

Anthony Chalmers

List of Publications by Year in descending order

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87
papers

4,988
citations

136950

32
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98798

67
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93
docs citations

93
times ranked

8724
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Dose Lung Radiation Therapy for COVID-19 Lung Disease: A Preclinical Efficacy Study in a Bleomycin Model of Pneumonitis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 197-211.	0.8	13
2	Evaluating potential of multi-parametric MRI using co-registered histology: Application to a mouse model of glioblastoma. <i>Magnetic Resonance Imaging</i> , 2022, 85, 121-127.	1.8	0
3	Radiotherapy-Poly(ADP-ribose) Polymerase Inhibitor Combinations: Progress to Date. <i>Seminars in Radiation Oncology</i> , 2022, 32, 15-28.	2.2	8
4	Radiation-induced neuroinflammation: a potential protective role for poly(ADP-ribose) polymerase inhibitors?. <i>Neuro-Oncology Advances</i> , 2022, 4, vdab190.	0.7	6
5	Targeting PARP for Chemoradiosensitization: Opportunities, Challenges, and the Road Ahead. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 265-270.	0.8	1
6	Increased apoptotic sensitivity of glioblastoma enables therapeutic targeting by BH3-mimetics. <i>Cell Death and Differentiation</i> , 2022, 29, 2089-2104.	11.2	10
7	Radiotherapy-drug combinations in the treatment of glioblastoma: a brief review. <i>CNS Oncology</i> , 2022, 11, .	3.0	5
8	Clinician Attitudes to Using Low-Dose Radiation Therapy to Treat COVID-19 Lung Disease. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 886-890.	0.8	13
9	Personal View: Low-Dose Lung Radiotherapy Should be Evaluated as a Treatment for Severe COVID-19 Lung Disease. <i>Clinical Oncology</i> , 2021, 33, e64-e68.	1.4	2
10	Loss of TGF β 2 signaling increases alternative end-joining DNA repair that sensitizes to genotoxic therapies across cancer types. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	33
11	An International Expert Survey on the Indications and Practice of Radical Thoracic Reirradiation for Non-Small Cell Lung Cancer. <i>Advances in Radiation Oncology</i> , 2021, 6, 100653.	1.2	11
12	Radiobiology Summaries: DNA Damage and Repair. <i>Clinical Oncology</i> , 2021, 33, 275-278.	1.4	2
13	Serum Proteomics and Plasma Fibulin-3 in Differentiation of Mesothelioma From Asbestos-Exposed Controls and Patients With Other Pleural Diseases. <i>Journal of Thoracic Oncology</i> , 2021, 16, 1705-1717.	1.1	10
14	Geriatric assessment of glioblastoma patients is feasible and may provide useful prognostic information. <i>Neuro-Oncology Practice</i> , 2020, 7, 176-184.	1.6	5
15	Radiation Responses of 2D and 3D Glioblastoma Cells: A Novel, 3D-specific Radioprotective Role of VEGF/Akt Signaling through Functional Activation of NHEJ. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 575-589.	4.1	24
16	CTRad 10 Years On: From 10-point Plan to Top 10 Achievements. <i>Clinical Oncology</i> , 2020, 32, 9-12.	1.4	4
17	Mesothelioma Cells Depend on the Antiapoptotic Protein Bcl-xL for Survival and Are Sensitized to Ionizing Radiation by BH3-Mimetics. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 867-877.	0.8	13
18	Quantitative in vivo bioluminescence imaging of orthotopic patient-derived glioblastoma xenografts. <i>Scientific Reports</i> , 2020, 10, 15361.	3.3	10

