George D Wilson

List of Publications by Year
in descending order

114 papers	4,018 citations	117453 34 h-index	128067 60 g-index
115 all docs	115 docs citations	115 times ranked	5470 citing authors

#	Article	IF	Citations
1	Endogenous Markers of Two Separate Hypoxia Response Pathways (hypoxia inducible factor 2 alpha) Tj ETQq1 1 0.784314 rgBT /Overlip Recruited in the CHART Randomized Trial. Journal of Clinical Oncology, 2006, 24, 727-735.	0.8	276
2	Epidermal Growth Factor Receptor Expression in Pretreatment Biopsies From Head and Neck Squamous Cell Carcinoma As a Predictive Factor for a Benefit From Accelerated Radiation Therapy in a Randomized Controlled Trial. Journal of Clinical Oncology, 2005, 23, 5560-5567.	0.8	250
3	The Importance of CD44 as a Stem Cell Biomarker and Therapeutic Target in Cancer. Stem Cells International, 2016, 2016, 1-15.	1.2	182
4	Biologic Basis for Combining Drugs With Radiation. Seminars in Radiation Oncology, 2006, 16, 2-9.	1.0	167
5	Measuring proliferation in breast cancer: practicalities and applications. Breast Cancer Research, 2006, 8, 216.	2.2	164
6	The Confluence of Stereotactic Ablative Radiotherapy and Tumor Immunology. Clinical and Developmental Immunology, 2011, 2011, 1-7.	3.3	149
7	The value of pretreatment cell kinetic parameters as predictors for radiotherapy outcome in head and neck cancer: a multicenter analysis. Radiotherapy and Oncology, 1999, 50, 13-23.	0.3	139
8	Apoptosis Genes and Resistance to Cancer Therapy: What Does the Experimental and Clinical Data Tell Us?. Cancer Biology and Therapy, 2003, 2, 477-490.	1.5	119
9	Combining precision radiotherapy with molecular targeting and immunomodulatory agents: a guideline by the American Society for Radiation Oncology. Lancet Oncology, The, 2018, 19, e240-e251.	5.1	108
10	Diagnostic Biomarkers of Alzheimer's Disease as Identified in Saliva using 1H NMR-Based Metabolomics. Journal of Alzheimer's Disease, 2017, 58, 355-359.	1.2	100
11	Molecular Marker Profiles Predict Locoregional Control of Head and Neck Squamous Cell Carcinoma in a Randomized Trial of Continuous Hyperfractionated Accelerated Radiotherapy. Clinical Cancer Research, 2004, 10, 3745-3754.	3.2	83
12	Predictive Assays of Tumor Radiocurability. American Journal of Clinical Oncology: Cancer Clinical Trials, 1988, 11, 275-287.	0.6	80
13	Radiation and the cell cycle, revisited. Cancer and Metastasis Reviews, 2004, 23, 209-225.	2.7	80
14	An image analysis-based approach for automated counting of cancer cell nuclei in tissue sections. Cytometry, 2003, 55A, 30-42.	1.8	77
15	A novel panel of biomarkers predicts radioresistance in patients with squamous cell carcinoma of the head and neck. European Journal of Cancer, 2014, 50, 570-581.	1.3	75
16	Transition in Survival From Low-Dose Hyper-Radiosensitivity toÂIncreased Radioresistance Is Independent of Activation of ATM SER1981 Activity. International Journal of Radiation Oncology Biology Physics, 2007, 69, 1262-1271.	0.4	72
17	Evaluation of Ki-67 proliferation and apoptotic index before, during and after neoadjuvant chemotherapy for primary breast cancer. Breast Cancer Research, 2006, 8, R31.	2.2	71
18	The Effects of G2-Phase Enrichment and Checkpoint Abrogation on Low-Dose Hyper-Radiosensitivity. International Journal of Radiation Oncology Biology Physics, 2010, 77, 1509-1517.	0.4	71

