

Michael Barton

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,497
citations

257101

24
h-index

189595

50
g-index

51
all docs

51
docs citations

51
times ranked

4015
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of radiotherapy in cancer treatment. <i>Cancer</i> , 2005, 104, 1129-1137.	2.0	1,279
2	The effect of treatment duration in the local control of cervix cancer. <i>Radiotherapy and Oncology</i> , 1992, 25, 273-279.	0.3	347
3	The Australian Magnetic Resonance Imaging Linac Program. <i>Seminars in Radiation Oncology</i> , 2014, 24, 203-206.	1.0	299
4	The optimal utilization proportion of external beam radiotherapy in European countries: An ESTRO-HERO analysis. <i>Radiotherapy and Oncology</i> , 2015, 116, 38-44.	0.3	131
5	How many new cancer patients in Europe will require radiotherapy by 2025? An ESTRO-HERO analysis. <i>Radiotherapy and Oncology</i> , 2016, 119, 5-11.	0.3	122
6	An international review of patient safety measures in radiotherapy practice. <i>Radiotherapy and Oncology</i> , 2009, 92, 15-21.	0.3	113
7	A model for decision making for the use of radiotherapy in lung cancer. <i>Lancet Oncology</i> , The, 2003, 4, 120-128.	5.1	101
8	The impact of cancer incidence and stage on optimal utilization of radiotherapy: Methodology of a population based analysis by the ESTRO-HERO project. <i>Radiotherapy and Oncology</i> , 2015, 116, 45-50.	0.3	94
9	Global Access to Radiotherapy Services: Have We Made Progress During the Past Decade?. <i>Journal of Global Oncology</i> , 2016, 2, 207-215.	0.5	85
10	Estimation of an optimal radiotherapy utilization rate for breast carcinoma. <i>Cancer</i> , 2003, 98, 1977-1986.	2.0	79
11	Tables of equivalent dose in 2 gy fractions: A simple application of the linear quadratic formula. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995, 31, 371-378.	0.4	75
12	Global demand for cancer surgery and an estimate of the optimal surgical and anaesthesia workforce between 2018 and 2040: a population-based modelling study. <i>Lancet Oncology</i> , The, 2021, 22, 182-189.	5.1	47
13	Estimation of an optimal radiotherapy utilization rate for gynecologic carcinoma. <i>Cancer</i> , 2004, 101, 671-681.	2.0	45
14	The effect of travel distance on radiotherapy utilization in NSW and ACT. <i>Radiotherapy and Oncology</i> , 2015, 117, 386-389.	0.3	42
15	Estimation of an optimal radiotherapy utilization rate for melanoma. <i>Cancer</i> , 2004, 100, 1293-1301.	2.0	40
16	Estimating the optimal external-beam radiotherapy utilization rate for genitourinary malignancies. <i>Cancer</i> , 2005, 103, 462-473.	2.0	38
17	Estimation of an optimal external beam radiotherapy utilization rate for head and neck carcinoma. <i>Cancer</i> , 2005, 103, 2216-2227.	2.0	38
18	Estimation of an optimal radiotherapy utilization rate for gynecologic carcinoma. <i>Cancer</i> , 2004, 101, 682-692.	2.0	34

