

Manjit Dosanjh

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,892
citations

331670

21
h-index

254184

43
g-index

61
all docs

61
docs citations

61
times ranked

1698
citing authors

#	ARTICLE	IF	CITATIONS
1	Availability of technology for managing cancer patients in the Southeast European (SEE) region. <i>Clinical and Translational Radiation Oncology</i> , 2022, 34, 57-66.	1.7	1
2	South East European International Institute for Sustainable Technologies (SEEIIST). <i>Frontiers in Physics</i> , 2021, 8, .	2.1	6
3	Surveying the Challenges to Improve Linear Accelerator-based Radiation Therapy in Africa: a Unique Collaborative Platform of All 28 African Countries Offering Such Treatment. <i>Clinical Oncology</i> , 2021, 33, e521-e529.	1.4	15
4	Patients With Cancer in the Countries of South-East Europe (the Balkans) Region and Prospective of the Particle Therapy Center: South-East European International Institute for Sustainable Technologies (SEEIIST). <i>Advances in Radiation Oncology</i> , 2021, 6, 100772.	1.2	4
5	Arbitrarily large tomography with iterative algorithms on multiple GPUs using the TIGRE toolbox. <i>Journal of Parallel and Distributed Computing</i> , 2020, 146, 52-63.	4.1	19
6	Achieving flexible competence: bridging the investment dichotomy between infectious diseases and cancer. <i>BMJ Global Health</i> , 2020, 5, e003252.	4.7	4
7	Overcoming Challenges in Providing Radiation Therapy to Patients With Cancer in Nigeria and Experience in the National Hospital Abuja, Nigeria. <i>JCO Global Oncology</i> , 2020, 6, 1232-1236.	1.8	8
8	Abstract D066: A prospective study on chemotherapy-induced anemia using serial hemoglobin measurement in cancer patients undergoing treatment at National Hospital Abuja, Nigeria. , 2020, , .		0
9	Capturing Acquired Wisdom, Enabling Healthful Aging, and Building Multinational Partnerships Through Senior Global Health Mentorship. <i>Global Health, Science and Practice</i> , 2020, 8, 626-637.	1.7	2
10	Developing Innovative, Robust and Affordable Medical Linear Accelerators for Challenging Environments. <i>Clinical Oncology</i> , 2019, 31, 352-355.	1.4	11
11	Overview of research and therapy facilities for radiobiological experimental work in particle therapy. Report from the European Particle Therapy Network radiobiology group. <i>Radiotherapy and Oncology</i> , 2018, 128, 14-18.	0.6	21
12	Accurate, Precision Radiation Medicine: A Meta-Strategy for Impacting Cancer Care, Global Health, and Nuclear Policy and Mitigating Radiation Injury From Necessary Medical Use, Space Exploration, and Potential Terrorism. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 250-253.	0.8	13
13	ENLIGHT: European network for Light ion hadron therapy. <i>Radiotherapy and Oncology</i> , 2018, 128, 76-82.	0.6	23
14	Union of light ion therapy centers in Europe (ULICE EC FP7) â€œ Objectives and achievements of joint research activities. <i>Radiotherapy and Oncology</i> , 2018, 128, 83-100.	0.6	6
15	Role of Multidisciplinary Collaborative Network for Advancing Cancer Therapy. , 2018, , 107-113.		0
16	A general method for motion compensation in x-ray computed tomography. <i>Physics in Medicine and Biology</i> , 2017, 62, 6532-6549.	3.0	10
17	Effective Global Cancer Care Requires Radiation Therapy: Defining a Path From No Radiotherapy to Radiotherapy of High Quality Globally. <i>Journal of Global Oncology</i> , 2017, 3, 16s-16s.	0.5	0
18	Medical Applications at CERN and the ENLIGHT Network. <i>Frontiers in Oncology</i> , 2016, 6, 9.	2.8	6

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19	Monte Carlo Calculations Supporting Patient Plan Verification in Proton Therapy. <i>Frontiers in Oncology</i> , 2016, 6, 62.	2.8	7
20	TIGRE: a MATLAB-GPU toolbox for CBCT image reconstruction. <i>Biomedical Physics and Engineering Express</i> , 2016, 2, 055010.	1.2	170
21	An analytical model of tumour response to radiotherapy to investigate biological parameters of chordoma treated by X-rays, protons and carbon ions. <i>Physica Medica</i> , 2016, 32, 254.	0.7	0
22	Introduction to the ECâ€™s Marie Curie Initial Training Network Project: The European Training Network in Digital Medical Imaging for Radiotherapy (ENTERVISION). <i>Frontiers in Oncology</i> , 2015, 5, 265.	2.8	2
23	ENLIGHT and LEIR biomedical facility. <i>Physica Medica</i> , 2014, 30, 544-550.	0.7	5
24	Data-driven Markov models and their application in the evaluation of adverse events in radiotherapy. <i>Journal of Radiation Research</i> , 2013, 54, i49-i55.	1.6	6
25	A Monte Carlo-based treatment-planning tool for ion beam therapy. <i>Journal of Radiation Research</i> , 2013, 54, i77-i81.	1.6	40
26	Feasibility study for a biomedical experimental facility based on LEIR at CERN. <i>Journal of Radiation Research</i> , 2013, 54, i162-i167.	1.6	6
27	A possible biomedical facility at the European Organization for Nuclear Research (CERN). <i>British Journal of Radiology</i> , 2013, 86, 20120660.	2.2	15
28	Hadron therapy information sharing prototype. <i>Journal of Radiation Research</i> , 2013, 54, i56-i60.	1.6	1
29	Introduction to the EC's Marie Curie Initial Training Network (MC-ITN) project: Particle Training Network for European Radiotherapy (PARTNER). <i>Journal of Radiation Research</i> , 2013, 54, i1-i5.	1.6	6
30	Investigating the robustness of ion beam therapy treatment plans to uncertainties in biological treatment parameters. <i>Physics in Medicine and Biology</i> , 2012, 57, 7983-8004.	3.0	43
31	ENLIGHT. <i>Health Physics</i> , 2012, 103, 674-680.	0.5	6
32	A community call for a dedicated radiobiological research facility to support particle beam cancer therapy. <i>Radiotherapy and Oncology</i> , 2012, 105, 1-3.	0.6	28
33	Simulations of microdosimetric quantities with the Monte Carlo code FLUKA for carbon ions at therapeutic energies. <i>International Journal of Radiation Biology</i> , 2012, 88, 176-182.	1.8	14
34	Phase I/II trial evaluating carbon ion radiotherapy for the treatment of recurrent rectal cancer: the PANDORA-01 trial. <i>BMC Cancer</i> , 2012, 12, 137.	2.6	46
35	Connection of European particle therapy centers and generation of a common particle database system within the European ULICE-framework. <i>Radiation Oncology</i> , 2012, 7, 115.	2.7	11
36	FLUKA simulations of the response of tissue-equivalent proportional counters to ion beams for applications in hadron therapy and space. <i>Physics in Medicine and Biology</i> , 2011, 56, 6545-6561.	3.0	19

