

Rameshwar N K Bamezai

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,311
citations

218381

26
h-index

214527

47
g-index

63
all docs

63
docs citations

63
times ranked

4125
citing authors

#	ARTICLE	IF	CITATIONS
1	Human pyruvate kinase M2: A multifunctional protein. <i>Protein Science</i> , 2010, 19, 2031-2044.	3.1	232
2	Pyruvate kinase M2 and cancer: an updated assessment. <i>FEBS Letters</i> , 2014, 588, 2685-2692.	1.3	153
3	Mitochondrial DNA G10398A polymorphism imparts maternal Haplogroup N a risk for breast and esophageal cancer. <i>Cancer Letters</i> , 2007, 249, 249-255.	3.2	151
4	Leprosy and the Adaptation of Human Toll-Like Receptor 1. <i>PLoS Pathogens</i> , 2010, 6, e1000979.	2.1	139
5	Curcumin decreases Warburg effect in cancer cells by down-regulating pyruvate kinase M2 via mTOR-HIF1 α inhibition. <i>Scientific Reports</i> , 2018, 8, 8323.	1.6	106
6	Posttranslational Modifications of Pyruvate Kinase M2: Tweaks that Benefit Cancer. <i>Frontiers in Oncology</i> , 2018, 8, 22.	1.3	99
7	Insulin enhances metabolic capacities of cancer cells by dual regulation of glycolytic enzyme pyruvate kinase M2. <i>Molecular Cancer</i> , 2013, 12, 72.	7.9	94
8	Resveratrol Inhibits Cancer Cell Metabolism by Down Regulating Pyruvate Kinase M2 via Inhibition of Mammalian Target of Rapamycin. <i>PLoS ONE</i> , 2012, 7, e36764.	1.1	79
9	Role of H2AX in DNA damage response and human cancers. <i>Mutation Research - Reviews in Mutation Research</i> , 2009, 681, 180-188.	2.4	73
10	miR-24-2 controls H2AFX expression regardless of gene copy number alteration and induces apoptosis by targeting antiapoptotic gene BCL-2: a potential for therapeutic intervention. <i>Breast Cancer Research</i> , 2011, 13, R39.	2.2	72
11	p53 mutation profile of squamous cell carcinomas of the esophagus in Kashmir (India): A high-incidence area. <i>International Journal of Cancer</i> , 2005, 116, 62-68.	2.3	62
12	The Indian origin of paternal haplogroup R1a1* substantiates the autochthonous origin of Brahmins and the caste system. <i>Journal of Human Genetics</i> , 2009, 54, 47-55.	1.1	54
13	Implication of BRCA2 -26G>A 5' untranslated region polymorphism in susceptibility to sporadic breast cancer and its modulation by p53codon 72 Arg>Pro polymorphism. <i>Breast Cancer Research</i> , 2007, 9, R71.	2.2	52
14	Pyruvate kinase M knockdown-induced signaling via AMP-activated protein kinase promotes mitochondrial biogenesis, autophagy, and cancer cell survival. <i>Journal of Biological Chemistry</i> , 2017, 292, 15561-15576.	1.6	51
15	Synergistic Combination of Gemcitabine and Dietary Molecule Induces Apoptosis in Pancreatic Cancer Cells and Down Regulates PKM2 Expression. <i>PLoS ONE</i> , 2014, 9, e107154.	1.1	47
16	Resveratrol inhibits TIGAR to promote ROS induced apoptosis and autophagy. <i>Biochimie</i> , 2015, 118, 26-35.	1.3	47
17	Concomitant presence of mutations in mitochondrial genome and p53 in cancer development—A study in north Indian sporadic breast and esophageal cancer patients. <i>International Journal of Cancer</i> , 2008, 123, 2580-2586.	2.3	46
18	The Interactive Effect of SIRT1 Promoter Region Polymorphism on Type 2 Diabetes Susceptibility in the North Indian Population. <i>PLoS ONE</i> , 2012, 7, e48621.	1.1	44