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19	CONCORDE: A phase I platform study of novel agents in combination with conventional radiotherapy in non-small-cell lung cancer. <i>Clinical and Translational Radiation Oncology</i> , 2020, 25, 61-66.	1.7	15
20	Cytotoxicity and Radiosensitizing Activity of the Fatty Acid Synthase Inhibitor C75 Is Enhanced by Blocking Fatty Acid Uptake in Prostate Cancer Cells. <i>Advances in Radiation Oncology</i> , 2020, 5, 994-1005.	1.2	19
21	Hydroxychloroquine and short-course radiotherapy in elderly patients with newly diagnosed high-grade glioma: a randomized phase II trial. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa046.	0.7	7
22	Pharmacokinetics, safety, and tolerability of olaparib and temozolomide for recurrent glioblastoma: results of the phase I OPARATIC trial. <i>Neuro-Oncology</i> , 2020, 22, 1840-1850.	1.2	77
23	Multifaceted transforming growth factor-beta (TGF β) signalling in glioblastoma. <i>Cellular Signalling</i> , 2020, 72, 109638.	3.6	23
24	Stacked in-plane histology for quantitative validation of non-invasive imaging biomarkers: Application to an infiltrative brain tumour model. <i>Journal of Neuroscience Methods</i> , 2019, 326, 108372.	2.5	4
25	Focused very high-energy electron beams as a novel radiotherapy modality for producing high-dose volumetric elements. <i>Scientific Reports</i> , 2019, 9, 10837.	3.3	40
26	Pre-EDIT. <i>Chest</i> , 2019, 156, 1204-1213.	0.8	22
27	A DNA Repair and Cell-Cycle Gene Expression Signature in Primary and Recurrent Glioblastoma: Prognostic Value and Clinical Implications. <i>Cancer Research</i> , 2019, 79, 1226-1238.	0.9	26
28	Assembling the brain trust: the multidisciplinary imperative in neuro-oncology. <i>Nature Reviews Clinical Oncology</i> , 2019, 16, 521-522.	27.6	3
29	DNA Repair in Radiation Oncology. , 2019, , 1-16.		0
30	Patient-specific 3D-printed glioblastomas. <i>Nature Biomedical Engineering</i> , 2019, 3, 498-499.	22.5	14
31	An audit of the management of elderly patients with glioblastoma in the UK: have recent trial results changed treatment?. <i>CNS Oncology</i> , 2019, 8, CNS47.	3.0	3
32	Glutamatergic synaptic input to glioma cells drives brain tumour progression. <i>Nature</i> , 2019, 573, 532-538.	27.8	628
33	Targeting DNA repair in gliomas. <i>Current Opinion in Neurology</i> , 2019, 32, 878-885.	3.6	11
34	Evaluation of four different small animal radiation plans on tumour and normal tissue dosimetry in a glioblastoma mouse model. <i>British Journal of Radiology</i> , 2019, 92, 20180469.	2.2	12
35	Quantitative histopathologic assessment of perfusion MRI as a marker of glioblastoma cell infiltration in and beyond the peritumoral edema region. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 529-540.	3.4	13
36	Glioblastoma's Next Top Model: Novel Culture Systems for Brain Cancer Radiotherapy Research. <i>Cancers</i> , 2019, 11, 44.	3.7	59