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19	Target validation of cytochrome P450 CYP1B1 in prostate carcinoma with protein expression in associated hyperplastic and premalignant tissue. International Journal of Radiation Oncology Biology Physics, 2004, 58, 500-509.	0.4	70
20	Identification of Lineage-Uncommitted, Long-Lived, Label-Retaining Cells in Healthy Human Esophagus and Stomach, and in Metaplastic Esophagus. Gastroenterology, 2013, 144, 761-770.	0.6	63
21	Potential doubling time and clinical outcome in head and neck squamous cell carcinoma treated with 70 GY in 7 weeks. International Journal of Radiation Oncology Biology Physics, 1996, 35, 471-476.	0.4	59
22	Studies with bromodeoxyuridine in head and neck cancer and accelerated radiotherapy. Radiotherapy and Oncology, 1995, 36, 189-197.	0.3	57
23	Development of a Tissue Array for Primary Melanoma with Long-Term Follow-Up: Discovering Melanoma Cell Adhesion Molecule as an Important Prognostic Marker. Plastic and Reconstructive Surgery, 2005, 115, 367-375.	0.7	53
24	Precision Oncology and Genomically Guided Radiation Therapy: A Report From the American Society for Radiation Oncology/American Association of Physicists in Medicine/National Cancer Institute Precision Medicine Conference. International Journal of Radiation Oncology Biology Physics, 2018, 101, 274-284.	0.4	50
25	bcl-2 expression in head and neck cancer: an enigmatic prognostic marker. International Journal of Radiation Oncology Biology Physics, 2001, 49, 435-441.	0.4	49
26	Tryptophan Metabolism Contributes to Radiation-Induced Immune Checkpoint Reactivation in Glioblastoma. Clinical Cancer Research, 2018, 24, 3632-3643.	3.2	49
27	Isolation and comparative analysis of potential stem/progenitor cells from different regions of human umbilical cord. Stem Cell Research, 2016, 16, 696-711.	0.3	44
28	BET protein inhibitor JQ1 inhibits growth and modulates WNT signaling in mesenchymal stem cells. Stem Cell Research and Therapy, 2016, 7, 22.	2.4	44
29	The immunohistochemical assessment of hypoxia, vascularity and proliferation in bladder carcinoma. Radiotherapy and Oncology, 2004, 72, 159-168.	0.3	41
30	c-Met Expression Is a Marker of Poor Prognosis in Patients With Locally Advanced Head and Neck Squamous Cell Carcinoma Treated With Chemoradiation. International Journal of Radiation Oncology Biology Physics, 2014, 88, 701-707.	0.4	41
31	The evaluation of low dose hyper-radiosensitivity in normal human skin. Radiotherapy and Oncology, 2004, 70, 319-329.	0.3	38
32	Mechanisms of Action of Antiâ€GM$_1$ and Antiâ€GQ$_{1b}$ Ganglioside Antibodies in Guillainâ€BarrÃ© Syndrome. Journal of Infectious Diseases, 1997, 176, S144-S149.	1.9	37
33	Validation of tissue microarray for the immunohistochemical profiling of melanoma. Melanoma Research, 2004, 14, 39-42.	0.6	35
34	MicroPET/CT Imaging of an Orthotopic Model of Human Glioblastoma Multiforme and Evaluation of Pulsed Low-Dose Irradiation. International Journal of Radiation Oncology Biology Physics, 2011, 80, 885-892.	0.4	35
35	Cranial irradiation significantly reduces beta amyloid plaques in the brain and improves cognition in a murine model of Alzheimerâ€™s Disease (AD). Radiotherapy and Oncology, 2016, 118, 43-51.	0.3	35
36	Pulsed low-dose irradiation of orthotopic glioblastoma multiforme (GBM) in a pre-clinical model: Effects on vascularization and tumor control. Radiotherapy and Oncology, 2013, 108, 149-154.	0.3	34

