

Vasu Punj

List of Publications by Year in descending order

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Version: 2024-02-01

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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Efficient Generation and Transcriptomic Profiling of Human iPSC-Derived Pulmonary Neuroendocrine Cells. <i>IScience</i> , 2020, 23, 101083. | 4.1 | 20 |
| 6 | 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 |
| 7 | 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 |
| 8 | Transcriptional regulation of autophagy-lysosomal function in BRAF-driven melanoma progression and chemoresistance. <i>Nature Communications</i> , 2019, 10, 1693. | 12.8 | 119 |
| 9 | 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 |
| 10 | A truncating mutation in the autophagy gene UVRAG drives inflammation and tumorigenesis in mice. <i>Nature Communications</i> , 2019, 10, 5681. | 12.8 | 30 |
| 11 | 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 |
| 12 | 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 |
| 13 | Regulation of Breast Cancer-Induced Osteoclastogenesis by MacroH2A1.2 Involving EZH2-Mediated H3K27me3. <i>Cell Reports</i> , 2018, 24, 224-237. | 6.4 | 29 |
| 14 | MacroH2A1.2 inhibits prostate cancer-induced osteoclastogenesis through cooperation with HP1 α and H1.2. <i>Oncogene</i> , 2018, 37, 5749-5765. | 5.9 | 20 |
| 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 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|--|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Expression profiling of circulating tumor cells in metastatic breast cancer. <i>Breast Cancer Research and Treatment</i> , 2015, 149, 121-131. | 2.5 | 48 |
| 28 | Brca1 Mutations Enhance Mouse Reproductive Functions by Increasing Responsiveness to Male-Derived Scent. <i>PLoS ONE</i> , 2015, 10, e0139013. | 2.5 | 3 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | Orchestration of Host-Pathogen Interaction: Relevance of Iron in Generation of Potent Anti-M. tuberculosis Immunity. <i>Current Pharmaceutical Biotechnology</i> , 2014, 15, 1095-1104. | 1.6 | 0 |
| 33 | Gene dysregulation by histone variant H2A.Z in bladder cancer. <i>Epigenetics and Chromatin</i> , 2013, 6, 34. | 3.9 | 74 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | A Computational Profiling of Changes in Gene Expression and Transcription Factors Induced by vFLIP K13 in Primary Effusion Lymphoma. PLoS ONE, 2012, 7, e37498. | 2.5 | 16 |
| 38 | A20 Is Induced by Kaposi Sarcoma-associated Herpesvirus-encoded Viral FLICE Inhibitory Protein (vFLIP) K13 and Blocks K13-induced Nuclear Factor- κ B in a Negative Feedback Manner. Journal of Biological Chemistry, 2011, 286, 21555-21564. | 3.4 | 15 |
| 39 | Kaposi sarcoma-associated herpesvirus-encoded viral FLICE inhibitory protein (vFLIP) K13 cooperates with Myc to promote lymphoma in mice. Cancer Biology and Therapy, 2010, 10, 1033-1040. | 3.4 | 25 |
| 40 | X-Linked Ectodermal Dysplasia Receptor Is Downregulated in Breast Cancer via Promoter Methylation. Clinical Cancer Research, 2010, 16, 1140-1148. | 7.0 | 19 |
| 41 | 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. BMC Medical Genomics, 2009, 2, 50. | 1.5 | 21 |
| 42 | Induction of CCL20 production by Kaposi sarcoma-associated herpesvirus: role of viral FLICE inhibitory protein K13-induced NF- κ B activation. Blood, 2009, 113, 5660-5668. | 1.4 | 20 |
| 43 | Molecular and Biotechnological Advances in Milk Proteins in Relation to Human Health. Current Protein and Peptide Science, 2009, 10, 308-338. | 1.4 | 75 |
| 44 | Proteasome inhibitor Bortezomib induces cell-cycle arrest and apoptosis in cell lines derived from Ewing's sarcoma family of tumors and synergizes with TRAIL. Cancer Biology and Therapy, 2008, 7, 603-608. | 3.4 | 54 |
| 45 | K13 Blocks KSHV Lytic Replication and Deregulates vIL6 and hIL6 Expression: A Model of Lytic Replication Induced Clonal Selection in Viral Oncogenesis. PLoS ONE, 2007, 2, e1067. | 2.5 | 46 |
| 46 | Internalization of bacterial redox protein azurin in mammalian cells: entry domain and specificity. Cellular Microbiology, 2005, 7, 1418-1431. | 2.1 | 87 |
| 47 | Microbial based therapy of cancer: A new twist to an age old practice. Cancer Biology and Therapy, 2004, 3, 708-714. | 3.4 | 32 |
| 48 | Bacterial cupredoxin azurin as an inducer of apoptosis and regression in human breast cancer. Oncogene, 2004, 23, 2367-2378. | 5.9 | 133 |
| 49 | Redox proteins in mammalian cell death: an evolutionarily conserved function in mitochondria and prokaryotes. Cellular Microbiology, 2003, 5, 225-231. | 2.1 | 44 |
| 50 | Bacterial cupredoxin azurin and its interactions with the tumor suppressor protein p53. Biochemical and Biophysical Research Communications, 2003, 312, 109-114. | 2.1 | 38 |
| 51 | Energy-Generating Enzymes of Burkholderia cepacia and Their Interactions with Macrophages. Journal of Bacteriology, 2003, 185, 3167-3178. | 2.2 | 19 |
| 52 | Bacterial redox protein azurin, tumor suppressor protein p53, and regression of cancer. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14098-14103. | 7.1 | 160 |
| 53 | The Bacterial Redox Protein Azurin Induces Apoptosis in J774 Macrophages through Complex Formation and Stabilization of the Tumor Suppressor Protein p53. Infection and Immunity, 2002, 70, 7054-7062. | 2.2 | 77 |
| 54 | Adenylate Kinase as a Virulence Factor of Pseudomonas aeruginosa. Journal of Bacteriology, 2001, 183, 3345-3352. | 2.2 | 39 |

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|----|---|-----|-----------|
| 55 | 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 |