#	ARTICLE	IF	CITATIONS
19	Estimating the optimal utilization rates of radiotherapy for hematologic malignancies from a review of the evidence. <i>Cancer</i> , 2005, 103, 393-401.	2.0	33
20	Cancer control in the Pacific: big challenges facing small island states. <i>Lancet Oncology</i> , The, 2019, 20, e475-e492.	5.1	31
21	Estimation of an optimal radiotherapy utilization rate for gastrointestinal carcinoma. <i>Cancer</i> , 2004, 101, 657-670.	2.0	27
22	Optimal radiotherapy utilisation rate in developing countries: An IAEA study. <i>Radiotherapy and Oncology</i> , 2015, 116, 35-37.	0.3	27
23	An MRI-compatible patient rotation system " design, construction, and first organ deformation results. <i>Medical Physics</i> , 2017, 44, 581-588.	1.6	26
24	Radiotherapy utilization in New South Wales from 1996 to 1998. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2000, 44, 308-314.	0.6	25
25	Cancer control in the Caribbean island countries and territories: some progress but the journey continues. <i>Lancet Oncology</i> , The, 2019, 20, e503-e521.	5.1	25
26	Waiting times for radiotherapy—a survey of patients' attitudes. <i>Radiotherapy and Oncology</i> , 2004, 70, 283-289.	0.3	23
27	Multicentre dosimetry study of mantle treatment in Australia and New Zealand. <i>Radiotherapy and Oncology</i> , 1996, 40, 171-180.	0.3	21
28	Estimation of the optimal brachytherapy utilization rate in the treatment of carcinoma of the uterine cervix. <i>Cancer</i> , 2006, 107, 2932-2941.	2.0	20
29	Radiation therapy for early stage Hodgkin's disease: Australasian patterns of care. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995, 31, 227-236.	0.4	19
30	Impact of radiotherapy underutilisation measured by survival shortfall, years of potential life lost and disability-adjusted life years lost in New South Wales, Australia. <i>Radiotherapy and Oncology</i> , 2018, 129, 191-195.	0.3	17
31	Evaluating Curriculum Changes in Undergraduate Cancer Education. <i>Journal of Cancer Education</i> , 2004, 19, 156-160.	0.6	17
32	Radiotherapy underutilisation and its impact on local control and survival in New South Wales, Australia. <i>Radiotherapy and Oncology</i> , 2019, 141, 41-47.	0.3	16
33	Estimating the optimal utilization rates of radiotherapy for hematologic malignancies from a review of the evidence. <i>Cancer</i> , 2005, 103, 383-392.	2.0	15
34	Magnetic resonance imaging (MRI) guided proton therapy: A review of the clinical challenges, potential benefits and pathway to implementation. <i>Radiotherapy and Oncology</i> , 2022, 170, 37-47.	0.3	15
35	Optimal uptake rates for initial treatments for cervical cancer in concordance with guidelines in Australia and Canada: Results from two large cancer facilities. <i>Cancer Epidemiology</i> , 2015, 39, 600-611.	0.8	13
36	Estimating the optimal radiotherapy utilization for carcinoma of the central nervous system, thyroid carcinoma, and carcinoma of unknown primary origin from evidence-based clinical guidelines. <i>Cancer</i> , 2006, 106, 453-465.	2.0	12

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37	Establishing treatment benchmarks for mammography-screened breast cancer population based on a review of evidence-based clinical guidelines. <i>Cancer</i> , 2008, 112, 1912-1922.	2.0	11
38	Advances in Cancer Management: At What Cost to Medical Student Education?. <i>Journal of Cancer Education</i> , 2009, 24, 233-237.	0.6	11
39	Estimating the cost of radiotherapy for 5-year local control and overall survival benefit. <i>Radiotherapy and Oncology</i> , 2019, 136, 154-160.	0.3	11
40	Functional imaging equivalence and proof of concept for image-guided adaptive radiotherapy with fixed gantry and rotating couch. <i>Advances in Radiation Oncology</i> , 2016, 1, 365-372.	0.6	10
41	Patient reported outcomes of slow, single arc rotation: Do we need rotating gantries?. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018, 62, 553-561.	0.9	10
42	Variation in the use of radiotherapy fractionation for breast cancer: Survival outcome and cost implications. <i>Radiotherapy and Oncology</i> , 2020, 152, 70-77.	0.3	10
43	A "Catch Up" Plan for radiotherapy in New South Wales to 2012. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2009, 53, 419-430.	0.9	9
44	Evidence-based benchmarks for use of cancer surgery in high-income countries: a population-based analysis. <i>Lancet Oncology</i> , The, 2021, 22, 173-181.	5.1	8
45	Comparison of four methods for estimating actual radiotherapy utilisation using the 45 and Up Study cohort in New South Wales, Australia. <i>Radiotherapy and Oncology</i> , 2019, 131, 14-20.	0.3	7
46	Factors affecting radiotherapy utilisation in geriatric oncology patients in NSW, Australia. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , 2020, 16, 17-23.	0.6	6
47	Estimation of Optimal Brachytherapy Utilization Rate in the Treatment of Malignancies of the Uterine Corpus by a Review of Clinical Practice Guidelines and the Primary Evidence. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 72, 849-858.	0.4	5
48	Estimation of an Optimal Chemotherapy Utilisation Rate for Upper Gastrointestinal Cancers: Setting an Evidence-Based Benchmark for the Best-Quality Cancer Care. <i>Gastroenterology Research and Practice</i> , 2015, 2015, 1-10.	0.7	4
49	Development of an age- and comorbidity adjusted- optimal radiotherapy utilisation rate for women with breast cancer. <i>Journal of Geriatric Oncology</i> , 2022, 13, 844-849.	0.5	3
50	What do undergraduate doctors really need to know about radiation oncology?. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018, 62, 823-825.	0.9	1
51	Utilization of radiotherapy for rectal cancer in Greater Western Sydney 1994-2001. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2007, 3, 134-142.	0.7	0