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37	ENLIGHT and other EU-funded projects in hadron therapy. British Journal of Radiology, 2010, 83, 811-813.	2.2	14
38	Benchmarking nuclear models of FLUKA and GEANT4 for carbon ion therapy. Physics in Medicine and Biology, 2010, 55, 5833-5847.	3.0	142
39	Development of Hadron Therapy for Cancer Treatment in Europe. AIP Conference Proceedings, 2008, , .	0.4	1
40	Development of a new photo-detector readout technique for PET and CT imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 571, 329-332.	1.6	5
41	Status of hadron therapy in Europe and the role of ENLIGHT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 571, 191-194.	1.6	17
42	MODULATION OF PROTO-ONCOGENE EXPRESSION BY POLYCHLORINATED BIPHENYLS IN 3T3-L1 CELL LINE. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1998, 55, 121-131.	2.3	10
43	Isolation and characterization of RAD51C, a new human member of the RAD51 family of related genes. Nucleic Acids Research, 1998, 26, 1179-1184.	14.5	152
44	Suppression of apoptosis by overexpression of Bcl-2 or Bcl-xL promotes survival and mutagenesis after oxidative damage. Biochimie, 1997, 79, 613-617.	2.6	52
45	Metabolism Of Benzo[<i>a</i>]Pyrene in Fish Hepatocytes Cultured on Microplates. Polycyclic Aromatic Compounds, 1996, 11, 91-98.	2.6	8
46	Synthesis and properties of oligonucleotides containing the mutagenic base O4-benzylthymidine. Bioorganic and Medicinal Chemistry, 1995, 3, 101-108.	3.0	9
47	All four known cyclic adducts formed in DNA by the vinyl chloride metabolite chloroacetaldehyde are released by a human DNA glycosylase.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 1024-1028.	7.1	148
48	Synthesis of a 25 base oligonucleotide containing a styrene oxide modification at the O6 position of 2'-deoxyguanosine at a defined site and incorporation studies of the similarly modified 2'-deoxy guanosine-5' -triphosphate. Carcinogenesis, 1994, 15, 1371-1375.	2.8	1
49	1,N6-Ethenoadenine Is Preferred over 3-Methyladenine as Substrate by a Cloned Human N-Methylpurine-DNA Glycosylase (3-Methyladenine-DNA Glycosylase). Biochemistry, 1994, 33, 1624-1628.	2.5	87
50	Evidence from in vitro replication that O6-methylguanine can adopt multiple conformations.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 3983-3987.	7.1	19
51	Both O4-methylthymine and O4-ethylthymine preferentially form alkyl T.G pairs that do not block in vitro replication in a defined sequence. Carcinogenesis, 1993, 14, 1915-1919.	2.8	29
52	Both purified human 1,N6-ethenoadenine-binding protein and purified human 3-methyladenine-DNA glycosylase act on 1,N6-ethenoadenine and 3-methyladenine.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 9386-9390.	7.1	106
53	Kinetics of extension of O6-methylguanine paired with cytosine or thymine in defined oligonucleotide sequences. Biochemistry, 1991, 30, 11595-11599.	2.5	73
54	The vinyl chloride DNA derivative N2,3-ethenoguanine produces G→A transitions in Escherichia coli.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 9974-9978.	7.1	130

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55	Comparative mutagenesis of O6-methylguanine and O4-methylthymine in Escherichia coli. Biochemistry, 1991, 30, 7027-7033.	2.5	64
56	Human cells contain protein specifically binding to a single 1,N6-ethenoadenine in a DNA fragment.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 6839-6842.	7.1	38
57	Comparative efficiency of forming m4T.cntdot.G versus m4T.cntdot.A base pairs at a unique site by use of Escherichia coli DNA polymerase I (Klenow fragment) and Drosophila melanogaster polymerase .alpha.-primase complex. Biochemistry, 1990, 29, 4698-4703.	2.5	42
58	Site-directed mutagenesis for quantitation of base-base interactions at defined sites. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1990, 233, 45-51.	1.0	45
59	Effect of 3' flanking neighbors on kinetics of pairing of dCTP or dTTP opposite O6-methylguanine in a defined primed oligonucleotide when Escherichia coli DNA polymerase I is used.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 8271-8274.	7.1	110
60	CANCER IN THE COUNTRIES OF THE SEE (BALKANS) REGION AND THE FUTURE PARTICLE THERAPY CENTER â€“ SEEIIST. , 0, , .		0