

Bilikere S Dwarakanath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/951439/publications.pdf>

Version: 2024-02-01

73
papers

2,897
citations

186265

28
h-index

175258

52
g-index

74
all docs

74
docs citations

74
times ranked

4257
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Oxidative Stress and Hypoxia in Cancer: Implications for Radiation Therapy. , 2022, , 2023-2048. | | 0 |
| 2 | Metabolic Oxidative Stress in Initiation, Progression, and Therapy of Cancer. , 2022, , 1969-2003. | | 0 |
| 3 | Polyphenolic Acetates as Potential Therapeutics and Adjuvant in Radiotherapy of Cancer. , 2022, , 1-17. | | 0 |
| 4 | Amifostine analog, DRDE-30, alleviates radiation induced lung damage by attenuating inflammation and fibrosis. Life Sciences, 2022, 298, 120518. | 4.3 | 12 |
| 5 | Technological Advancements in External Beam Radiation Therapy (EBRT): An Indispensable Tool for Cancer Treatment. Cancer Management and Research, 2022, Volume 14, 1421-1429. | 1.9 | 11 |
| 6 | Radiosensitization of calreticulin-overexpressing human glioma cell line by the polyphenolic acetate 7, 8-diacetoxy-4-methylcoumarin. Cancer Reports, 2021, , e1326. | 1.4 | 5 |
| 7 | Metabolic Oxidative Stress in Initiation, Progression, and Therapy of Cancer. , 2021, , 1-35. | | 0 |
| 8 | A combinatorial approach of a polypharmacological adjuvant 2-deoxy-D-glucose with low dose radiation therapy to quell the cytokine storm in COVID-19 management. International Journal of Radiation Biology, 2020, 96, 1323-1328. | 1.8 | 29 |
| 9 | De novo transcriptome analysis unravels tissue-specific expression of candidate genes involved in major secondary metabolite biosynthetic pathways of Plumbago zeylanica: implication for pharmacological potential. 3 Biotech, 2020, 10, 271. | 2.2 | 4 |
| 10 | Developing polyphenolic acetates as radiation countermeasure agents: current status and future perspectives. Drug Discovery Today, 2020, 25, 781-786. | 6.4 | 1 |
| 11 | Modulation of Immuno-biome during Radio-sensitization of Tumors by Glycolytic Inhibitors. Current Medicinal Chemistry, 2020, 27, 4002-4015. | 2.4 | 7 |
| 12 | Non-Enzymatic Protein Acetylation by 7-Acetoxy-4-Methylcoumarin: Implications in Protein Biochemistry. Protein and Peptide Letters, 2020, 27, 736-743. | 0.9 | 3 |
| 13 | Dietary 2-deoxy-D-glucose impairs tumour growth and metastasis by inhibiting angiogenesis. European Journal of Cancer, 2019, 123, 11-24. | 2.8 | 12 |
| 14 | Mitigation of radiation-induced gastro-intestinal injury by the polyphenolic acetate 7, 8-diacetoxy-4-methylthiocoumarin in mice. Scientific Reports, 2019, 9, 14134. | 3.3 | 17 |
| 15 | Radiation induces EIF2AK3/PERK and ERN1/IRE1 mediated pro-survival autophagy. Autophagy, 2019, 15, 1391-1406. | 9.1 | 50 |
| 16 | T-Regulatory Cells In Tumor Progression And Therapy. Cancer Management and Research, 2019, Volume 11, 10731-10747. | 1.9 | 57 |
| 17 | Arachidonic acid activates extrinsic apoptotic pathway to enhance tumoricidal action of bleomycin against IMR-32 cells. Prostaglandins Leukotrienes and Essential Fatty Acids, 2018, 132, 16-22. | 2.2 | 14 |
| 18 | Differential action of polyunsaturated fatty acids and eicosanoids on bleomycin-induced cytotoxicity to neuroblastoma cells and lymphocytes. Archives of Medical Science, 2018, 1, 207-229. | 0.9 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Amifostine Analog, DRDE-30, Attenuates Bleomycin-Induced Pulmonary Fibrosis in Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 394. | 3.5 | 13 |
