

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	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
2	Hamiltonian energy as an efficient approach to identify the significant key regulators in biological networks. <i>PLoS ONE</i> , 2019, 14, e0221463.	1.1	2
3	MicroRNA (hsa-miR-19b-2-5p) targets key mitochondrial biogenesis genes-a bioinformatics analysis. <i>Mitochondrion</i> , 2018, 43, 30-36.	1.6	4
4	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
5	Ancient Human Migrations to and through Jammu Kashmir- India were not of Males Exclusively. <i>Scientific Reports</i> , 2018, 8, 851.	1.6	21
6	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
7	Posttranslational Modifications of Pyruvate Kinase M2: Tweaks that Benefit Cancer. <i>Frontiers in Oncology</i> , 2018, 8, 22.	1.3	99
8	Pyruvate Kinase M2. , 2018, , 4323-4333.		1
9	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
10	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
11	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
12	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
13	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
14	Pyruvate Kinase M2. , 2016, , 1-11.		2
15	Resveratrol inhibits TIGAR to promote ROS induced apoptosis and autophagy. <i>Biochimie</i> , 2015, 118, 26-35.	1.3	47
16	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
17	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
18	Combined effect of microRNA, nutraceuticals and drug on pancreatic cancer cell lines. <i>Chemico-Biological Interactions</i> , 2015, 233, 56-64.	1.7	14

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19	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
20	Apoptosis regulatory proteinâ€“protein interaction demonstrates hierarchical scale-free fractal network. <i>Briefings in Bioinformatics</i> , 2015, 16, 675-699.	3.2	24
21	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
22	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
23	PARK2 and proinflammatory/anti-inflammatory cytokine gene interactions contribute to the susceptibility to leprosy: a caseâ€“control study of North Indian population. <i>BMJ Open</i> , 2014, 4, e004239.	0.8	16
24	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
25	Pyruvate kinase M2 and cancer: an updated assessment. <i>FEBS Letters</i> , 2014, 588, 2685-2692.	1.3	153
26	NOS2A promoter (CCTTT)n association with TB lacks independent functional correlation amongst Indians. <i>Tuberculosis</i> , 2014, 94, 81-86.	0.8	2
27	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
28	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
29	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
30	Pyruvate Kinase M2: Regulatory Circuits and Potential for Therapeutic Intervention. <i>Current Pharmaceutical Design</i> , 2014, 20, 2595-2606.	0.9	28
31	Interplay between Epigenetics & Cancer Metabolism. <i>Current Pharmaceutical Design</i> , 2014, 20, 1706-1714.	0.9	14
32	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
33	<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
34	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
35	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
36	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

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37	Resveratrol Inhibits Cancer Cell Metabolism by Down Regulating Pyruvate Kinase M2 via Inhibition of Mammalian Target of Rapamycin. PLoS ONE, 2012, 7, e36764.	1.1	79
38	The Interactive Effect of SIRT1 Promoter Region Polymorphism on Type 2 Diabetes Susceptibility in the North Indian Population. PLoS ONE, 2012, 7, e48621.	1.1	44
39	Y chromosome diversity among the Iranian religious groups: A reservoir of genetic variation. Annals of Human Biology, 2011, 38, 364-371.	0.4	11
40	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. Breast Cancer Research, 2011, 13, R39.	2.2	72
41	H2AFX (H2A histone family, member X). Atlas of Genetics and Cytogenetics in Oncology and Haematology, 2011, , .	0.1	0
42	Functional implication of TRAIL \sim 716 C/T promoter polymorphism on its in vitro and in vivo expression and the susceptibility to sporadic breast tumor. Breast Cancer Research and Treatment, 2011, 126, 333-343.	1.1	26
43	Genetic Variations and Interactions in Anti-inflammatory Cytokine Pathway Genes in the Outcome of Leprosy: A Study Conducted on a MassARRAY Platform. Journal of Infectious Diseases, 2011, 204, 1264-1273.	1.9	32
44	Human pyruvate kinase M2: A multifunctional protein. Protein Science, 2010, 19, 2031-2044.	3.1	232
45	Dominant Negative Mutations Affect Oligomerization of Human Pyruvate Kinase M2 Isozyme and Promote Cellular Growth and Polyploidy. Journal of Biological Chemistry, 2010, 285, 16864-16873.	1.6	28
46	Leprosy and the Adaptation of Human Toll-Like Receptor 1. PLoS Pathogens, 2010, 6, e1000979.	2.1	139
47	Investigation of DNA damage response and apoptotic gene methylation pattern in sporadic breast tumors using high throughput quantitative DNA methylation analysis technology. Molecular Cancer, 2010, 9, 303.	7.9	31
48	Differential Behavior of Missense Mutations in the Intersubunit Contact Domain of the Human Pyruvate Kinase M2 Isozyme. Journal of Biological Chemistry, 2009, 284, 11971-11981.	1.6	21
49	Expression of DNA damage response genes indicate progressive breast tumors. Cancer Letters, 2009, 273, 305-311.	3.2	9
50	Role of H2AX in DNA damage response and human cancers. Mutation Research - Reviews in Mutation Research, 2009, 681, 180-188.	2.4	73
51	The Indian origin of paternal haplogroup R1a1* substantiates the autochthonous origin of Brahmins and the caste system. Journal of Human Genetics, 2009, 54, 47-55.	1.1	54
52	Concomitant presence of mutations in mitochondrial genome and <i>p53</i> in cancer development—A study in north Indian sporadic breast and esophageal cancer patients. International Journal of Cancer, 2008, 123, 2580-2586.	2.3	46
53	Copy number alterations of the H2AFX gene in sporadic breast cancer patients. Cancer Genetics and Cytogenetics, 2008, 180, 121-128.	1.0	33
54	Study of YAP Element among an Endogamous Human Isolate in Punjab. International Journal of Human Genetics, 2008, 8, 269-271.	0.1	3

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55	Molecular modeling on pyruvate phosphate dikinase of entamoeba histolytica and In silico virtual screening for novel inhibitors. , 2007, , .		0
56	Mitochondrial DNA G10398A polymorphism imparts maternal Haplogroup N a risk for breast and esophageal cancer. Cancer Letters, 2007, 249, 249-255.	3.2	151
57	Implication of BRCA2 -26G>A 5' untranslated region polymorphism in susceptibility to sporadic breast cancer and its modulation by p53codon 72 Arg>Pro polymorphism. Breast Cancer Research, 2007, 9, R71.	2.2	52
58	A novel subgroup Q5 of human Y-chromosomal haplogroup Q in India. BMC Evolutionary Biology, 2007, 7, 232.	3.2	7
59	p53 mutation profile of squamous cell carcinomas of the esophagus in Kashmir (India): A high-incidence area. International Journal of Cancer, 2005, 116, 62-68.	2.3	62
60	How Far Have We Reached in Tuberculosis Vaccine Development?. Critical Reviews in Microbiology, 2003, 29, 297-312.	2.7	13