

Amit Maity

List of Publications by Year in descending order

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117
papers

10,493
citations

53794

45
h-index

32842

100
g-index

117
all docs

117
docs citations

117
times ranked

17378
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiation and dual checkpoint blockade activate non-redundant immune mechanisms in cancer. <i>Nature</i> , 2015, 520, 373-377.	27.8	1,955
2	PI3K/AKT/mTOR Pathway in Angiogenesis. <i>Frontiers in Molecular Neuroscience</i> , 2011, 4, 51.	2.9	1,002
3	Tumor Interferon Signaling Regulates a Multigenic Resistance Program to Immune Checkpoint Blockade. <i>Cell</i> , 2016, 167, 1540-1554.e12.	28.9	830
4	Regulation of glut1 mRNA by Hypoxia-inducible Factor-1. <i>Journal of Biological Chemistry</i> , 2001, 276, 9519-9525.	3.4	633
5	ER stress-mediated autophagy promotes Myc-dependent transformation and tumor growth. <i>Journal of Clinical Investigation</i> , 2012, 122, 4621-4634.	8.2	336
6	The molecular basis for cell cycle delays following ionizing radiation: a review. <i>Radiotherapy and Oncology</i> , 1994, 31, 1-13.	0.6	275
7	Surgery with or without radiation therapy in the management of craniopharyngiomas in children and young adults. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 58, 714-720.	0.8	275
8	Design, Implementation, and in Vivo Validation of a Novel Proton FLASH Radiation Therapy System. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 440-448.	0.8	274
9	EGFR Tyrosine Kinase Inhibitors Decrease VEGF Expression by Both Hypoxia-Inducible Factor (HIF)-1-Independent and HIF-1-Dependent Mechanisms. <i>Cancer Research</i> , 2006, 66, 3197-3204.	0.9	256
10	Sp1 Is Involved in Akt-mediated Induction of VEGF Expression through an HIF-1-independent Mechanism. <i>Molecular Biology of the Cell</i> , 2004, 15, 4841-4853.	2.1	206
11	Inhibition of Phosphatidylinositol-3-OH Kinase/Akt Signaling Impairs DNA Repair in Glioblastoma Cells following Ionizing Radiation. <i>Journal of Biological Chemistry</i> , 2007, 282, 21206-21212.	3.4	199
12	Akt1 Activation Can Augment Hypoxia-Inducible Factor-1 Expression by Increasing Protein Translation through a Mammalian Target of Rapamycin-Independent Pathway. <i>Molecular Cancer Research</i> , 2006, 4, 471-479.	3.4	167
13	Nelfinavir Down-regulates Hypoxia-Inducible Factor 1 and VEGF Expression and Increases Tumor Oxygenation: Implications for Radiotherapy. <i>Cancer Research</i> , 2006, 66, 9252-9259.	0.9	147
14	Cellular responses to EGFR inhibitors and their relevance to cancer therapy. <i>Cancer Letters</i> , 2007, 254, 165-177.	7.2	143
15	Effects of ionizing radiation on cell cycle progression. <i>Radiation and Environmental Biophysics</i> , 1995, 34, 79-83.	1.4	133
16	Identification of Putative c-Myc-Responsive Genes: Characterization of <i>c-Myc-Responsive Element-1</i> , a Novel Growth-Related Gene. <i>Molecular and Cellular Biology</i> , 1997, 17, 4967-4978.	2.3	131
17	PTEN mutation and epidermal growth factor receptor activation regulate vascular endothelial growth factor (VEGF) mRNA expression in human glioblastoma cells by transactivating the proximal VEGF promoter. <i>Cancer Research</i> , 2003, 63, 236-41.	0.9	120
18	Phosphatase and Tensin Homologue Deficiency in Glioblastoma Confers Resistance to Radiation and Temozolomide that Is Reversed by the Protease Inhibitor Nelfinavir. <i>Cancer Research</i> , 2007, 67, 4467-4473.	0.9	118

