Bilikere S Dwarakanath

List of Publications by Year
in descending order

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	The intracellular drug delivery and anti tumor activity of doxorubicin loaded poly(Î³-benzyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	11.4	310
2	Improving cancer radiotherapy with 2-deoxy-d-glucose: phase I/II clinical trials on human cerebral gliomas. International Journal of Radiation Oncology Biology Physics, 1996, 35, 103-111.	0.8	244
3	Optimizing Cancer Radiotherapy with 2-Deoxy-D-Glucose. Strahlentherapie Und Onkologie, 2005, 181, 507-514.	2.0	227
4	Clinical studies for improving radiotherapy with 2-deoxy-D-glucose: Present status and future prospects. Journal of Cancer Research and Therapeutics, 2009, 5, 21.	0.9	168
5	Metabolic Cooperation and Competition in the Tumor Microenvironment: Implications for Therapy. Frontiers in Oncology, 2017, 7, 68.	2.8	142
6	Targeting glucose metabolism with 2-deoxy-<scp>D</scp>-glucose for improving cancer therapy. Future Oncology, 2009, 5, 581-585.	2.4	115
7	COX-2, aspirin and metabolism of arachidonic, eicosapentaenoic and docosahexaenoic acids and their physiological and clinical significance. European Journal of Pharmacology, 2016, 785, 116-132.	3.5	103
8	Transient elevation of glycolysis confers radio-resistance by facilitating DNA repair in cells. BMC Cancer, 2015, 15, 335.	2.6	88
9	Pattern Recognition Receptors in Cancer Progression and Metastasis. Cancer Growth and Metastasis, 2015, 8, CGM.S24314.	3.5	75
10	Radiation-induced autophagy: mechanisms and consequences. Free Radical Research, 2016, 50, 273-290.	3.3	75
11	In vitro and In vivo Evaluation of Docetaxel Loaded Biodegradable Polymersomes. Macromolecular Bioscience, 2010, 10, 503-512.	4.1	70
12	Cytotoxicity,radiosensitization, and chemosensitization of tumor cells by 2-deoxy-D-glucose In vitro. Journal of Cancer Research and Therapeutics, 2009, 5, 27.	0.9	67
13	Low-dose radiation therapy of cancer: role of immune enhancement. Expert Review of Anticancer Therapy, 2011, 11, 791-802.	2.4	62
14	Radiosensitization by 6-aminonicotinamide and 2-deoxy-D-glucose in human cancer cells. International Journal of Radiation Biology, 2005, 81, 397-408.	1.8	61
15	T-Regulatory Cells In Tumor Progression And Therapy . Cancer Management and Research, 2019, Volume 11, 10731-10747.	1.9	57
16	Estimation of radiation dose to patients from^[18]FDG whole body PET/CT investigations using dynamic PET scan protocol. Indian Journal of Medical Research, 2015, 142, 721.	1.0	53
17	Radiation induces EIF2AK3/PERK and ERN1/IRE1 mediated pro-survival autophagy. Autophagy, 2019, 15, 1391-1406.	9.1	50
18	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. Cancer Letters, 2010, 295, 154-166.	7.2	47