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19	Copy number alterations of the H2AFX gene in sporadic breast cancer patients. <i>Cancer Genetics and Cytogenetics</i> , 2008, 180, 121-128.	1.0	33
20	Role of telomeres and associated maintenance genes in Type 2 Diabetes Mellitus: A review. <i>Diabetes Research and Clinical Practice</i> , 2016, 122, 92-100.	1.1	33
21	Genetic Variations and Interactions in Anti-inflammatory Cytokine Pathway Genes in the Outcome of Leprosy: A Study Conducted on a MassARRAY Platform. <i>Journal of Infectious Diseases</i> , 2011, 204, 1264-1273.	1.9	32
22	<i>IL12B</i> SNPs and copy number variation in <i>IL23R</i> gene associated with susceptibility to leprosy. <i>Journal of Medical Genetics</i> , 2013, 50, 34-42.	1.5	32
23	Investigation of DNA damage response and apoptotic gene methylation pattern in sporadic breast tumors using high throughput quantitative DNA methylation analysis technology. <i>Molecular Cancer</i> , 2010, 9, 303.	7.9	31
24	ERK2-ZEB1-miR-101-1 axis contributes to epithelial-mesenchymal transition and cell migration in cancer. <i>Cancer Letters</i> , 2017, 391, 59-73.	3.2	31
25	Dominant Negative Mutations Affect Oligomerization of Human Pyruvate Kinase M2 Isozyme and Promote Cellular Growth and Polyploidy. <i>Journal of Biological Chemistry</i> , 2010, 285, 16864-16873.	1.6	28
26	Pyruvate Kinase M2: Regulatory Circuits and Potential for Therapeutic Intervention. <i>Current Pharmaceutical Design</i> , 2014, 20, 2595-2606.	0.9	28
27	Replication of Type 2 Diabetes Candidate Genes Variations in Three Geographically Unrelated Indian Population Groups. <i>PLoS ONE</i> , 2013, 8, e58881.	1.1	27
28	Functional implication of TRAIL γ 716 C/T promoter polymorphism on its in vitro and in vivo expression and the susceptibility to sporadic breast tumor. <i>Breast Cancer Research and Treatment</i> , 2011, 126, 333-343.	1.1	26
29	Moderate DNA damage promotes metabolic flux into PPP via PKM2 Y-105 phosphorylation: a feature that favours cancer cells. <i>Molecular Biology Reports</i> , 2015, 42, 1317-1321.	1.0	26
30	Mapping of PARK2 and PACRG Overlapping Regulatory Region Reveals LD Structure and Functional Variants in Association with Leprosy in Unrelated Indian Population Groups. <i>PLoS Genetics</i> , 2013, 9, e1003578.	1.5	24
31	mtDNA germ line variation mediated ROS generates retrograde signaling and induces pro-cancerous metabolic features. <i>Scientific Reports</i> , 2014, 4, 6571.	1.6	24
32	Apoptosis regulatory protein-protein interaction demonstrates hierarchical scale-free fractal network. <i>Briefings in Bioinformatics</i> , 2015, 16, 675-699.	3.2	24
33	Association of variants in BAT1-LTA-TNF-BTNL2 genes within 6p21.3 region show graded risk to leprosy in unrelated cohorts of Indian population. <i>Human Genetics</i> , 2012, 131, 703-716.	1.8	23
34	Mitochondrial ND5 mutation mediated elevated ROS regulates apoptotic pathway epigenetically in a P53 dependent manner for generating pro-cancerous phenotypes. <i>Mitochondrion</i> , 2017, 35, 35-43.	1.6	23
35	Differential Behavior of Missense Mutations in the Intersubunit Contact Domain of the Human Pyruvate Kinase M2 Isozyme. <i>Journal of Biological Chemistry</i> , 2009, 284, 11971-11981.	1.6	21
36	Ancient Human Migrations to and through Jammu Kashmir- India were not of Males Exclusively. <i>Scientific Reports</i> , 2018, 8, 851.	1.6	21

