

Ajay Pratap Singh

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

3,107
citations

136885

32
h-index

161767

54
g-index

64
all docs

64
docs citations

64
times ranked

5557
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Comparative analysis of exosome isolation methods using culture supernatant for optimum yield, purity and downstream applications. <i>Scientific Reports</i> , 2019, 9, 5335. | 1.6 | 368 |
| 2 | Exosomes confer chemoresistance to pancreatic cancer cells by promoting ROS detoxification and miR-155-mediated suppression of key gemcitabine-metabolising enzyme, DCK. <i>British Journal of Cancer</i> , 2017, 116, 609-619. | 2.9 | 205 |
| 3 | An Undesired Effect of Chemotherapy. <i>Journal of Biological Chemistry</i> , 2013, 288, 21197-21207. | 1.6 | 145 |
| 4 | Honokiol Arrests Cell Cycle, Induces Apoptosis, and Potentiates the Cytotoxic Effect of Gemcitabine in Human Pancreatic Cancer Cells. <i>PLoS ONE</i> , 2011, 6, e21573. | 1.1 | 121 |
| 5 | p-21 activated kinase 4 promotes proliferation and survival of pancreatic cancer cells through AKT- and ERK-dependent activation of NF- κ B pathway. <i>Oncotarget</i> , 2014, 5, 8778-8789. | 0.8 | 107 |
| 6 | CXCL12/CXCR4 Protein Signaling Axis Induces Sonic Hedgehog Expression in Pancreatic Cancer Cells via Extracellular Regulated Kinase- and Akt Kinase-mediated Activation of Nuclear Factor κ B. <i>Journal of Biological Chemistry</i> , 2012, 287, 39115-39124. | 1.6 | 106 |
| 7 | Drug-loaded exosomal preparations from different cell types exhibit distinctive loading capability, yield, and antitumor efficacies: a comparative analysis. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 531-541. | 3.3 | 98 |
| 8 | Resistin and interleukin-6 exhibit racially-disparate expression in breast cancer patients, display molecular association and promote growth and aggressiveness of tumor cells through STAT3 activation. <i>Oncotarget</i> , 2015, 6, 11231-11241. | 0.8 | 92 |
| 9 | Cancer Chemoprevention by Phytochemicals: Nature's Healing Touch. <i>Molecules</i> , 2017, 22, 395. | 1.7 | 90 |
| 10 | Racial disparities in prostate cancer a molecular perspective. <i>Frontiers in Bioscience - Landmark</i> , 2017, 22, 772-782. | 3.0 | 87 |
| 11 | Hypoxia alters the release and size distribution of extracellular vesicles in pancreatic cancer cells to support their adaptive survival. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 828-839. | 1.2 | 87 |
| 12 | MicroRNAs in gynecological cancers: Small molecules with big implications. <i>Cancer Letters</i> , 2017, 407, 123-138. | 3.2 | 83 |
| 13 | Comparative analysis of the relative potential of silver, Zinc-oxide and titanium-dioxide nanoparticles against UVB-induced DNA damage for the prevention of skin carcinogenesis. <i>Cancer Letters</i> , 2016, 383, 53-61. | 3.2 | 68 |
| 14 | Silver nanoparticles protect human keratinocytes against UVB radiation-induced DNA damage and apoptosis: potential for prevention of skin carcinogenesis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1265-1275. | 1.7 | 67 |
| 15 | p-21 activated kinase 4 (PAK4) maintains stem cell-like phenotypes in pancreatic cancer cells through activation of STAT3 signaling. <i>Cancer Letters</i> , 2016, 370, 260-267. | 3.2 | 67 |
| 16 | Molecular Drivers of Pancreatic Cancer Pathogenesis: Looking Inward to Move Forward. <i>International Journal of Molecular Sciences</i> , 2017, 18, 779. | 1.8 | 63 |
| 17 | MicroRNA-345 induces apoptosis in pancreatic cancer cells through potentiation of caspase-dependent and -independent pathways. <i>British Journal of Cancer</i> , 2015, 113, 660-668. | 2.9 | 61 |
| 18 | CXCL12/CXCR4 signaling counteracts docetaxel-induced microtubule stabilization via p21-activated kinase 4-dependent activation of LIM domain kinase 1. <i>Oncotarget</i> , 2014, 5, 11490-11500. | 0.8 | 59 |