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19	Potential molecular targets for manipulating the radiation response. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997, 37, 639-653.	0.8	110
20	The HIV Protease Inhibitor Nelfinavir Downregulates Akt Phosphorylation by Inhibiting Proteasomal Activity and Inducing the Unfolded Protein Response. <i>Neoplasia</i> , 2007, 9, 271-278.	5.3	110
21	Epidermal Growth Factor Receptor Inhibition Modulates the Microenvironment by Vascular Normalization to Improve Chemotherapy and Radiotherapy Efficacy. <i>PLoS ONE</i> , 2009, 4, e6539.	2.5	110
22	Craniospinal radiation in the treatment of biopsy-proven intracranial germinomas: twenty-five years' experience in a single center. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 58, 1165-1170.	0.8	108
23	The Tumor Microenvironment in Non-Small-Cell Lung Cancer. <i>Seminars in Radiation Oncology</i> , 2010, 20, 156-163.	2.2	108
24	Cell Cycle-dependent Regulation of the Cyclin B1 Promoter. <i>Journal of Biological Chemistry</i> , 1995, 270, 28419-28424.	3.4	100
25	Radiation Response in Two HPV-Infected Head-and-Neck Cancer Cell Lines in Comparison to a Non-HPV-Infected Cell Line and Relationship to Signaling Through AKT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 74, 928-933.	0.8	93
26	Near complete surgical resection predicts a favorable outcome in pediatric patients with nonbrainstem, malignant gliomas. <i>Cancer</i> , 2004, 101, 817-824.	4.1	91
27	Awakening the immune system with radiation: Optimal dose and fractionation. <i>Cancer Letters</i> , 2015, 368, 185-190.	7.2	91
28	Modulating the tumor microenvironment to increase radiation responsiveness. <i>Cancer Biology and Therapy</i> , 2009, 8, 1994-2001.	3.4	88
29	M-CSF Signals through the MAPK/ERK Pathway via Sp1 to Induce VEGF Production and Induces Angiogenesis In Vivo. <i>PLoS ONE</i> , 2008, 3, e3405.	2.5	87
30	A phase I trial of pembrolizumab with hypofractionated radiotherapy in patients with metastatic solid tumours. <i>British Journal of Cancer</i> , 2018, 119, 1200-1207.	6.4	83
31	Association of Antibiotic Exposure With Survival and Toxicity in Patients With Melanoma Receiving Immunotherapy. <i>Journal of the National Cancer Institute</i> , 2021, 113, 162-170.	6.3	81
32	HIV Protease Inhibitors Decrease VEGF/HIF-1 α Expression and Angiogenesis in Glioblastoma Cells. <i>Neoplasia</i> , 2006, 8, 889-895.	5.3	78
33	Inhibition of Autophagy as a Strategy to Augment Radiosensitization by the Dual Phosphatidylinositol 3-Kinase/Mammalian Target of Rapamycin Inhibitor NVP-BE235. <i>Molecular Pharmacology</i> , 2012, 82, 1230-1240.	2.3	78
34	FLASH Proton Radiotherapy Spares Normal Epithelial and Mesenchymal Tissues While Preserving Sarcoma Response. <i>Cancer Research</i> , 2021, 81, 4808-4821.	0.9	77
35	The Future of Radiobiology. <i>Journal of the National Cancer Institute</i> , 2018, 110, 329-340.	6.3	76
36	Childhood intracranial ependymoma. <i>Cancer</i> , 2007, 110, 432-441.	4.1	71