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37	Predictive value of potential doubling time in head and neck cancer patients treated by conventional radiotherapy. International Journal of Radiation Oncology Biology Physics, 1997, 38, 677-683.	0.4	33
38	Targeted Metabolic Profiling of Urine Highlights a Potential Biomarker Panel for the Diagnosis of Alzheimer's Disease and Mild Cognitive Impairment: A Pilot Study. Metabolites, 2020, 10, 357.	1.3	33
39	Sorafenib and Radiation: A Promising Combination in Colorectal Cancer. International Journal of Radiation Oncology Biology Physics, 2010, 78, 213-220.	0.4	31
40	The association of 18F-FDG PET and glucose metabolism biomarkers GLUT1 and HK2 in p16 positive and negative head and neck squamous cell carcinomas. Radiotherapy and Oncology, 2015, 117, 118-124.	0.3	29
41	Low Dose Brain Irradiation Reduces Amyloid-β and Tau in 3xTg-AD Mice. Journal of Alzheimer's Disease, 2020, 75, 15-21.	1.2	28
42	Tumor Voxel Dose-Response Matrix and Dose Prescription Function Derived Using 18F-FDG PET/CT Images for Adaptive Dose Painting by Number. International Journal of Radiation Oncology Biology Physics, 2019, 104, 207-218.	0.4	26
43	Multiple biomarker tissue microarrays: bioinformatics and practical approaches. Cancer and Metastasis Reviews, 2008, 27, 481-494.	2.7	25
44	Combined <scp>CD</scp>44, c‑<scp>MET</scp>, and <scp>EGFR</scp> expression in p16‑positive and p16‑negative head and neck squamous cell carcinomas. Journal of Oral Pathology and Medicine, 2017, 46, 208-213.	1.4	25
45	Determining if low dose hyper-radiosensitivity (HRS) can be exploited to provide a therapeutic advantage: A cell line study in four glioblastoma multiforme (GBM) cell lines. International Journal of Radiation Biology, 2013, 89, 1009-1016.	1.0	24
46	Pulsed Versus Conventional Radiation Therapy in Combination With Temozolomide in a Murine Orthotopic Model of Glioblastoma Multiforme. International Journal of Radiation Oncology Biology Physics, 2013, 86, 978-985.	0.4	24
47	Simultaneous triple staining for hypoxia, proliferation, and DNA content in murine tumours. Cytometry, 1995, 21, 344-351.	1.8	23
48	Comparison of flow and laser scanning cytometry for the assay of cell proliferation in human solid tumors. , 1998, 33, 355-361.		22
49	Molecular biomarkers and site of first recurrence after radiotherapy for head and neck cancer. European Journal of Cancer, 2004, 40, 2734-2741.	1.3	22
50	CD44v3 levels in primary cutaneous melanoma are predictive of prognosis: Assessment by the use of tissue microarray. International Journal of Cancer, 2006, 118, 1460-1464.	2.3	22
51	Antitumor activity of the dual PI3K/MTOR inhibitor, PF-04691502, in combination with radiation in head and neck cancer. Radiotherapy and Oncology, 2017, 124, 504-512.	0.3	22
52	TMPRSS2/ERG fusion gene expression alters chemo‑and radio‑responsiveness in cell culture models of androgen independent prostate cancer. Prostate, 2011, 71, 1548-1558.	1.2	19
53	Cranial irradiation significantly reduces beta amyloid plaques in the brain and improves cognition in a murine model of Alzheimer's Disease (AD). Radiotherapy and Oncology, 2016, 118, 579-580.	0.3	17
54	A New Use for an Old Treatment: Radiation Therapy and Alzheimer's Disease. Radiation Research, 2016, 185, 443-448.	0.7	16

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55	Investigating Low-Dose Thoracic Radiation as a Treatment for COVID-19 Patients to Prevent Respiratory Failure. Radiation Research, 2020, 194, 1.	0.7	16
56	Crizotinib Fails to Enhance the Effect of Radiation in Head and Neck Squamous Cell Carcinoma Xenografts. Anticancer Research, 2015, 35, 5973-82.	0.5	16
57	Correlation of spectral imaging and visual grading for the quantification of thymidylate synthase protein expression in rectal cancer. Human Pathology, 2005, 36, 1302-1308.	1.1	15
58	Pre-treatment proliferation and the outcome of conventional and accelerated radiotherapy. European Journal of Cancer, 2006, 42, 363-371.	1.3	15
59	nm23 as a prognostic marker in primary cutaneous melanoma: evaluation using tissue microarray in a patient group with long-term follow-up. Melanoma Research, 2005, 15, 435-440.	0.6	14
60	Detailed Characterization of the Early Response of Head-Neck Cancer Xenografts to Irradiation Using 18F-FDG-PET Imaging. International Journal of Radiation Oncology Biology Physics, 2012, 84, 485-491.	0.4	14
61	Association of human papillomavirus integration with better patient outcomes in oropharyngeal squamous cell carcinoma. Head and Neck, 2021, 43, 544-557.	0.9	14
62	A New Look at Proliferation. Acta Oncológica, 2001, 40, 989-994.	0.8	13
63	In vivo cell kinetic measurements in a randomized trial of continuous hyperfractionated accelerated radiotherapy with or without mitomycin C in head-and-neck cancer. International Journal of Radiation Oncology Biology Physics, 2003, 55, 576-582.	0.4	13
64	Use of Oncogene Expression as an Independent Prognostic Marker for Primary Melanoma. Annals of Plastic Surgery, 2003, 50, 183-187.	0.5	13
65	Gene Expression Changes Associated With the Progression of Intraductal Papillary Mucinous Neoplasms. Pancreas, 2012, 41, 611-618.	0.5	13
66	A simulation to analyze feature selection methods utilizing gene ontology for gene expression classification. Journal of Biomedical Informatics, 2013, 46, 1044-1059.	2.5	13
67	The Challenge of Sustaining a Hospital-Based Biobank and Core Molecular Laboratory: The Beaumont Experience. Biopreservation and Biobanking, 2014, 12, 306-311.	0.5	13
68	The Effects of Pulsed Radiation Therapy on Tumor Oxygenation in 2 Murine Models of Head and Neck Squamous Cell Carcinoma. International Journal of Radiation Oncology Biology Physics, 2015, 92, 820-828.	0.4	13
69	Preclinical Models for Translational Research Should Maintain Pace With Modern Clinical Practice. International Journal of Radiation Oncology Biology Physics, 2014, 88, 540-544.	0.4	12
70	Pulsed Radiation Therapy With Concurrent Cisplatin Results in Superior Tumor Growth Delay in a Head and Neck Squamous Cell Carcinoma Murine Model. International Journal of Radiation Oncology Biology Physics, 2016, 96, 161-169.	0.4	12
71	Identification of novel susceptibility genes associated with seven autoimmune disorders using whole genome molecular interaction networks. Journal of Autoimmunity, 2019, 97, 48-58.	3.0	11
72	Isolation and genomic characterization of stem cells in head and neck cancer. Head and Neck, 2013, 35, 1573-1582.	0.9	10

