes in Gene Expression in Human Pancreatic Islets: Causes or Consequences of Chronic Hyperglycemia. <i>Diabetes</i> , 2017, 66, 3013-3028.	0.3	61
18	Robustness and lethality in multilayer biological molecular networks. <i>Nature Communications</i> , 2020, 11, 6043.	5.8	61

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19	Haplotype Sharing Provides Insights into Fine-Scale Population History and Disease in Finland. <i>American Journal of Human Genetics</i> , 2018, 102, 760-775.	2.6	57
20	Multi-ancestry genome-wide association study of gestational diabetes mellitus highlights genetic links with type 2 diabetes. <i>Human Molecular Genetics</i> , 2022, 31, 3377-3391.	1.4	47
21	MTHFR and MTRR genotype and haplotype analysis and colorectal cancer susceptibility in a case-control study from the Czech Republic. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 721, 74-80.	0.9	46
22	Genetic determinants of circulating GIP and GLP-1 concentrations. <i>JCI Insight</i> , 2017, 2, .	2.3	46
23	MECHANISMS IN ENDOCRINOLOGY: Epigenetic modifications and gestational diabetes: a systematic review of published literature. <i>European Journal of Endocrinology</i> , 2017, 176, R247-R267.	1.9	42
24	Subgroups of patients with young-onset type 2 diabetes in India reveal insulin deficiency as a major driver. <i>Diabetologia</i> , 2022, 65, 65-78.	2.9	34
25	Genetics of Type 2 Diabetes: It Matters From Which Parent We Inherit the Risk. <i>Review of Diabetic Studies</i> , 2015, 12, 233-242.	0.5	28
26	Controllability in an islet specific regulatory network identifies the transcriptional factor NFATC4, which regulates Type 2 Diabetes associated genes. <i>Npj Systems Biology and Applications</i> , 2018, 4, 25.	1.4	25
27	Chrelin suppresses insulin secretion in human islets and type 2 diabetes patients have diminished islet ghrelin cell number and lower plasma ghrelin levels. <i>Molecular and Cellular Endocrinology</i> , 2020, 511, 110835.	1.6	25
28	Silencing of the FTO gene inhibits insulin secretion: An in vitro study using GRINCH cells. <i>Molecular and Cellular Endocrinology</i> , 2018, 472, 10-17.	1.6	23
29	100 YEARS OF INSULIN: Towards improved precision and a new classification of diabetes mellitus. <i>Journal of Endocrinology</i> , 2022, 252, R59-R70.	1.2	22
30	Genome editing of human pancreatic beta cell models: problems, possibilities and outlook. <i>Diabetologia</i> , 2019, 62, 1329-1336.	2.9	20
31	Excess maternal transmission of variants in the THADA gene to offspring with type 2 diabetes. <i>Diabetologia</i> , 2016, 59, 1702-1713.	2.9	19
32	The MafA-target gene PPP1R1A regulates GLP1R-mediated amplification of glucose-stimulated insulin secretion in β -cells. <i>Metabolism: Clinical and Experimental</i> , 2021, 118, 154734.	1.5	19
33	Glucose-dependent insulinotropic peptide and risk of cardiovascular events and mortality: a prospective study. <i>Diabetologia</i> , 2020, 63, 1043-1054.	2.9	18
34	A manually curated functional annotation of the human X chromosome. <i>Nature Genetics</i> , 2005, 37, 331-332.	9.4	16
35	FOETAL for NCD—FOetal Exposure and Epidemiological Transitions: the role of Anaemia in early Life for Non-Communicable Diseases in later life: a prospective preconception study in rural Tanzania. <i>BMJ Open</i> , 2019, 9, e024861.	0.8	15
36	<i>RORB</i> and <i>RORC</i> associate with human islet dysfunction and inhibit insulin secretion in INS-1 cells. <i>Islets</i> , 2019, 11, 10-20.	0.9	15

