Reid F Thompson

List of Publications by Year
in descending order

68 papers	3,231 citations	218677 26 h-index	161849 54 g-index
75 all docs	75 docs citations	75 times ranked	5729 citing authors

#	Article	IF	Citations
1	Human Leukocyte Antigen Susceptibility Map for Severe Acute Respiratory Syndrome Coronavirus 2. Journal of Virology, 2020, 94, .	3.4	434
2	Comparative isoschizomer profiling of cytosine methylation: The HELP assay. Genome Research, 2006, 16, 1046-1055.	5.5	355
3	Tissue‐specific dysregulation of DNA methylation in aging. Aging Cell, 2010, 9, 506-518.	6.7	185
4	Artificial intelligence in radiation oncology: A specialty-wide disruptive transformation?. Radiotherapy and Oncology, 2018, 129, 421-426.	0.6	175
5	Androgen receptor activity in T cells limits checkpoint blockade efficacy. Nature, 2022, 606, 791-796.	27.8	162
6	High-resolution genome-wide cytosine methylation profiling with simultaneous copy number analysis and optimization for limited cell numbers. Nucleic Acids Research, 2009, 37, 3829-3839.	14.5	141
7	Experimental Intrauterine Growth Restriction Induces Alterations in DNA Methylation and Gene Expression in Pancreatic Islets of Rats. Journal of Biological Chemistry, 2010, 285, 15111-15118.	3.4	140
8	Cytosine Methylation Dysregulation in Neonates Following Intrauterine Growth Restriction. PLoS ONE, 2010, 5, e8887.	2.5	120
9	Myosin superfamily evolutionary history. The Anatomical Record, 2002, 268, 276-289.	1.8	118
10	Widespread Hypomethylation Occurs Early and Synergizes with Gene Amplification during Esophageal Carcinogenesis. PLoS Genetics, 2011, 7, e1001356.	3.5	112
11	A phase II single-arm study of pembrolizumab with enzalutamide in men with metastatic castration-resistant prostate cancer progressing on enzalutamide alone. , 2020, 8, e000642.		77
12	An Integrative Genomic and Epigenomic Approach for the Study of Transcriptional Regulation. PLoS ONE, 2008, 3, e1882.	2.5	77
13	CG dinucleotide clustering is a species-specific property of the genome. Nucleic Acids Research, 2007, 35, 6798-6807.	14.5	74
14	A pipeline for the quantitative analysis of CG dinucleotide methylation using mass spectrometry. Bioinformatics, 2009, 25, 2164-2170.	4.1	69
15	Burden of tumor mutations, neoepitopes, and other variants are weak predictors of cancer immunotherapy response and overall survival. Genome Medicine, 2020, 12, 33.	8.2	67
16	<i>Toxoplasma gondii</i> and <i>Cryptosporidium parvum</i> Lack Detectable DNA Cytosine Methylation. Eukaryotic Cell, 2008, 7, 537-540.	3.4	57
17	Enhanced activation of a â€œnutrientâ€sensingâ€pathway with age contributes to insulin resistance. FASEB Journal, 2008, 22, 3450-3457.	0.5	51
18	A dosimetric comparison of proton and photon therapy in unresectable cancers of the head of pancreas. Medical Physics, 2014, 41, 081711.	3.0	50