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37	A Phase I Trial of the HIV Protease Inhibitor Nelfinavir with Concurrent Chemoradiotherapy for Unresectable Stage IIIA/IIIB Non-small Cell Lung Cancer: A Report of Toxicities and Clinical Response. <i>Journal of Thoracic Oncology</i> , 2012, 7, 709-715.	1.1	68
38	Detection of Reactive Oxygen Species via Endogenous Oxidative Pentose Phosphate Cycle Activity in Response to Oxygen Concentration. <i>Journal of Biological Chemistry</i> , 2007, 282, 36790-36796.	3.4	67
39	Bridging Radiation Therapy Before Commercial Chimeric Antigen Receptor T-Cell Therapy for Relapsed or Refractory Aggressive B-Cell Lymphoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 178-188.	0.8	60
40	Increasing Sensitivity to Radiotherapy and Chemotherapy by Using Novel Biological Agents that Alter the Tumor Microenvironment. <i>Current Molecular Medicine</i> , 2009, 9, 1034-1045.	1.3	56
41	Pulmonary function abnormalities in children treated with whole lung irradiation. <i>Pediatric Blood and Cancer</i> , 2006, 46, 222-227.	1.5	54
42	The PI3K/Akt Pathway Regulates Oxygen Metabolism via Pyruvate Dehydrogenase (PDH)-E1 α Phosphorylation. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 1928-1938.	4.1	54
43	Ionizing radiation inhibits tumor neovascularization by inducing ineffective angiogenesis. <i>Cancer Biology and Therapy</i> , 2005, 4, 1395-1400.	3.4	53
44	Early Changes in Cardiovascular Biomarkers with Contemporary Thoracic Radiation Therapy for Breast Cancer, Lung Cancer, and Lymphoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 851-860.	0.8	53
45	Hypoxia and VEGF mRNA Expression in Human Tumors. <i>Neoplasia</i> , 2001, 3, 500-508.	5.3	50
46	Comparison of FLASH Proton Entrance and the Spread-Out Bragg Peak Dose Regions in the Sparing of Mouse Intestinal Crypts and in a Pancreatic Tumor Model. <i>Cancers</i> , 2021, 13, 4244.	3.7	48
47	<i>In Vivo</i> Profiling of Hypoxic Gene Expression in Gliomas Using the Hypoxia Marker EF5 and Laser-capture Microdissection. <i>Cancer Research</i> , 2011, 71, 779-789.	0.9	47
48	Consolidative proton therapy after chemotherapy for patients with Hodgkin lymphoma. <i>Annals of Oncology</i> , 2017, 28, 2179-2184.	1.2	44
49	Treatment of Pediatric Intracranial Arteriovenous Malformations with Linear-Accelerator-Based Stereotactic Radiosurgery: The University of Pennsylvania Experience. <i>Pediatric Neurosurgery</i> , 2004, 40, 207-214.	0.7	43
50	Molecular Pathways: A Novel Approach to Targeting Hypoxia and Improving Radiotherapy Efficacy via Reduction in Oxygen Demand. <i>Clinical Cancer Research</i> , 2015, 21, 1995-2000.	7.0	43
51	Regulation of Histone Deacetylase 4 Expression by the SP Family of Transcription Factors. <i>Molecular Biology of the Cell</i> , 2006, 17, 585-597.	2.1	41
52	Transcriptome analysis of hypoxic cancer cells uncovers intron retention in EIF2B5 as a mechanism to inhibit translation. <i>PLoS Biology</i> , 2017, 15, e2002623.	5.6	41
53	Radiotherapy and the Tumor Microenvironment: Mutual Influence and Clinical Implications. <i>Advances in Experimental Medicine and Biology</i> , 2014, 772, 147-165.	1.6	38
54	A Review of Radiation-Induced Coagulopathy and New Findings to Support Potential Prevention Strategies and Treatments. <i>Radiation Research</i> , 2016, 186, 121-140.	1.5	37