| 20 | Targeting regulatory T cells for improving cancer therapy: Challenges and prospects. <i>Cancer Reports</i> , 2018, 1, e21105. | 1.4 | 8 |
| 21 | Emerging Roles of Calreticulin in Cancer: Implications for Therapy. <i>Current Protein and Peptide Science</i> , 2018, 19, 344-357. | 1.4 | 22 |
| 22 | Metabolic Cooperation and Competition in the Tumor Microenvironment: Implications for Therapy. <i>Frontiers in Oncology</i> , 2017, 7, 68. | 2.8 | 142 |
| 23 | Cytotoxic and Antioxidant Effects in Various Tissue Extracts of <i>Plumbago zeylanica</i> : Implications for Anticancer Potential. <i>Pharmacognosy Journal</i> , 2017, 9, 706-712. | 0.8 | 7 |
| 24 | Cytosolic phospholipase A2 (cPLA2) IVA as a potential signature molecule in cigarette smoke condensate induced pathologies in alveolar epithelial lineages. <i>Lipids in Health and Disease</i> , 2016, 15, 129. | 3.0 | 6 |
| 25 | Mitigation of radiation-induced hematopoietic injury by the polyphenolic acetate 7, 8-diacetoxy-4-methylthiocoumarin in mice. <i>Scientific Reports</i> , 2016, 6, 37305. | 3.3 | 28 |
| 26 | Radiation-induced autophagy: mechanisms and consequences. <i>Free Radical Research</i> , 2016, 50, 273-290. | 3.3 | 75 |
| 27 | Polarization of macrophages towards M1 phenotype by a combination of 2-deoxy- d -glucose and radiation: Implications for tumor therapy. <i>Immunobiology</i> , 2016, 221, 269-281. | 1.9 | 33 |
| 28 | COX-2, aspirin and metabolism of arachidonic, eicosapentaenoic and docosahexaenoic acids and their physiological and clinical significance. <i>European Journal of Pharmacology</i> , 2016, 785, 116-132. | 3.5 | 103 |
| 29 | Pattern Recognition Receptors in Cancer Progression and Metastasis. <i>Cancer Growth and Metastasis</i> , 2015, 8, CGM.S24314. | 3.5 | 75 |
| 30 | Amphiphilic PEO- <i>b</i> -PBLG Diblock and PBLG- <i>b</i> -PEO- <i>b</i> -PBLG Triblock Copolymer Based Nanoparticles: Doxorubicin Loading and <i>In Vitro</i> Evaluation. <i>Macromolecular Bioscience</i> , 2015, 15, 124-137. | 4.1 | 21 |
| 31 | Th1-Biased Immunomodulation and Therapeutic Potential of <i>Artemisia annua</i> in Murine Visceral Leishmaniasis. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e3321. | 3.0 | 45 |
| 32 | Nordihydroguaiaretic acid attenuates skin tumorigenesis in Swiss albino mice with the condition of topical co-administration of an immunosuppressant. <i>Chemico-Biological Interactions</i> , 2015, 233, 106-114. | 4.0 | 1 |
| 33 | Transient elevation of glycolysis confers radio-resistance by facilitating DNA repair in cells. <i>BMC Cancer</i> , 2015, 15, 335. | 2.6 | 88 |
| 34 | Chronic Dietary Administration of the Glycolytic Inhibitor 2-Deoxy-D-Glucose (2-DG) Inhibits the Growth of Implanted Ehrlich's Ascites Tumor in Mice. <i>PLoS ONE</i> , 2015, 10, e0132089. | 2.5 | 28 |
| 35 | Estimation of radiation dose to patients from ^[18] FDG whole body PET/CT investigations using dynamic PET scan protocol. <i>Indian Journal of Medical Research</i> , 2015, 142, 721. | 1.0 | 53 |
| 36 | Interplay Between Metabolism and Oncogenic Process: Role of microRNAs. <i>Translational Oncogenomics</i> , 2015, 7, 11-27. | 1.7 | 37 |