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19	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.	0.8	50
20	An analytical pipeline for genomic representations used for cytosine methylation studies. Bioinformatics, 2008, 24, 1161-1167.	4.1	49
21	Epigenetic Basis for Fetal Origins of Age-Related Disease. Journal of Women's Health, 2010, 19, 581-587.	3.3	46
22	Hypofractionated Whole-Breast Radiation Therapy: Does Breast Size Matter?. International Journal of Radiation Oncology Biology Physics, 2012, 84, 894-901.	0.8	42
23	Late-replicating heterochromatin is characterized by decreased cytosine methylation in the human genome. Genome Research, 2011, 21, 1833-1840.	5.5	38
24	Radiotherapy and the Tumor Microenvironment: Mutual Influence and Clinical Implications. Advances in Experimental Medicine and Biology, 2014, 772, 147-165.	1.6	38
25	Population-level distribution and putative immunogenicity of cancer neoepitopes. BMC Cancer, 2018, 18, 414.	2.6	32
26	Using Artificial Intelligence to Improve the Quality and Safety of Radiation Therapy. Journal of the American College of Radiology, 2019, 16, 1267-1272.	1.8	31
27	Pencil-beam scanning proton therapy for anal cancer: a dosimetric comparison with intensity-modulated radiotherapy. Acta Oncológica, 2015, 54, 1209-1217.	1.8	30
28	Quality of Life of Postoperative Photon versus Proton Radiation Therapy for Oropharynx Cancer. International Journal of Particle Therapy, 2018, 5, 11-17.	1.8	29
29	Validity of Veterans Health Administration structured data to determine accurate smoking status. Health Informatics Journal, 2020, 26, 1507-1515.	2.1	27
30	Artificial Intelligence in Radiation Oncology. Hematology/Oncology Clinics of North America, 2019, 33, 1095-1104.	2.2	23
31	<tt>neoepiscope</tt>improves neoepitope prediction with multivariant phasing. Bioinformatics, 2020, 36, 713-720.	4.1	23
32	Radiomic biomarkers of tumor immune biology and immunotherapy response. Clinical and Translational Radiation Oncology, 2021, 28, 97-115.	1.7	22
33	An omic and multidimensional spatial atlas from serial biopsies of an evolving metastatic breast cancer. Cell Reports Medicine, 2022, 3, 100525.	6.5	22
34	Enhancing Career Paths for Tomorrow's Radiation Oncologists. International Journal of Radiation Oncology Biology Physics, 2019, 105, 52-63.	0.8	20
35	Artificial Intelligence in Radiation Oncology Imaging. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1159-1161.	0.8	19
36	Experimental approaches to the study of epigenomic dysregulation in ageing. Experimental Gerontology, 2010, 45, 255-268.	2.8	18

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37	Maternal gametic transmission of translocations or inversions of human chromosome 11p15.5 results in regional DNA hypermethylation and downregulation of CDKN1C expression. Genomics, 2012, 99, 25-35.	2.9	18
38	Clinical Documentation and Patient Care Using Artificial Intelligence in Radiation Oncology. Journal of the American College of Radiology, 2019, 16, 1343-1346.	1.8	16
39	National Cancer Institute Workshop on Artificial Intelligence in Radiation Oncology: Training the Next Generation. Practical Radiation Oncology, 2021, 11, 74-83.	2.1	16
40	The Future of Artificial Intelligence in Radiation Oncology. International Journal of Radiation Oncology Biology Physics, 2018, 102, 247-248.	0.8	13
41	Putatively cancer-specific exon–exon junctions are shared across patients and present in developmental and other non-cancer cells. NAR Cancer, 2020, 2, zcaa001.	3.1	12
42	Human methylome variation across Infinium 450K data on the Gene Expression Omnibus. NAR Genomics and Bioinformatics, 2021, 3, lqab025.	3.2	12
43	DNA methylation changes in murine breast adenocarcinomas allow the identification of candidate genes for human breast carcinogenesis. Mammalian Genome, 2011, 22, 249-259.	2.2	11
44	Dose to the Developing Dentition During Therapeutic Irradiation: Organ at Risk Determination and Clinical Implications. International Journal of Radiation Oncology Biology Physics, 2013, 86, 108-113.	0.8	9
45	Thromboembolic risk in patients with lung cancer receiving systemic therapy. British Journal of Haematology, 2021, 194, 179-190.	2.5	9
46	Increased Global Gene Promoter Methylation after Relapse (Rel) of Acute Promyelocytic Leukemia (APL) from All-trans Retinoic Acid (ATRA)-Containing Treatment Is Dissociated from Concurrent Gene Expression Changes.. Blood, 2007, 110, 2121-2121.	1.4	9
47	Stereotactic body proton therapy for liver tumors: Dosimetric advantages and their radiobiological and clinical implications. Physics and Imaging in Radiation Oncology, 2018, 8, 17-22.	2.9	8
48	pepsickle rapidly and accurately predicts proteasomal cleavage sites for improved neoantigen identification. Bioinformatics, 2021, 37, 3723-3733.	4.1	6
49	GTPase Rho Is Involved in Myosin-II-Mediated Contraction of Pseudo-Contractile Rings and Transport of Vesicles in Extracts of Clam Oocytes. Biological Bulletin, 2002, 203, 208-210.	1.8	4
50	A Resident's Perspective on Global Health Rotations in Radiation Oncology. International Journal of Radiation Oncology Biology Physics, 2015, 93, 1165-1166.	0.8	4
51	Tumor Mutation Burden–From Doubts to Concerns. JAMA Oncology, 2019, 5, 1808.	7.1	4
52	MDS Marrow Stroma Is Characterized by Distinct Epigenetic Alterations. Blood, 2008, 112, 3635-3635.	1.4	4
53	Minimal observed impact of <scp>HLA</scp> genotype on hospitalization and severity of <scp>SARS–CoV</scp>–2 infection. Hla, 2022, 99, 607-613.	0.6	4
54	Meeting the Challenge of Scientific Dissemination in the Era of COVID-19: Toward a Modular Approach to Knowledge-Sharing for Radiation Oncology. International Journal of Radiation Oncology Biology Physics, 2020, 108, 496-505.	0.8	3