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|----|--|-----|-----------|
| 19 | Modulation of MicroRNAs by Phytochemicals in Cancer: Underlying Mechanisms and Translational Significance. <i>BioMed Research International</i> , 2015, 2015, 1-9. | 0.9 | 55 |
| 20 | Modulation of Protein Phosphatase 2A Activity Alters Androgen-Independent Growth of Prostate Cancer Cells: Therapeutic Implications. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 720-731. | 1.9 | 54 |
| 21 | MicroRNAs in pancreatic malignancy: Progress and promises. <i>Cancer Letters</i> , 2014, 347, 167-174. | 3.2 | 54 |
| 22 | Hydroxytyrosol Induces Apoptosis and Cell Cycle Arrest and Suppresses Multiple Oncogenic Signaling Pathways in Prostate Cancer Cells. <i>Nutrition and Cancer</i> , 2017, 69, 932-942. | 0.9 | 52 |
| 23 | Synthesis, characterization, and evaluation of poly (D,L-lactide-co-glycolide)-based nanoformulation of miRNA-150: potential implications for pancreatic cancer therapy. <i>International Journal of Nanomedicine</i> , 2014, 9, 2933. | 3.3 | 51 |
| 24 | Insights into the Role of microRNAs in Pancreatic Cancer Pathogenesis: Potential for Diagnosis, Prognosis, and Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2015, 889, 71-87. | 0.8 | 49 |
| 25 | Gemcitabine treatment promotes immunosuppressive microenvironment in pancreatic tumors by supporting the infiltration, growth, and polarization of macrophages. <i>Scientific Reports</i> , 2018, 8, 12000. | 1.6 | 49 |
| 26 | Myb overexpression overrides androgen depletion-induced cell cycle arrest and apoptosis in prostate cancer cells, and confers aggressive malignant traits: potential role in castration resistance. <i>Carcinogenesis</i> , 2012, 33, 1149-1157. | 1.3 | 47 |
| 27 | Epigenetic basis of cancer health disparities: Looking beyond genetic differences. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017, 1868, 16-28. | 3.3 | 45 |
| 28 | Epigallocatechin Gallate-Gold Nanoparticles Exhibit Superior Antitumor Activity Compared to Conventional Gold Nanoparticles: Potential Synergistic Interactions. <i>Nanomaterials</i> , 2019, 9, 396. | 1.9 | 43 |
| 29 | MYB is a novel regulator of pancreatic tumour growth and metastasis. <i>British Journal of Cancer</i> , 2015, 113, 1694-1703. | 2.9 | 40 |
| 30 | Pancreatic Cancer Exosomes: Shedding Off for a Meaningful Journey. <i>Pancreatic Disorders & Therapy</i> , 2016, 06, e148. | 0.3 | 37 |
| 31 | Therapies Targeted to Androgen Receptor Signaling Axis in Prostate Cancer: Progress, Challenges, and Hope. <i>Cancers</i> , 2020, 12, 51. | 1.7 | 37 |
| 32 | Resistin: An inflammatory cytokine with multi-faceted roles in cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020, 1874, 188419. | 3.3 | 36 |
| 33 | Co-targeting of CXCR4 and hedgehog pathways disrupts tumor-stromal crosstalk and improves chemotherapeutic efficacy in pancreatic cancer. <i>Journal of Biological Chemistry</i> , 2020, 295, 8413-8424. | 1.6 | 35 |
| 34 | Glucose Metabolism Reprogrammed by Overexpression of IKK β Promotes Pancreatic Tumor Growth. <i>Cancer Research</i> , 2016, 76, 7254-7264. | 0.4 | 33 |
| 35 | Resistin potentiates chemoresistance and stemness of breast cancer cells: Implications for racially disparate therapeutic outcomes. <i>Cancer Letters</i> , 2017, 396, 21-29. | 3.2 | 33 |
| 36 | Racial health disparities in ovarian cancer: not just black and white. <i>Journal of Ovarian Research</i> , 2017, 10, 58. | 1.3 | 30 |