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37	An ¹⁸ F-Labeled Poly(ADP-ribose) Polymerase Positron Emission Tomography Imaging Agent. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 4103-4114.	6.4	19
38	PARADIGM-2: Two parallel phase I studies of olaparib and radiotherapy or olaparib and radiotherapy plus temozolomide in patients with newly diagnosed glioblastoma, with treatment stratified by MGMT status. <i>Clinical and Translational Radiation Oncology</i> , 2018, 8, 12-16.	1.7	51
39	SYSTEMS-2: A randomised phase II study of radiotherapy dose escalation for pain control in malignant pleural mesothelioma. <i>Clinical and Translational Radiation Oncology</i> , 2018, 8, 45-49.	1.7	16
40	A Novel Small-Molecule Inhibitor of MRCK Prevents Radiation-Driven Invasion in Glioblastoma. <i>Cancer Research</i> , 2018, 78, 6509-6522.	0.9	22
41	Practice-changing radiation therapy trials for the treatment of cancer: where are we 150 years after the birth of Marie Curie?. <i>British Journal of Cancer</i> , 2018, 119, 389-407.	6.4	92
42	Replication Stress Drives Constitutive Activation of the DNA Damage Response and Radioresistance in Glioblastoma Stem-like Cells. <i>Cancer Research</i> , 2018, 78, 5060-5071.	0.9	118
43	Health economic evaluation of a serum-based blood test for brain tumour diagnosis: exploration of two clinical scenarios. <i>BMJ Open</i> , 2018, 8, e017593.	1.9	40
44	Radiation-Induced Transformation of Immunoregulatory Networks in the Tumor Stroma. <i>Frontiers in Immunology</i> , 2018, 9, 1679.	4.8	31
45	Multiple bolus arterial spin labeling for high signal-to-noise rodent brain perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1020-1030.	3.0	7
46	Pre-EDIT: protocol for a randomised feasibility trial of elastance-directed intrapleural catheter or talc pleurodesis (EDIT) in malignant pleural effusion. <i>BMJ Open Respiratory Research</i> , 2018, 5, e000293.	3.0	5
47	A novel 3D human glioblastoma cell culture system for modeling drug and radiation responses. <i>Neuro-Oncology</i> , 2017, 19, now164.	1.2	75
48	The role of radical radiotherapy in the management of malignant pleural mesothelioma: A systematic review. <i>Radiotherapy and Oncology</i> , 2017, 125, 1-12.	0.6	15
49	GBM radiosensitizers: dead in the water or just the beginning?. <i>Journal of Neuro-Oncology</i> , 2017, 134, 513-521.	2.9	19
50	Improving the Therapeutic Ratio of Radiotherapy by Targeting the DNA Damage Response. <i>Cancer Drug Discovery and Development</i> , 2017, , 1-34.	0.4	2
51	Hidden in plain sight: promising therapeutic targets for glioblastoma lurk within DNA damage response pathways. <i>Translational Cancer Research</i> , 2017, 6, S438-S440.	1.0	0
52	The Challenges Faced in Developing Novel Drug Radiation Combinations in Non-small Cell Lung Cancer. <i>Clinical Oncology</i> , 2016, 28, 720-725.	1.4	6
53	PP2A Inhibitor PME-1 Drives Kinase Inhibitor Resistance in Glioma Cells. <i>Cancer Research</i> , 2016, 76, 7001-7011.	0.9	41
54	Glioblastoma in the elderly – How do we choose who to treat?. <i>Journal of Geriatric Oncology</i> , 2016, 7, 453-456.	1.0	25

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55	Diagnostic and Prognostic Biomarkers in the Rational Assessment of Mesothelioma (DIAPHRAGM) study: protocol of a prospective, multicentre, observational study. <i>BMJ Open</i> , 2016, 6, e013324.	1.9	29
56	Clinical development of new drug-radiotherapy combinations. <i>Nature Reviews Clinical Oncology</i> , 2016, 13, 627-642.	27.6	230
57	Science in Focus: Combining Radiotherapy with Inhibitors of the DNA Damage Response. <i>Clinical Oncology</i> , 2016, 28, 279-282.	1.4	14
58	ESTRO-ACROP guideline -target delineation of glioblastomas. <i>Radiotherapy and Oncology</i> , 2016, 118, 35-42.	0.6	286
59	Hypoxia-inducible factor 1 alpha is required for the tumourigenic and aggressive phenotype associated with Rab25 expression in ovarian cancer. <i>Oncotarget</i> , 2016, 7, 22650-22664.	1.8	33
60	Is Radiotherapy Useful for Treating Pain in Mesothelioma?: A Phase II Trial. <i>Journal of Thoracic Oncology</i> , 2015, 10, 944-950.	1.1	73
61	A novel ¹⁸ F-labelled high affinity agent for PET imaging of the translocator protein. <i>Chemical Science</i> , 2015, 6, 4772-4777.	7.4	17
62	Abrogation of radioresistance in glioblastoma stem-like cells by inhibition of ATM kinase. <i>Molecular Oncology</i> , 2015, 9, 192-203.	4.6	108
63	Limited Mitochondrial Permeabilization Causes DNA Damage and Genomic Instability in the Absence of Cell Death. <i>Molecular Cell</i> , 2015, 57, 860-872.	9.7	341
64	Synthesis and Evaluation of a Radioiodinated Tracer with Specificity for Poly(ADP-ribose) Polymerase-1 (PARP-1) in Vivo. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8683-8693.	6.4	50
65	Selective Inhibition of Parallel DNA Damage Response Pathways Optimizes Radiosensitization of Glioblastoma Stem-like Cells. <i>Cancer Research</i> , 2015, 75, 4416-4428.	0.9	154
66	Glutamine synthetase activity fuels nucleotide biosynthesis and supports growth of glutamine-restricted glioblastoma. <i>Nature Cell Biology</i> , 2015, 17, 1556-1568.	10.3	423
67	Clinical and Cellular Roles for TDP1 and TOP1 in Modulating Colorectal Cancer Response to Irinotecan. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 575-585.	4.1	59
68	Differential sensitivity of Glioma stem cells to Aurora kinase A inhibitors: Implications for stem cell mitosis and centrosome dynamics. <i>Stem Cell Research</i> , 2014, 13, 135-143.	0.7	43
69	Changes in the Secretory Profile of NSCLC-Associated Fibroblasts after Ablative Radiotherapy: Potential Impact on Angiogenesis and Tumor Growth. <i>Translational Oncology</i> , 2013, 6, 66-74.	3.7	50
70	DNA Repair and Resistance to Topoisomerase I Inhibitors: Mechanisms, Biomarkers and Therapeutic Targets. <i>Current Medicinal Chemistry</i> , 2012, 19, 3874-3885.	2.4	67
71	Supportive follow-up in patients treated with radical intent for high-grade glioma. <i>CNS Oncology</i> , 2012, 1, 39-48.	3.0	9
72	Systematic review of supportive care needs in patients with primary malignant brain tumors. <i>Neuro-Oncology</i> , 2012, 14, 392-404.	1.2	166