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19	Acetoxy-4-methylcoumarins confer differential protection from aflatoxin B1-induced micronuclei and apoptosis in lung and bone marrow cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2001, 494, 31-40.	1.7	45
20	Th1-Biased Immunomodulation and Therapeutic Potential of Artemisia annua in Murine Visceral Leishmaniasis. PLoS Neglected Tropical Diseases, 2015, 9, e3321.	3.0	45
21	Acetoxy drug: Protein transacetylase catalyzed activation of human platelet nitric oxide synthase by polyphenolic peracetates. Bioorganic and Medicinal Chemistry, 2006, 14, 575-583.	3.0	42
22	Macromol. Biosci. 5/2010. Macromolecular Bioscience, 2010, 10, .	4.1	41
23	Interplay Between Metabolism and Oncogenic Process: Role of microRNAs. Translational Oncogenomics, 2015, 7, 11-27.	1.7	37
24	Tumor Suppressor Protein p53 Recruits Human Sin3B/HDAC1 Complex for Down-Regulation of Its Target Promoters in Response to Genotoxic Stress. PLoS ONE, 2011, 6, e26156.	2.5	36
25	Polarization of macrophages towards M1 phenotype by a combination of 2-deoxy- d -glucose and radiation: Implications for tumor therapy. Immunobiology, 2016, 221, 269-281.	1.9	33
26	Enhancement of radiation and chemotherapeutic drug responses by 2-deoxy-D-glucose in animal tumors. Journal of Cancer Research and Therapeutics, 2009, 5, 16.	0.9	32
27	Hematoporphyrin derivatives potentiate the radiosensitizing effects of 2-deoxy-D-glucose in cancer cells. International Journal of Radiation Oncology Biology Physics, 1999, 43, 1125-1133.	0.8	30
28	Differential responses of tumors and normal brain to the combined treatment of 2-DG and radiation in glioablastoma. Journal of Cancer Research and Therapeutics, 2009, 5, 44.	0.9	30
29	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
30	Cellular uptake, localization and photodynamic effects of haematoporphyrin derivative in human glioma and squamous carcinoma cell lines. Journal of Photochemistry and Photobiology B: Biology, 2003, 69, 107-120.	3.8	28
31	Mitigation of radiation-induced hematopoietic injury by the polyphenolic acetate 7, 8-diacetoxy-4-methylthiocoumarin in mice. Scientific Reports, 2016, 6, 37305.	3.3	28
32	Chronic Dietary Administration of the Glycolytic Inhibitor 2-Deoxy-D-Glucose (2-DG) Inhibits the Growth of Implanted Ehrlichâ€™s Ascites Tumor in Mice. PLoS ONE, 2015, 10, e0132089.	2.5	28
33	Protective effect on normal brain tissue during a combinational therapy of 2-deoxy-d-glucose and hypofractionated irradiation in malignant gliomas. Journal of Innovative Optical Health Sciences, 2013, 8, 9-14.	1.0	26
34	Emerging Roles of Calreticulin in Cancer: Implications for Therapy. Current Protein and Peptide Science, 2018, 19, 344-357.	1.4	22
35	In vitro and in vivo targeted delivery of photosensitizers to the tumor cells for enhanced photodynamic effects. Journal of Cancer Research and Therapeutics, 2011, 7, 314.	0.9	22
36	Amphiphilic PEOâ€‹bâ€‹PBLG Diblock and PBLGâ€‹bâ€‹PEOâ€‹bâ€‹PBLG Triblock Copolymer Based Nanoparticles: Doxorubicin Loading and In Vitro Evaluation. Macromolecular Bioscience, 2015, 15, 124-137.	4.1	21

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37	Estimation of patient dose in ¹⁸ F-FDG and ¹⁸ F-FDOPA PET/CT examinations. Journal of Cancer Research and Therapeutics, 2013, 9, 477.	0.9	20
38	Protection of normal cells and tissues during radio- and chemosensitization of tumors by 2-deoxy-D-glucose. Journal of Cancer Research and Therapeutics, 2009, 5, 32.	0.9	18
39	Heterogeneity in the radiosensitizing effects of the DNA ligand hoechst-33342 in human tumor cell lines.. Journal of Cancer Research and Therapeutics, 2005, 1, 151.	0.9	18
40	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
41	Preparation and comparative evaluation of 99mTc-labeled 2-iminothiolane modified antibodies and CITC-DTPA immunoconjugates of anti-EGF-receptor antibodies. Methods and Findings in Experimental and Clinical Pharmacology, 2002, 24, 653.	0.8	15
42	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
43	Cytotoxic and Radio-sensitizing Effects of Polyphenolic Acetates in a Human Glioma Cell Line (BMG-1). Current Pharmaceutical Design, 2014, 20, 1161-1169.	1.9	14
44	Calcium ionophore A23187 reveals calcium related cellular stress as â€œI-Bodiesâ€• An old actor in a new role. Cell Calcium, 2011, 50, 510-522.	2.4	13
45	Amifostine Analog, DRDE-30, Attenuates Bleomycin-Induced Pulmonary Fibrosis in Mice. Frontiers in Pharmacology, 2018, 9, 394.	3.5	13
46	Influence of proliferation on DNA repair rates in liver. Experimental Cell Research, 1991, 197, 323-325.	2.6	12
47	7, 8-diacetoxy-4-methylcoumarin induced cell death in human tumor cells is influenced by calreticulin. Biochimie, 2011, 93, 497-505.	2.6	12
48	Dietary 2-deoxy-D-glucose impairs tumour growth and metastasis by inhibiting angiogenesis. European Journal of Cancer, 2019, 123, 11-24.	2.8	12
49	Amifostine analog, DRDE-30, alleviates radiation induced lung damage by attenuating inflammation and fibrosis. Life Sciences, 2022, 298, 120518.	4.3	12
50	Enhancement of radionuclide induced cytotoxicity by 2-deoxy-D-glucose in human tumor cell lines. Journal of Cancer Research and Therapeutics, 2006, 2, 57.	0.9	11
51	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
52	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. Chemico-Biological Interactions, 2013, 206, 327-336.	4.0	8
53	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
54	Targeting regulatory T cells for improving cancer therapy: Challenges and prospects. Cancer Reports, 2018, 1, e21105.	1.4	8