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37	Meta-analysis of mitochondrial T16189C polymorphism for cancer and Type 2 diabetes risk. <i>Clinica Chimica Acta</i> , 2018, 482, 136-143.	0.5	20
38	Missense Mutations in Pyruvate Kinase M2 Promote Cancer Metabolism, Oxidative Endurance, Anchorage Independence, and Tumor Growth in a Dominant Negative Manner. <i>Journal of Biological Chemistry</i> , 2014, 289, 8098-8105.	1.6	19
39	In Silico Screening, Genotyping, Molecular Dynamics Simulation and Activity Studies of SNPs in Pyruvate Kinase M2. <i>PLoS ONE</i> , 2015, 10, e0120469.	1.1	19
40	PARK2 and proinflammatory/anti-inflammatory cytokine gene interactions contribute to the susceptibility to leprosy: a case-control study of North Indian population. <i>BMJ Open</i> , 2014, 4, e004239.	0.8	16
41	miR-24-2 regulates genes in survival pathway and demonstrates potential in reducing cellular viability in combination with docetaxel. <i>Gene</i> , 2015, 567, 217-224.	1.0	16
42	ERK2-Pyruvate Kinase Axis Permits Phorbol 12-Myristate 13-Acetate-induced Megakaryocyte Differentiation in K562 Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 23803-23815.	1.6	15
43	Combined effect of microRNA, nutraceuticals and drug on pancreatic cancer cell lines. <i>Chemico-Biological Interactions</i> , 2015, 233, 56-64.	1.7	14
44	Interplay between Epigenetics & Cancer Metabolism. <i>Current Pharmaceutical Design</i> , 2014, 20, 1706-1714.	0.9	14
45	How Far Have We Reached in Tuberculosis Vaccine Development?. <i>Critical Reviews in Microbiology</i> , 2003, 29, 297-312.	2.7	13
46	Role of ectopically expressed mtDNA encoded cytochrome c oxidase subunit I (MT-COI) in tumorigenesis. <i>Mitochondrion</i> , 2019, 49, 56-65.	1.6	13
47	Y chromosome diversity among the Iranian religious groups: A reservoir of genetic variation. <i>Annals of Human Biology</i> , 2011, 38, 364-371.	0.4	11
48	Expression of DNA damage response genes indicate progressive breast tumors. <i>Cancer Letters</i> , 2009, 273, 305-311.	3.2	9
49	Microsatellite Instability: An Indirect Assay to Detect Defects in the Cellular Mismatch Repair Machinery. <i>Methods in Molecular Biology</i> , 2014, 1105, 497-509.	0.4	9
50	A novel subgroup Q5 of human Y-chromosomal haplogroup Q in India. <i>BMC Evolutionary Biology</i> , 2007, 7, 232.	3.2	7
51	Identification of key regulators and their controlling mechanism in a combinatorial apoptosis network: a systems biology approach. <i>Molecular BioSystems</i> , 2016, 12, 3357-3369.	2.9	7
52	Gel-Based Nonradioactive Single-Strand Conformational Polymorphism and Mutation Detection: Limitations and Solutions. <i>Methods in Molecular Biology</i> , 2014, 1105, 365-380.	0.4	6
53	MicroRNA (hsa-miR-19b-2-5p) targets key mitochondrial biogenesis genes-a bioinformatics analysis. <i>Mitochondrion</i> , 2018, 43, 30-36.	1.6	4
54	Study of YAP Element among an Endogamous Human Isolate in Punjab. <i>International Journal of Human Genetics</i> , 2008, 8, 269-271.	0.1	3

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55	NOS2A promoter (CCTTT) _n association with TB lacks independent functional correlation amongst Indians. Tuberculosis, 2014, 94, 81-86.	0.8	2
56	Hamiltonian energy as an efficient approach to identify the significant key regulators in biological networks. PLoS ONE, 2019, 14, e0221463.	1.1	2
57	Pyruvate Kinase M2. , 2016, , 1-11.		2
58	Pyruvate Kinase M2. , 2018, , 4323-4333.		1
59	Molecular modeling on pyruvate phosphate dikinase of entamoeba histolytica and In silico virtual screening for novel inhibitors. , 2007, , .		0
60	H2AFX (H2A histone family, member X). Atlas of Genetics and Cytogenetics in Oncology and Haematology, 2011, , .	0.1	0