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73	The potential of PARP inhibitors in neuro-oncology. <i>CNS Oncology</i> , 2012, 1, 85-97.	3.0	12
74	Topoisomerase I inhibition in colorectal cancer: biomarkers and therapeutic targets. <i>British Journal of Cancer</i> , 2012, 106, 18-24.	6.4	91
75	Radioresistance of glioma stem cells: Intrinsic characteristic or property of the "microenvironment" stem cell unit? <i>Molecular Oncology</i> , 2011, 5, 374-386.	4.6	88
76	A UK-wide survey of follow-up practices for patients with high-grade glioma treated with radical intent. <i>Journal of Evaluation in Clinical Practice</i> , 2011, 17, 1-6.	1.8	11
77	Poly(ADP-Ribose) Polymerase Inhibition as a Model for Synthetic Lethality in Developing Radiation Oncology Targets. <i>Seminars in Radiation Oncology</i> , 2010, 20, 274-281.	2.2	123
78	Sensitization to Radiation and Alkylating Agents by Inhibitors of Poly(ADP-ribose) Polymerase Is Enhanced in Cells Deficient in DNA Double-Strand Break Repair. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1775-1787.	4.1	118
79	Evaluating novel radiation techniques for the treatment of cerebral metastases. <i>British Journal of Radiology</i> , 2010, 83, 98-100.	2.2	2
80	Enhanced radiosensitization of human glioma cells by combining inhibition of poly(ADP-ribose) polymerase with inhibition of heat shock protein 90. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 2243-2254.	4.1	103
81	Replication-Dependent Radiosensitization of Human Glioma Cells by Inhibition of Poly(ADP-Ribose) Polymerase: Mechanisms and Therapeutic Potential. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 1188-1197.	0.8	190
82	The potential role and application of PARP inhibitors in cancer treatment. <i>British Medical Bulletin</i> , 2008, 89, 23-40.	6.9	88
83	Psychosocial and supportive-care needs in high-grade glioma. <i>Lancet Oncology</i> , The, 2008, 9, 884-891.	10.7	156
84	Radioresistant glioma stem cells "Therapeutic obstacle or promising target?. <i>DNA Repair</i> , 2007, 6, 1391-1394.	2.8	35
85	An Achilles' heel for breast cancer?. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 387-388.	8.2	4
86	ADVANCES IN MUCOSAL IMMUNOLOGY. <i>Gastroenterology Clinics of North America</i> , 1997, 26, 145-173.	2.2	11
87	NOTCH blockade combined with radiation therapy and temozolomide prolongs survival of orthotopic glioblastoma. <i>Oncotarget</i> , 0, 7, 41251-41264.	1.8	65