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55	Urine DNA for monitoring chemoradiotherapy response in muscle–invasive bladder cancer: a pilot study. BJU International, 2021, , .	2.5	3
56	Epigenetic Dysregulation of Candidate Cis-Regulatory Sequences in Hematological Malignancies.. Blood, 2006, 108, 2229-2229.	1.4	3
57	The Potential and Pitfalls of Crowdsourced Algorithm Development in Radiation Oncology. JAMA Oncology, 2019, 5, 662.	7.1	2
58	In Regard to Wallner etÂal. International Journal of Radiation Oncology Biology Physics, 2020, 106, 217-218.	0.8	2
59	Utility of the Current Procedural Terminology Codes for Prophylactic Stabilization for Defining Metastatic Femur Disease. Journal of the American Academy of Orthopaedic Surgeons Global Research and Reviews, 2020, 4, e20.00167.	0.7	1
60	Marking the 50th anniversary of a seminal paper in rheumatology: did Baruj Benacerraf and Hugh McDevitt get it right?. Annals of the Rheumatic Diseases, 2022, 81, 618-621.	0.9	1
61	Ca2+ Effects on Myosin-II-Mediated Contraction of Pseudo-Contractile Rings and Transport of Vesicles in Extracts of Clam Oocytes. Biological Bulletin, 2002, 203, 206-208.	1.8	0
62	600: Abnormal intrauterine growth induces global epigenetic changes in human stem cells. American Journal of Obstetrics and Gynecology, 2008, 199, S173.	1.3	0
63	183: Head and Neck Radiotherapy (RT) Patterns of Practice Variability Identified as a Challenge to Real-World Big Data: Recommendations from the Learning from Analysis of Multicentre Big Data Aggregation (Lambda) Consortium. Radiotherapy and Oncology, 2020, 150, S78-S79.	0.6	0
64	Real-world applications of deep convolutional neural networks in diagnostic cancer imaging. Chinese Clinical Oncology, 2020, 9, 82-82.	1.2	0
65	Impact of the VA opioid safety initiative on pain management for cancer patients.. Journal of Clinical Oncology, 2021, 39, 102-102.	1.6	0
66	Lack of Increased Gene Promoter Methylation at Relapse in Acute Promyelocytic Leukemia (APL).. Blood, 2006, 108, 4315-4315.	1.4	0
67	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
68	Impacts of an Opioid Safety Initiative on United States Veterans Undergoing Cancer Treatment. Journal of the National Cancer Institute, 2022, , .	6.3	0