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73	Evaluation of genetic biomarkers for distinguishing benign from malignant thyroid neoplasms. American Journal of Surgery, 2014, 207, 596-601.	0.9	10
74	Cancer Stem Cell Signaling during Repopulation in Head and Neck Cancer. Stem Cells International, 2016, 2016, 1-10.	1.2	10
75	Dual blockade of PI3K and MEK in combination with radiation in head and neck cancer. Clinical and Translational Radiation Oncology, 2018, 11, 1-10.	0.9	10
76	<title>Automated segmentation of cancer cell nuclei in complex tissue sections</title>. , 2001, , .		9
77	Improved Production by Domain Inversion of Single-Chain Fv Antibody Fragment Against High Molecular Weight Proteoglycan for the Radioimmunotargeting of Melanoma. Hybridoma, 2001, 20, 351-360.	0.6	9
78	Identification of P-cadherin in Primary Melanoma Using a Tissue Microarrayer. Annals of Plastic Surgery, 2005, 55, 316-320.	0.5	9
79	Flow Cytometric DNA Analysis of Human Cancers and Cell Lines. Methods in Molecular Biology, 2011, 731, 359-370.	0.4	9
80	Effect of Irradiation on Tumor Microenvironment and Bone Marrow Cell Migration in a Preclinical Tumor Model. International Journal of Radiation Oncology Biology Physics, 2016, 96, 170-178.	0.4	9
81	Development of Bioreductive Markers for Tumour Hypoxia. Acta Oncológica, 1995, 34, 351-355.	0.8	8
82	Hypoxia and prognosis: the oxygen tension mounts. Frontiers in Bioscience - Landmark, 2007, 12, 3502.	3.0	8
83	Characteristic 8ÅkeV X Rays Possess Radiobiological Properties of Higher-LET Radiation. Radiation Research, 2010, 173, 290-297.	0.7	8
84	Hematopoietic Stem and Progenitor Cell Migration After Hypofractionated Radiation Therapy in a Murine Model. International Journal of Radiation Oncology Biology Physics, 2013, 87, 1162-1170.	0.4	8
85	Glucose Metabolism Gene Expression Patterns and Tumor Uptake of 18F-Fluorodeoxyglucose After Radiation Treatment. International Journal of Radiation Oncology Biology Physics, 2014, 90, 620-627.	0.4	8
86	The significance of Trk receptors in pancreatic cancer. Tumor Biology, 2017, 39, 101042831769225.	0.8	8
87	Effect of uncertainties in quantitative ¹⁸F–FDG PET/CT imaging feedback for intratumoral dose–response assessment and dose painting by number. Medical Physics, 2020, 47, 5681-5692.	1.6	8
88	Pulsed radiation therapy for the treatment of newly diagnosed glioblastoma. Neuro-Oncology, 2021, 23, 447-456.	0.6	8
89	CD133 Staining Detects Acute Kidney Injury and Differentiates Clear Cell Papillary Renal Cell Carcinoma from Other Renal Tumors. ISRN Biomarkers, 2013, 2013, 1-8.	0.5	7
90	Radiosensitizing and Hyperthermic Properties of Hyaluronan Conjugated, Dextran-Coated Ferric Oxide Nanoparticles: Implications for Cancer Stem Cell Therapy. Journal of Nanomaterials, 2015, 2015, 1-11.	1.5	7