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55	Both Increased Stability and Transcription Contribute to the Induction of the Urokinase Plasminogen Activator Receptor (uPAR) Message by Hypoxia. <i>Experimental Cell Research</i> , 2000, 255, 250-257.	2.6	35
56	Brentuximab vedotin in combination with rituximab, cyclophosphamide, doxorubicin, and prednisone as frontline treatment for patients with CD30-positive B-cell lymphomas. <i>Haematologica</i> , 2021, 106, 1705-1713.	3.5	34
57	Dual PI3K/mTOR inhibitor NVP-BEZ235 suppresses hypoxia-inducible factor (HIF)-1 α expression by blocking protein translation and increases cell death under hypoxia. <i>Cancer Biology and Therapy</i> , 2012, 13, 1102-1111.	3.4	33
58	Increased Expression of Cyclin B1 mRNA Coincides with Diminished G2 -Phase Arrest in Irradiated HeLa Cells Treated with Staurosporine or Caffeine. <i>Radiation Research</i> , 1994, 140, 393.	1.5	30
59	Modulating Tumor Vasculature through Signaling Inhibition to Improve Cytotoxic Therapy: Figure 1.. <i>Cancer Research</i> , 2010, 70, 2141-2145.	0.9	29
60	A phase I study of nelfinavir concurrent with temozolomide and radiotherapy in patients with glioblastoma multiforme. <i>Journal of Neuro-Oncology</i> , 2014, 116, 365-372.	2.9	29
61	Clinical Outcomes of the HIV Protease Inhibitor Nelfinavir With Concurrent Chemoradiotherapy for Unresectable Stage IIIA/IIIB Non-Small Cell Lung Cancer. <i>JAMA Oncology</i> , 2019, 5, 1464.	7.1	28
62	The effects of radiation on the expression of a newly cloned and characterized rat cyclin B mRNA. <i>International Journal of Radiation Oncology Biology Physics</i> , 1994, 28, 135-144.	0.8	25
63	Low pO ₂ and 1 β -Estradiol Induce VEGF in MCF-7 and MCF-7-5C Cells: Relationship to in vivo Hypoxia. <i>Breast Cancer Research and Treatment</i> , 2001, 67, 51-60.	2.5	23
64	Effects of hyperbaric oxygen exposure on experimental head and neck tumor growth, oxygenation, and vasculature. <i>Head and Neck</i> , 2005, 27, 362-369.	2.0	23
65	Volumetric considerations in radiotherapy for pediatric parameningeal rhabdomyosarcomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 55, 1294-1299.	0.8	22
66	Onset of mandible and tibia osteoradionecrosis: a comparative pilot study in the rat. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2013, 115, 201-211.	0.4	22
67	Cherenkov imaging for total skin electron therapy (TSET). <i>Medical Physics</i> , 2020, 47, 201-212.	3.0	22
68	Combination of CHEK1/2 inhibition and ionizing radiation results in abscopal tumor response through increased micronuclei formation. <i>Oncogene</i> , 2020, 39, 4344-4357.	5.9	22
69	Sirolimus as a potential radiosensitizer in squamous cell cancer of the head and neck. <i>Head and Neck</i> , 2009, 31, 406-411.	2.0	21
70	Bortezomib sensitizes human head and neck carcinoma cells SQ20B to radiation. <i>Cancer Biology and Therapy</i> , 2007, 6, 156-159.	3.4	18
71	A multi-institutional analysis of peritransplantation radiotherapy in patients with relapsed/refractory Hodgkin lymphoma undergoing autologous stem cell transplantation. <i>Cancer</i> , 2017, 123, 1363-1371.	4.1	18
72	HIF and MIF: a nifty way to delay senescence?: Figure 1.. <i>Genes and Development</i> , 2006, 20, 3337-3341.	5.9	17

