

# Vasu Punj

## List of Publications by Year in descending order

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55  
papers

2,574  
citations

186265

28  
h-index

197818

49  
g-index

57  
all docs

57  
docs citations

57  
times ranked

4626  
citing authors

#	ARTICLE	IF	CITATIONS
1	NANOG Metabolically Reprograms Tumor-Initiating Stem-like Cells through Tumorigenic Changes in Oxidative Phosphorylation and Fatty Acid Metabolism. <i>Cell Metabolism</i> , 2016, 23, 206-219.	16.2	285
2	Bacterial redox protein azurin, tumor suppressor protein p53, and regression of cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14098-14103.	7.1	160
3	Bacterial cupredoxin azurin as an inducer of apoptosis and regression in human breast cancer. <i>Oncogene</i> , 2004, 23, 2367-2378.	5.9	133
4	Transcriptional regulation of autophagy-lysosomal function in BRAF-driven melanoma progression and chemoresistance. <i>Nature Communications</i> , 2019, 10, 1693.	12.8	119
5	Genome-wide profiling identifies a DNA methylation signature that associates with TET2 mutations in diffuse large B-cell lymphoma. <i>Haematologica</i> , 2013, 98, 1912-1920.	3.5	116
6	Plasminogen Activator Inhibitor-1 Promotes the Recruitment and Polarization of Macrophages in Cancer. <i>Cell Reports</i> , 2018, 25, 2177-2191.e7.	6.4	92
7	Internalization of bacterial redox protein azurin in mammalian cells: entry domain and specificity. <i>Cellular Microbiology</i> , 2005, 7, 1418-1431.	2.1	87
8	MMP-9 facilitates selective proteolysis of the histone H3 tail at genes necessary for proficient osteoclastogenesis. <i>Genes and Development</i> , 2016, 30, 208-219.	5.9	87
9	Pluripotency factor-mediated expression of the leptin receptor (OB-R) links obesity to oncogenesis through tumor-initiating stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 829-834.	7.1	85
10	The Bacterial Redox Protein Azurin Induces Apoptosis in J774 Macrophages through Complex Formation and Stabilization of the Tumor Suppressor Protein p53. <i>Infection and Immunity</i> , 2002, 70, 7054-7062.	2.2	77
11	Molecular and Biotechnological Advances in Milk Proteins in Relation to Human Health. <i>Current Protein and Peptide Science</i> , 2009, 10, 308-338.	1.4	75
12	Gene dysregulation by histone variant H2A.Z in bladder cancer. <i>Epigenetics and Chromatin</i> , 2013, 6, 34.	3.9	74
13	Differentiation of Human Limbal-Derived Induced Pluripotent Stem Cells Into Limbal-Like Epithelium. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1002-1012.	3.3	74
14	Cooperation between SMYD3 and PC4 drives a distinct transcriptional program in cancer cells. <i>Nucleic Acids Research</i> , 2015, 43, 8868-8883.	14.5	63
15	BMP signaling orchestrates a transcriptional network to control the fate of mesenchymal stem cells in mice. <i>Development (Cambridge)</i> , 2017, 144, 2560-2569.	2.5	57
16	Proteasome inhibitor Bortezomib induces cell-cycle arrest and apoptosis in cell lines derived from Ewing's sarcoma family of tumors and synergizes with TRAIL. <i>Cancer Biology and Therapy</i> , 2008, 7, 603-608.	3.4	54
17	NUMB phosphorylation destabilizes p53 and promotes self-renewal of tumor-initiating cells by a NANOG-dependent mechanism in liver cancer. <i>Hepatology</i> , 2015, 62, 1466-1479.	7.3	49
18	Expression profiling of circulating tumor cells in metastatic breast cancer. <i>Breast Cancer Research and Treatment</i> , 2015, 149, 121-131.	2.5	48