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Cytotoxic and Radio-sensitizing Effects of Polyphenolic Acetates in a Human Glioma Cell Line (BMG-1). <i>Current Pharmaceutical Design</i> , 2014, 20, 1161-1169. | 1.9 | 14 |
| 38 | Modifications of Cell Signalling and Redox Balance by Targeting Protein Acetylation Using Natural and Engineered Molecules: Implications in Cancer Therapy. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 2495-2507. | 2.1 | 8 |
| 39 | Calreticulin transacetylase mediated upregulation of thioredoxin by 7,8-diacetoxy-4-methylcoumarin enhances the antioxidant potential and the expression of vascular endothelial growth factor in peripheral blood mononuclear cells. <i>Chemico-Biological Interactions</i> , 2013, 206, 327-336. | 4.0 | 8 |
| 40 | Differential cytotoxicity of the glycolytic inhibitor 2-deoxy-D-glucose in isogenic cell lines varying in their p53 status. <i>Journal of Cancer Research and Therapeutics</i> , 2013, 9, 686. | 0.9 | 6 |
| 41 | Estimation of patient dose in ¹⁸ F-FDG and ¹⁸ F-FDOPA PET/CT examinations. <i>Journal of Cancer Research and Therapeutics</i> , 2013, 9, 477. | 0.9 | 20 |
| 42 | Protective effect on normal brain tissue during a combinational therapy of 2-deoxy-d-glucose and hypofractionated irradiation in malignant gliomas. <i>Journal of Innovative Optical Health Sciences</i> , 2013, 8, 9-14. | 1.0 | 26 |
| 43 | Radiosensitization and Chemosensitization of Multicellular Tumor Spheroids by 2-Deoxy-d-Glucose is Stimulated by a Combination of TNF α and Glucose Deprivation-Induced Oxidative Stress. , 2012, , 85-94. | | 0 |
| 44 | Low-dose radiation therapy of cancer: role of immune enhancement. <i>Expert Review of Anticancer Therapy</i> , 2011, 11, 791-802. | 2.4 | 62 |
| 45 | 7, 8-diacetoxy-4-methylcoumarin induced cell death in human tumor cells is influenced by calreticulin. <i>Biochimie</i> , 2011, 93, 497-505. | 2.6 | 12 |
| 46 | Tumor Suppressor Protein p53 Recruits Human Sin3B/HDAC1 Complex for Down-Regulation of Its Target Promoters in Response to Genotoxic Stress. <i>PLoS ONE</i> , 2011, 6, e26156. | 2.5 | 36 |
| 47 | Calcium ionophore A23187 reveals calcium related cellular stress as α -Bodies: An old actor in a new role. <i>Cell Calcium</i> , 2011, 50, 510-522. | 2.4 | 13 |
| 48 | In vitro and in vivo targeted delivery of photosensitizers to the tumor cells for enhanced photodynamic effects. <i>Journal of Cancer Research and Therapeutics</i> , 2011, 7, 314. | 0.9 | 22 |
| 49 | In vitro and In vivo Evaluation of Docetaxel Loaded Biodegradable Polymersomes. <i>Macromolecular Bioscience</i> , 2010, 10, 503-512. | 4.1 | 70 |
| 50 | Macromol. Biosci. 5/2010. <i>Macromolecular Bioscience</i> , 2010, 10, . | 4.1 | 41 |
| 51 | The intracellular drug delivery and anti tumor activity of doxorubicin loaded poly(β -benzyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 | 11.4 | 310 |
| 52 | Non-monotonic changes in clonogenic cell survival induced by disulphonated aluminum phthalocyanine photodynamic treatment in a human glioma cell line. <i>Journal of Translational Medicine</i> , 2010, 8, 43. | 4.4 | 7 |
| 53 | Calreticulin transacylase: Genesis, mechanism of action and biological applications. <i>Biochimie</i> , 2010, 92, 1173-1179. | 2.6 | 7 |
| 54 | Metabolic oxidative stress induced by a combination of 2-DG and 6-AN enhances radiation damage selectively in malignant cells via non-coordinated expression of antioxidant enzymes. <i>Cancer Letters</i> , 2010, 295, 154-166. | 7.2 | 47 |