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73	New Strategies in Non-Small Cell Lung Cancer: Improving Outcomes in Chemoradiotherapy for Locally Advanced Disease. <i>Clinical Cancer Research</i> , 2011, 17, 4192-4199.	7.0	17
74	A stratified phase I dose escalation trial of hypofractionated radiotherapy followed by ipilimumab in metastatic melanoma: long-term follow-up and final outcomes. <i>Oncolimmunology</i> , 2021, 10, 1863631.	4.6	16
75	Mediastinal masses in children with Hodgkin's disease. An analysis of the Children's hospital of philadelphia and the hospital of the university of pennsylvania experience. <i>Cancer</i> , 1992, 69, 2755-2760.	4.1	15
76	The Safety of Bridging Radiation with Anti-BCMA CAR T-Cell Therapy for Multiple Myeloma. <i>Clinical Cancer Research</i> , 2021, 27, 6580-6590.	7.0	15
77	Incident Learning in Pursuit of High Reliability: Implementing a Comprehensive, Low-Threshold Reporting Program in a Large, Multisite Radiation Oncology Department. <i>Joint Commission Journal on Quality and Patient Safety</i> , 2015, 41, 160-AP1.	0.7	14
78	Journey Toward High Reliability: A Comprehensive Safety Program to Improve Quality of Care and Safety Culture in a Large, Multisite Radiation Oncology Department. <i>Journal of Oncology Practice</i> , 2016, 12, e603-e612.	2.5	14
79	The implementation and assessment of a quality and safety culture education program in a large radiation oncology department. <i>Practical Radiation Oncology</i> , 2016, 6, e127-e134.	2.1	14
80	A Characterization of Bridging Therapies Leading up to Commercial CAR T-Cell Therapy. <i>Blood</i> , 2019, 134, 4108-4108.	1.4	14
81	2-deoxy-glucose and radiation: Teaching an old DOG new tricks?. <i>Cancer Biology and Therapy</i> , 2006, 5, 824-826.	3.4	13
82	Acute neurologic toxicity of palliative radiotherapy for brain metastases in patients receiving immune checkpoint blockade. <i>Neuro-Oncology Practice</i> , 2019, 6, 297-304.	1.6	12
83	Testicular Seminoma 16 Years After Treatment for CNS Germinoma. <i>Journal of Neuro-Oncology</i> , 2004, 70, 83-85.	2.9	11
84	Location, Location, Location-Makes All the Difference for Hypoxia in Lung Tumors. <i>Clinical Cancer Research</i> , 2010, 16, 4685-4687.	7.0	11
85	Low-Dose Total Skin Electron Beam Therapy as Part of a Multimodality Regimen for Treatment of Sarcoid Syndrome. <i>JAMA Dermatology</i> , 2021, 157, 90.	4.1	9
86	Phase 1 trial of nelfinavir added to standard cisplatin chemotherapy with concurrent pelvic radiation for locally advanced cervical cancer. <i>Cancer</i> , 2021, 127, 2279-2293.	4.1	9
87	Galectin-1 and Immune Suppression during Radiotherapy. <i>Clinical Cancer Research</i> , 2014, 20, 6230-6232.	7.0	8
88	Management and outcomes of sinus histiocytosis with massive lymphadenopathy (Rosai Dorfman) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	8
89	Risk of Pneumonitis and Outcomes After Mediastinal Proton Therapy for Relapsed/Refractory Lymphoma: A PTCOG and PCG Collaboration. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 220-230.	0.8	7
90	Early Changes in Physical Activity and Quality of Life With Thoracic Radiation Therapy in Breast Cancer, Lung Cancer, and Lymphoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 946-952.	0.8	7