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37	Loss of MafA and MafB expression promotes islet inflammation. <i>Scientific Reports</i> , 2019, 9, 9074.	1.6	14
38	Blood-based epigenetic estimators of chronological age in human adults using DNA methylation data from the Illumina MethylationEPIC array. <i>BMC Genomics</i> , 2020, 21, 747.	1.2	14
39	Genetic determinants of glucose levels in pregnancy: genetic risk scores analysis and GWAS in the Norwegian STORK cohort. <i>European Journal of Endocrinology</i> , 2018, 179, 363-372.	1.9	14
40	Association between genetic risk variants and glucose intolerance during pregnancy in north Indian women. <i>BMC Medical Genomics</i> , 2018, 11, 64.	0.7	13
41	Phenotypic and genotypic differences between Indian and Scandinavian women with gestational diabetes mellitus. <i>Journal of Internal Medicine</i> , 2019, 286, 192-206.	2.7	12
42	Life-long impairment of glucose homeostasis upon prenatal exposure to psychostimulants. <i>EMBO Journal</i> , 2020, 39, e100882.	3.5	11
43	Cohort profile: Epigenetics in Pregnancy (EPIPREG) – population-based sample of European and South Asian pregnant women with epigenome-wide DNA methylation (850k) in peripheral blood leukocytes. <i>PLoS ONE</i> , 2021, 16, e0256158.	1.1	11
44	MAFA and MAFB regulate exocytosis-related genes in human β -cells. <i>Acta Physiologica</i> , 2022, 234, e13761.	1.8	11
45	Role of osteopontin and its regulation in pancreatic islet. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1426-1431.	1.0	8
46	Association between the rs1544410 polymorphism in the vitamin D receptor (VDR) gene and insulin secretion after gestational diabetes mellitus. <i>PLoS ONE</i> , 2020, 15, e0232297.	1.1	8
47	Mapping the Cord Blood Transcriptome of Pregnancies Affected by Early Maternal Anemia to Identify Signatures of Fetal Programming. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 1303-1316.	1.8	8
48	Ribosomal biogenesis regulator DIMT1 controls β -cell protein synthesis, mitochondrial function, and insulin secretion. <i>Journal of Biological Chemistry</i> , 2022, 298, 101692.	1.6	8
49	BioBuilder as a database development and functional annotation platform for proteins. <i>BMC Bioinformatics</i> , 2004, 5, 43.	1.2	7
50	Single-Cell Sequencing of Human Pancreatic Islets – New Kids on the Block. <i>Cell Metabolism</i> , 2016, 24, 523-524.	7.2	7
51	MafA Expression Preserves Immune Homeostasis in Human and Mouse Islets. <i>Genes</i> , 2018, 9, 644.	1.0	7
52	Turning Vice into Virtue: Using Batch-Effects to Detect Errors in Large Genomic Data Sets. <i>Genome Biology and Evolution</i> , 2018, 10, 2697-2708.	1.1	7
53	High Prevalence of Gestational Diabetes Mellitus in Rural Tanzania – Diagnosis Mainly Based on Fasting Blood Glucose from Oral Glucose Tolerance Test. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3109.	1.2	7
54	Human pancreatic islet miRNA-mRNA networks of altered miRNAs due to glycemic status. <i>IScience</i> , 2022, 25, 103995.	1.9	7

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55	Association of single nucleotide polymorphisms with insulin secretion, insulin sensitivity, and diabetes in women with a history of gestational diabetes mellitus. BMC Medical Genomics, 2021, 14, 274.	0.7	6
56	Insulin secretion and action in North Indian women during pregnancy. Diabetic Medicine, 2017, 34, 1477-1482.	1.2	5
57	Perinatal famine is associated with excess risk of proliferative retinopathy in patients with type 2 diabetes. Acta Ophthalmologica, 2022, 100, .	0.6	5
58	Novel diabetes subgroups – Authors' reply. Lancet Diabetes and Endocrinology, the, 2018, 6, 440-441.	5.5	4
59	Heterogeneity of diabetes – An Indian perspective. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2019, 13, 3065-3067.	1.8	4
60	SCRT1 is a novel beta cell transcription factor with insulin regulatory properties. Molecular and Cellular Endocrinology, 2021, 521, 111107.	1.6	4
61	Genetic factors affect the susceptibility to bacterial infections in diabetes. Scientific Reports, 2021, 11, 9464.	1.6	2
62	MuscleAtlasExplorer: a web service for studying gene expression in human skeletal muscle. Database: the Journal of Biological Databases and Curation, 2020, 2020, .	1.4	2
63	Genetics of Diabetes and Diabetic Complications. Endocrinology, 2018, , 81-139.	0.1	1
64	Neuronal Dysfunction Is Linked to the Famine-Associated Risk of Proliferative Retinopathy in Patients With Type 2 Diabetes. Frontiers in Neuroscience, 2022, 16, .	1.4	1
65	Genetics of Diabetes and Diabetic Complications. Endocrinology, 2018, , 1-60.	0.1	0
66	1410-P: High Prevalence of Gestational Diabetes among Women in Rural District of North-Eastern Tanzania. Diabetes, 2019, 68, .	0.3	0
67	Lipid-Associated Variants near ANGPTL3 and LPL Show Parent-of-Origin Specific Effects on Blood Lipid Levels and Obesity. Genes, 2022, 13, 91.	1.0	0
68	Title is missing!. , 2020, 15, e0232297.		0
69	Title is missing!. , 2020, 15, e0232297.		0
70	Title is missing!. , 2020, 15, e0232297.		0
71	Title is missing!. , 2020, 15, e0232297.		0