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19	Recent nanotechnological interventions targeting PI3K/Akt/mTOR pathway: A focus on breast cancer. <i>Seminars in Cancer Biology</i> , 2019, 59, 133-146.	9.6	48
20	K13 Blocks KSHV Lytic Replication and Deregulates vIL6 and hIL6 Expression: A Model of Lytic Replication Induced Clonal Selection in Viral Oncogenesis. <i>PLoS ONE</i> , 2007, 2, e1067.	2.5	46
21	Phagocytic Cell Killing Mediated by Secreted Cytotoxic Factors of <i>Vibrio cholerae</i> . <i>Infection and Immunity</i> , 2000, 68, 4930-4937.	2.2	44
22	Redox proteins in mammalian cell death: an evolutionarily conserved function in mitochondria and prokaryotes. <i>Cellular Microbiology</i> , 2003, 5, 225-231.	2.1	44
23	Adenylate Kinase as a Virulence Factor of <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2001, 183, 3345-3352.	2.2	39
24	Bacterial cupredoxin azurin and its interactions with the tumor suppressor protein p53. <i>Biochemical and Biophysical Research Communications</i> , 2003, 312, 109-114.	2.1	38
25	A Pilot Genome-Scale Profiling of DNA Methylation in Sporadic Pituitary Macroadenomas: Association with Tumor Invasion and Histopathological Subtype. <i>PLoS ONE</i> , 2014, 9, e96178.	2.5	36
26	Microbial based therapy of cancer: A new twist to an age old practice. <i>Cancer Biology and Therapy</i> , 2004, 3, 708-714.	3.4	32
27	Genome-wide analysis suggests a differential microRNA signature associated with normal and diabetic human corneal limbus. <i>Scientific Reports</i> , 2017, 7, 3448.	3.3	32
28	EpCAM based capture detects and recovers circulating tumor cells from all subtypes of breast cancer except claudin-low. <i>Oncotarget</i> , 2015, 6, 44623-44634.	1.8	30
29	A truncating mutation in the autophagy gene UVRAG drives inflammation and tumorigenesis in mice. <i>Nature Communications</i> , 2019, 10, 5681.	12.8	30
30	Regulation of Breast Cancer-Induced Osteoclastogenesis by MacroH2A1.2 Involving EZH2-Mediated H3K27me3. <i>Cell Reports</i> , 2018, 24, 224-237.	6.4	29
31	p53 destabilizing protein skews asymmetric division and enhances NOTCH activation to direct self-renewal of TICs. <i>Nature Communications</i> , 2020, 11, 3084.	12.8	26
32	Kaposi sarcoma-associated herpesvirus-encoded viral FLICE inhibitory protein (vFLIP) K13 cooperates with Myc to promote lymphoma in mice. <i>Cancer Biology and Therapy</i> , 2010, 10, 1033-1040.	3.4	25
33	The TBC1D15 Oncoprotein Controls Stem Cell Self-Renewal through Destabilization of the Numb-p53 Complex. <i>PLoS ONE</i> , 2013, 8, e57312.	2.5	22
34	NEMO Is Essential for Kaposi's Sarcoma-Associated Herpesvirus-Encoded vFLIP K13-Induced Gene Expression and Protection against Death Receptor-Induced Cell Death, and Its N-Terminal 251 Residues Are Sufficient for This Process. <i>Journal of Virology</i> , 2014, 88, 6345-6354.	3.4	22
35	Promoter Methylation Analysis Reveals That <i>KCNA5</i> Ion Channel Silencing Supports Ewing Sarcoma Cell Proliferation. <i>Molecular Cancer Research</i> , 2016, 14, 26-34.	3.4	22
36	Integrated microarray and multiplex cytokine analyses of Kaposi's Sarcoma Associated Herpesvirus viral FLICE Inhibitory Protein K13 affected genes and cytokines in human blood vascular endothelial cells. <i>BMC Medical Genomics</i> , 2009, 2, 50.	1.5	21