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91	Estrogen Receptor β -Mediated Inhibition of Actin-Based Cell Migration Suppresses Metastasis of Inflammatory Breast Cancer. <i>Cancer Research</i> , 2021, 81, 2399-2414.	0.9	7
92	Transient expansion and myofibroblast conversion of adipogenic lineage precursors mediate bone marrow repair after radiation. <i>JCI Insight</i> , 2022, 7, .	5.0	7
93	Alternate Polyadenylation in Rodent Cells Results in Two Differentially Expressed Cyclin B1 mRNAs. <i>Biochemical and Biophysical Research Communications</i> , 1994, 202, 908-914.	2.1	6
94	The chemokine receptor CXCR4: A homing device for hypoxic cancer cells?. <i>Cancer Biology and Therapy</i> , 2006, 5, 1563-1565.	3.4	6
95	An automated electronic system for managing radiation treatment plan peer review reduces missed reviews at a large, high-volume academic center. <i>Practical Radiation Oncology</i> , 2016, 6, e307-e314.	2.1	6
96	Combining Radiation with Immunotherapy: The University of Pennsylvania Experience. <i>Seminars in Radiation Oncology</i> , 2020, 30, 173-180.	2.2	6
97	Palliative Radiotherapy for Diffuse Large B-cell Lymphoma. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2021, 21, 650-658.	0.4	6
98	Low-Dose Radiotherapy Versus Moderate-Dose Radiotherapy for the Treatment of Indolent Orbital Adnexal Lymphomas. <i>Frontiers in Oncology</i> , 2021, 11, 716002.	2.8	5
99	A Single-Arm PHASE 2A Study of NM-IL-12 (rHu-IL12) in Patients with Mycosis Fungoides-Type CTCL (MF) Undergoing Low-Dose TOTAL Skin Electron BEAM Therapy (LD-TSEBT). <i>Blood</i> , 2016, 128, 4165-4165.	1.4	5
100	Plasma D-Dimer Levels are Elevated in Radiation Oncology Patients. <i>Radiation Research</i> , 2019, 193, 46.	1.5	5
101	Cherenkov imaging for Total Skin Electron Therapy (TSET). , 2018, , .		5
102	Factors associated with event reporting in the pediatric radiation oncology population using an electronic incident reporting system. <i>Practical Radiation Oncology</i> , 2015, 5, e417-e422.	2.1	4
103	Shining a FLASHlight on Ultrahigh Dose-Rate Radiation and Possible Late Toxicity. <i>Clinical Cancer Research</i> , 0, , OF1-OF3.	7.0	4
104	Decreased cyclin B1 expression contributes to G ₂ delay in human brain tumor cells after treatment with camptothecin. <i>Neuro-Oncology</i> , 2001, 3, 11-21.	1.2	3
105	Moderate Colitis Not Requiring Intravenous Steroids Is Associated with Improved Survival in Stage IV Melanoma after Anti-CTLA4 Monotherapy, But Not Combination Therapy. <i>Oncologist</i> , 2022, 27, 799-808.	3.7	3
106	GENERAL PRINCIPLES OF RADIATION AND CHEMORADIATION. <i>Retina</i> , 2009, 29, S30-S31.	1.7	2
107	Tolerability of sequential immune therapy and palliative radiotherapy to the cervical and thoracic spine. <i>Journal of Radiation Oncology</i> , 2018, 7, 233-239.	0.7	2
108	Cherenkov imaging for total skin electron therapy: an evaluation of dose uniformity. , 2021, 11628, .		2

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109	Consolidative Radiation Therapy Following Autologous Transplantation in Relapsed or Refractory Hodgkin Lymphoma. Blood, 2015, 126, 3195-3195.	1.4	2
110	Concurrent Use of Novel Agents and Radiation Is Tolerated in Lymphoma Patients. Blood, 2019, 134, 2905-2905.	1.4	2
111	Aiding and ABTâ€™ing treatment for glioblastoma. Cancer Biology and Therapy, 2007, 6, 802-804.	3.4	1
112	Impact of Radiotherapy on Hospitalization Burden Surrounding Chimeric Antigen Receptor T-Cell Therapy in Patients with Relapsed/Refractory Non-Hodgkin Lymphoma. International Journal of Radiation Oncology Biology Physics, 2020, 108, E51-E52.	0.8	1
113	Cancer of the Central Nervous System. , 2014, , 938-1001.e16.		1
114	MODULATING THE TUMOR MICROENVIRONMENT TO IMPROVE RADIOTHERAPY. Retina, 2009, 29, S32-S33.	1.7	0
115	Abstract IA-019: Preclinical studies with proton FLASH radiotherapy in mice and canines: Biological effects, biophysical considerations and potential mechanisms. , 2021, , .		0
116	Radiation Therapy for Sarcomas. , 2009, , 277-284.		0
117	Modeling Long-Term Survival in Chemotherapy-Only Versus Combined Modality Therapy in Patients with Early Stage Unfavorable Hodgkin Lymphoma Involving the Mediastinum. Blood, 2016, 128, 2356-2356.	1.4	0