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55	Modifications of Cell Signalling and Redox Balance by Targeting Protein Acetylation Using Natural and Engineered Molecules: Implications in Cancer Therapy. Current Topics in Medicinal Chemistry, 2014, 14, 2495-2507.	2.1	8
56	Non-monotonic changes in clonogenic cell survival induced by disulphonated aluminum phthalocyanine photodynamic treatment in a human glioma cell line. Journal of Translational Medicine, 2010, 8, 43.	4.4	7
57	Calreticulin transacylase: Genesis, mechanism of action and biological applications. Biochimie, 2010, 92, 1173-1179.	2.6	7
58	Modulation of Immuno-biome during Radio-sensitization of Tumors by Glycolytic Inhibitors. Current Medicinal Chemistry, 2020, 27, 4002-4015.	2.4	7
59	Cytotoxic and Antioxidant Effects in Various Tissue Extracts of Plumbago zeylanica: Implications for Anticancer Potential. Pharmacognosy Journal, 2017, 9, 706-712.	0.8	7
60	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. Pure and Applied Chemistry, 2007, 79, 729-737.	1.9	6
61	Differential cytotoxicity of the glycolytic inhibitor 2-deoxy-D-glucose in isogenic cell lines varying in their p53 status. Journal of Cancer Research and Therapeutics, 2013, 9, 686.	0.9	6
62	Cytosolic phospholipase A2 (cPLA2) IVA as a potential signature molecule in cigarette smoke condensate induced pathologies in alveolar epithelial lineages. Lipids in Health and Disease, 2016, 15, 129.	3.0	6
63	Radiosensitization of calreticulinâ€overexpressing human glioma cell line by the polyphenolic acetate 7, 8â€diacetoxyâ€4â€methylcoumarin. Cancer Reports, 2021, , e1326.	1.4	5
64	Characterization of nuclear matrices prepared without salt extraction. Analytical Biochemistry, 1991, 198, 68-74.	2.4	4
65	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
66	Non-Enzymatic Protein Acetylation by 7-Acetoxy-4-Methylcoumarin: Implications in Protein Biochemistry. Protein and Peptide Letters, 2020, 27, 736-743.	0.9	3
67	Nordihydroguiaretic acid attenuates skin tumorigenesis in Swiss albino mice with the condition of topical co-administration of an immunosuppressant. Chemico-Biological Interactions, 2015, 233, 106-114.	4.0	1
68	Developing polyphenolic acetates as radiation countermeasure agents: current status and future perspectives. Drug Discovery Today, 2020, 25, 781-786.	6.4	1
69	Radiosensitization and Chemosensitization of Multicellular Tumor Spheroids by 2-Deoxy-d-Glucose is Stimulated by a Combination of TNFÎ± and Glucose Deprivation-Induced Oxidative Stress. , 2012, , 85-94.		0
70	Metabolic Oxidative Stress in Initiation, Progression, and Therapy of Cancer. , 2021, , 1-35.		0
71	Oxidative Stress and Hypoxia in Cancer: Implications for Radiation Therapy. , 2022, , 2023-2048.		0
72	Metabolic Oxidative Stress in Initiation, Progression, and Therapy of Cancer. , 2022, , 1969-2003.		0

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73	Polyphenolic Acetates as Potential Therapeutics and Adjuvant in Radiotherapy of Cancer. , 2022, , 1-17.		0