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Differential responses of tumors and normal brain to the combined treatment of 2-DG and radiation in glioblastoma. <i>Journal of Cancer Research and Therapeutics</i> , 2009, 5, 44. | 0.9 | 30 |
| 56 | Cytotoxicity, radiosensitization, and chemosensitization of tumor cells by 2-deoxy-D-glucose In vitro. <i>Journal of Cancer Research and Therapeutics</i> , 2009, 5, 27. | 0.9 | 67 |
| 57 | Targeting glucose metabolism with 2-deoxy-D-glucose for improving cancer therapy. <i>Future Oncology</i> , 2009, 5, 581-585. | 2.4 | 115 |
| 58 | Protection of normal cells and tissues during radio- and chemosensitization of tumors by 2-deoxy-D-glucose. <i>Journal of Cancer Research and Therapeutics</i> , 2009, 5, 32. | 0.9 | 18 |
| 59 | Enhancement of radiation and chemotherapeutic drug responses by 2-deoxy-D-glucose in animal tumors. <i>Journal of Cancer Research and Therapeutics</i> , 2009, 5, 16. | 0.9 | 32 |
| 60 | Clinical studies for improving radiotherapy with 2-deoxy-D-glucose: Present status and future prospects. <i>Journal of Cancer Research and Therapeutics</i> , 2009, 5, 21. | 0.9 | 168 |
| 61 | Calreticulin transacetylase (CRTAase): Identification of novel substrates and CRTAase-mediated modification of protein kinase C (PKC) activity in lymphocytes of asthmatic patients by polyphenolic acetates. <i>Pure and Applied Chemistry</i> , 2007, 79, 729-737. | 1.9 | 6 |
| 62 | Acetoxy drug: Protein transacetylase catalyzed activation of human platelet nitric oxide synthase by polyphenolic peracetates. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 575-583. | 3.0 | 42 |
| 63 | Enhancement of radionuclide induced cytotoxicity by 2-deoxy-D-glucose in human tumor cell lines. <i>Journal of Cancer Research and Therapeutics</i> , 2006, 2, 57. | 0.9 | 11 |
| 64 | Optimizing Cancer Radiotherapy with 2-Deoxy-D-Glucose. <i>Strahlentherapie Und Onkologie</i> , 2005, 181, 507-514. | 2.0 | 227 |
| 65 | Radiosensitization by 6-aminonicotinamide and 2-deoxy-D-glucose in human cancer cells. <i>International Journal of Radiation Biology</i> , 2005, 81, 397-408. | 1.8 | 61 |
| 66 | Heterogeneity in the radiosensitizing effects of the DNA ligand hoechst-33342 in human tumor cell lines.. <i>Journal of Cancer Research and Therapeutics</i> , 2005, 1, 151. | 0.9 | 18 |
| 67 | Cellular uptake, localization and photodynamic effects of haematoporphyrin derivative in human glioma and squamous carcinoma cell lines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003, 69, 107-120. | 3.8 | 28 |
| 68 | Preparation and comparative evaluation of ^{99m} Tc-labeled 2-iminothiolane modified antibodies and CITC-DTPA immunoconjugates of anti-EGF-receptor antibodies. <i>Methods and Findings in Experimental and Clinical Pharmacology</i> , 2002, 24, 653. | 0.8 | 15 |
| 69 | Acetoxy-4-methylcoumarins confer differential protection from aflatoxin B1-induced micronuclei and apoptosis in lung and bone marrow cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 494, 31-40. | 1.7 | 45 |
| 70 | Hematoporphyrin derivatives potentiate the radiosensitizing effects of 2-deoxy-D-glucose in cancer cells. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 43, 1125-1133. | 0.8 | 30 |
| 71 | Improving cancer radiotherapy with 2-deoxy-d-glucose: phase I/II clinical trials on human cerebral gliomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 1996, 35, 103-111. | 0.8 | 244 |
| 72 | Influence of proliferation on DNA repair rates in liver. <i>Experimental Cell Research</i> , 1991, 197, 323-325. | 2.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Characterization of nuclear matrices prepared without salt extraction. Analytical Biochemistry, 1991, 198, 68-74. | 2.4 | 4 |