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91	Targeted DNA sequencing of non-small cell lung cancer identifies mutations associated with brain metastases. Oncotarget, 2018, 9, 25957-25970.	0.8	7
92	Early Treatment Response Monitoring Using 2-Deoxy-2-[^{18}F]fluoro-D-glucose Positron Emission Tomography Imaging during Fractionated Radiotherapy of Head Neck Cancer Xenografts. BioMed Research International, 2014, 2014, 1-8.	0.9	6
93	Diagnostic role of kidney injury molecule-1 in renal cell carcinoma. International Urology and Nephrology, 2019, 51, 1893-1902.	0.6	6
94	Dacomitinib and gedatolisib in combination with fractionated radiation in head and neck cancer. Clinical and Translational Radiation Oncology, 2021, 26, 15-23.	0.9	6
95	Proliferation rates in human malignant melanoma. Melanoma Research, 2003, 13, 271-277.	0.6	5
96	Flow Cytometry in Radiation Research: Past, Present and Future. Radiation Research, 2007, 168, 391-403.	0.7	5
97	SELDI-TOF-MS Serum Profiling Reveals Predictors of Cardiac MRI Changes in Marathon Runners. International Journal of Proteomics, 2012, 2012, 1-9.	2.0	5
98	Beaumont Health System BioBank: A Multidisciplinary Biorepository and Translational Research Facility. Biopreservation and Biobanking, 2013, 11, 221-228.	0.5	5
99	Inter/intra-tumoral dose response variations assessed using FDG-PET/CT feedback images: Impact on tumor control and treatment dose prescription. Radiotherapy and Oncology, 2021, 154, 235-242.	0.3	5
100	Cell Kinetic Studies Using a Monoclonal Antibody to Bromodeoxyuridine. Methods in Molecular Biology, 1998, 80, 255-266.	0.4	5
101	Intratumoural haematopoietic stem and progenitor cell differentiation into M2 macrophages facilitates the regrowth of solid tumours after radiation therapy. British Journal of Cancer, 2022, 126, 927-936.	2.9	5
102	Gene expression changes during repopulation in a head and neck cancer xenograft. Radiotherapy and Oncology, 2014, 113, 139-145.	0.3	4
103	Prognostic significance of MTOR expression in HPV positive and negative head and neck cancers treated by chemoradiation. Head and Neck, 2020, 42, 153-162.	0.9	4
104	Harnessing mass spectra data using KNN principle. ACM SIGBioinformatics Record, 2018, 7, 1-7.	0.3	3
105	Cytotoxicity of radiocontrast dyes in human umbilical cord mesenchymal stem cells. Toxicology and Applied Pharmacology, 2018, 349, 72-82.	1.3	3
106	Amelioration of Mucositis in Proton Therapy of Fanconi Anemia Fanca$^{-/-}$ Mice by JP4-039. In Vivo, 2019, 33, 1757-1766.	0.6	3
107	Predicting Outcome using Genomic-Based Liquid Biomarkers. International Journal of Radiation Oncology Biology Physics, 2020, 106, 1-4.	0.4	3
108	Computational Convolution of SELDI Data for the Diagnosis of Alzheimer's Disease. High-Throughput, 2018, 7, 14.	4.4	2

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109	Technical Note: FLASH radiotherapy monitor chamber signal conditioning. Medical Physics, 2021, 48, 791-795.	1.6	2
110	Using global gene expression to discriminate thin melanomas with poor outcomes. Molecular and Cellular Oncology, 2017, 4, e1253527.	0.3	1
111	Molecular Interaction Network Approach (MINA) identifies association of novel candidate disease genes. MethodsX, 2019, 6, 1286-1291.	0.7	1
112	Correlation between tumor voxel dose response matrix and tumor biomarker profile in patients with head and neck squamous cell carcinoma. Radiotherapy and Oncology, 2021, 164, 196-201.	0.3	1
113	Prostate-Specific Natural Health Products (Dietary Supplements) Radiosensitize Normal Prostate Cells. International Journal of Radiation Oncology Biology Physics, 2010, 76, 896-904.	0.4	0
114	Rectal Cancer: Spectral Imaging and Immunohistochemistry of Thymidylate Synthase. , 2009, , 329-339.		0