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|----|--|-----|-----------|
| 37 | Dysregulation of metabolic enzymes in tumor and stromal cells: Role in oncogenesis and therapeutic opportunities. <i>Cancer Letters</i> , 2020, 473, 176-185. | 3.2 | 30 |
| 38 | Exosomal Formulation Escalates Cellular Uptake of Honokiol Leading to the Enhancement of Its Antitumor Efficacy. <i>ACS Omega</i> , 2020, 5, 23299-23307. | 1.6 | 29 |
| 39 | Honokiol suppresses pancreatic tumor growth, metastasis and desmoplasia by interfering with tumor-stromal cross-talk. <i>Carcinogenesis</i> , 2016, 37, 1052-1061. | 1.3 | 28 |
| 40 | Cellular and Molecular Progression of Prostate Cancer: Models for Basic and Preclinical Research. <i>Cancers</i> , 2020, 12, 2651. | 1.7 | 27 |
| 41 | Modulation of the tumor microenvironment by natural agents: implications for cancer prevention and therapy. <i>Seminars in Cancer Biology</i> , 2022, 80, 237-255. | 4.3 | 27 |
| 42 | Platinum-resistant ovarian cancer: From drug resistance mechanisms to liquid biopsy-based biomarkers for disease management. <i>Seminars in Cancer Biology</i> , 2021, 77, 99-109. | 4.3 | 24 |
| 43 | Deep sequencing and in silico analyses identify MYB-regulated gene networks and signaling pathways in pancreatic cancer. <i>Scientific Reports</i> , 2016, 6, 28446. | 1.6 | 21 |
| 44 | Gemcitabine triggers angiogenesis-promoting molecular signals in pancreatic cancer cells: Therapeutic implications. <i>Oncotarget</i> , 2015, 6, 39140-39150. | 0.8 | 21 |
| 45 | MYB Promotes Desmoplasia in Pancreatic Cancer through Direct Transcriptional Up-regulation and Cooperative Action of Sonic Hedgehog and Adrenomedullin. <i>Journal of Biological Chemistry</i> , 2016, 291, 16263-16270. | 1.6 | 18 |
| 46 | Mobilization of Intracellular Copper by Gossypol and Apogossypolone Leads to Reactive Oxygen Species-Mediated Cell Death: Putative Anticancer Mechanism. <i>International Journal of Molecular Sciences</i> , 2016, 17, 973. | 1.8 | 17 |
| 47 | Extracellular Nanovesicles: From Intercellular Messengers to Efficient Drug Delivery Systems. <i>ACS Omega</i> , 2021, 6, 1773-1779. | 1.6 | 16 |
| 48 | Molecular Targets of Honokiol. <i>The Enzymes</i> , 2014, 36, 175-193. | 0.7 | 15 |
| 49 | Comprehensive Analysis of Expression, Clinicopathological Association and Potential Prognostic Significance of RABs in Pancreatic Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5580. | 1.8 | 13 |
| 50 | MYB interacts with androgen receptor, sustains its ligand-independent activation and promotes castration resistance in prostate cancer. <i>British Journal of Cancer</i> , 2022, 126, 1205-1214. | 2.9 | 13 |
| 51 | Proteomic Analysis of MYB-Regulated Secretome Identifies Functional Pathways and Biomarkers: Potential Pathobiological and Clinical Implications. <i>Journal of Proteome Research</i> , 2020, 19, 794-804. | 1.8 | 10 |
| 52 | Clinicopathologic significance and race-specific prognostic association of MYB overexpression in ovarian cancer. <i>Scientific Reports</i> , 2021, 11, 12901. | 1.6 | 8 |
| 53 | Nicotine causes alternative polarization of macrophages via Src-mediated STAT3 activation: Potential pathobiological implications. <i>Journal of Cellular Physiology</i> , 2022, 237, 1486-1497. | 2.0 | 8 |
| 54 | Resistin Induces LIN28A-Mediated Let-7a Repression in Breast Cancer Cells Leading to IL-6 and STAT3 Upregulation. <i>Cancers</i> , 2021, 13, 4498. | 1.7 | 5 |

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|----|---|-----|-----------|
| 55 | The prevalence and clinical relevance of 2R/2R TYMS genotype in patients with gastrointestinal malignancies treated with fluoropyrimidine-based chemotherapy regimens. <i>Pharmacogenomics Journal</i> , 2021, 21, 308-317. | 0.9 | 4 |
| 56 | Determining the Size Distribution and Integrity of Extracellular Vesicles by Dynamic Light Scattering. <i>Methods in Molecular Biology</i> , 2022, 2413, 165-175. | 0.4 | 4 |
| 57 | The impact of neoadjuvant concurrent chemoradiation on exosomal markers (CD63 and CD9) expression and their prognostic significance in patients with rectal adenocarcinoma. <i>Oncotarget</i> , 2021, 12, 1490-1498. | 0.8 | 3 |
| 58 | Looking at cancer health disparities without the colored lenses. <i>Cancer Health Disparities</i> , 2019, 3, e1-e9. | 0.5 | 3 |
| 59 | Integrative Toolkit to Analyze Cellular Signals: Forces, Motion, Morphology, and Fluorescence. <i>Journal of Visualized Experiments</i> , 2022, , . | 0.2 | 3 |
| 60 | Exosomes. , 2018, , 261-283. | | 2 |
| 61 | Current and Futuristic Roadmap of Ovarian Cancer Management: An Overview. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1330, 1-19. | 0.8 | 1 |
| 62 | Back Cover Image, Volume 121, Number 1, January 2020. <i>Journal of Cellular Biochemistry</i> , 2020, 121, i. | 1.2 | 0 |