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37	Induction of CCL20 production by Kaposi sarcoma-associated herpesvirus: role of viral FLICE inhibitory protein K13-induced NF- $\kappa$ B activation. <i>Blood</i> , 2009, 113, 5660-5668.	1.4	20
38	Nanocapsules loaded with iron-saturated bovine lactoferrin have antimicrobial therapeutic potential and maintain calcium, zinc and iron metabolism. <i>Nanomedicine</i> , 2015, 10, 1289-1314.	3.3	20
39	MacroH2A1.2 inhibits prostate cancer-induced osteoclastogenesis through cooperation with HP1 $\alpha$ and H1.2. <i>Oncogene</i> , 2018, 37, 5749-5765.	5.9	20
40	Efficient Generation and Transcriptomic Profiling of Human iPSC-Derived Pulmonary Neuroendocrine Cells. <i>IScience</i> , 2020, 23, 101083.	4.1	20
41	Energy-Generating Enzymes of <i>Burkholderia cepacia</i> and Their Interactions with Macrophages. <i>Journal of Bacteriology</i> , 2003, 185, 3167-3178.	2.2	19
42	X-Linked Ectodermal Dysplasia Receptor Is Downregulated in Breast Cancer via Promoter Methylation. <i>Clinical Cancer Research</i> , 2010, 16, 1140-1148.	7.0	19
43	JUN-Mediated Downregulation of EGFR Signaling Is Associated with Resistance to Gefitinib in EGFR-mutant NSCLC Cell Lines. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 1645-1657.	4.1	18
44	Epigenetic changes in myelofibrosis: Distinct methylation changes in the myeloid compartments and in cases with ASXL1 mutations. <i>Scientific Reports</i> , 2017, 7, 6774.	3.3	16
45	A Computational Profiling of Changes in Gene Expression and Transcription Factors Induced by vFLIP K13 in Primary Effusion Lymphoma. <i>PLoS ONE</i> , 2012, 7, e37498.	2.5	16
46	A20 Is Induced by Kaposi Sarcoma-associated Herpesvirus-encoded Viral FLICE Inhibitory Protein (vFLIP) K13 and Blocks K13-induced Nuclear Factor- $\kappa$ B in a Negative Feedback Manner. <i>Journal of Biological Chemistry</i> , 2011, 286, 21555-21564.	3.4	15
47	Whole-exome sequencing and genome-wide methylation analyses identify novel disease associated mutations and methylation patterns in idiopathic hypereosinophilic syndrome. <i>Oncotarget</i> , 2015, 6, 40588-40597.	1.8	14
48	Derivation of induced pluripotent stem cells from ferret somatic cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L671-L683.	2.9	13
49	Integrated Transcriptome and Proteome Analyses Reveal the Regulatory Role of miR-146a in Human Limbal Epithelium via Notch Signaling. <i>Cells</i> , 2020, 9, 2175.	4.1	11
50	RTD-1 therapeutically normalizes synovial gene signatures in rat autoimmune arthritis and suppresses proinflammatory mediators in RA synovial fibroblasts. <i>Physiological Genomics</i> , 2019, 51, 657-667.	2.3	10
51	Intravenous delivery of microRNA-133b along with Argonaute-2 enhances spinal cord recovery following cervical contusion in mice. <i>Spine Journal</i> , 2020, 20, 1138-1151.	1.3	10
52	A comparative molecular dynamic simulation study on potent ligands targeting mTOR/FRB domain for breast cancer therapy. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 1339-1347.	3.1	5
53	Brcal Mutations Enhance Mouse Reproductive Functions by Increasing Responsiveness to Male-Derived Scent. <i>PLoS ONE</i> , 2015, 10, e0139013.	2.5	3
54	MicroRNA profiling in MDA-MB-231 human breast cancer cell exposed to the <i>Phaleria macrocarpa</i> (Boerl.) fruit ethyl acetate fraction (PMEAF) through Illumina Hi-Seq technologies and various in silico bioinformatics tools. <i>Journal of Ethnopharmacology</i> , 2018, 213, 118-131.	4.1	2

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55	Orchestration of Host-Pathogen Interaction: Relevance of Iron in Generation of Potent Anti-M. tuberculosis Immunity. Current Pharmaceutical Biotechnology, 2014, 15, 1095-1104.	1.6	0