

Lydia Maigne

List of Publications by Year in descending order

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33
papers

1,118
citations

686830

13
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525886

27
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34
all docs

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docs citations

34
times ranked

1393
citing authors

#	ARTICLE	IF	CITATIONS
1	Track structure modeling in liquid water: A review of the Geant4-DNA very low energy extension of the Geant4 Monte Carlo simulation toolkit. <i>Physica Medica</i> , 2015, 31, 861-874.	0.4	373
2	A review of the use and potential of the GATE Monte Carlo simulation code for radiation therapy and dosimetry applications. <i>Medical Physics</i> , 2014, 41, 064301.	1.6	332
3	Medical Images Simulation, Storage, and Processing on the European DataGrid Testbed. <i>Journal of Grid Computing</i> , 2004, 2, 387-400.	2.5	46
4	PARALLELIZATION OF MONTE CARLO SIMULATIONS AND SUBMISSION TO A GRID ENVIRONMENT. <i>Parallel Processing Letters</i> , 2004, 14, 177-196.	0.4	41
5	Simulating radial dose of ion tracks in liquid water simulated with Geant4-DNA: A comparative study. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 333, 92-98.	0.6	38
6	PDB4DNA: Implementation of DNA geometry from the Protein Data Bank (PDB) description for Geant4-DNA Monte-Carlo simulations. <i>Computer Physics Communications</i> , 2015, 192, 282-288.	3.0	33
7	<i>In vivo</i> efficacy of melanoma internal radionuclide therapy with a ¹³¹ I-labelled melanin-targeting heteroarylcarboxamide molecule. <i>International Journal of Cancer</i> , 2013, 133, 1042-1053.	2.3	25
8	Technical Note: GATE ^{RT} : a GATE/Geant4 release for clinical applications in scanned ion beam therapy. <i>Medical Physics</i> , 2020, 47, 3675-3681.	1.6	25
9	Tetraspanin 8 (TSPAN 8) as a potential target for radio-immunotherapy of colorectal cancer. <i>Oncotarget</i> , 2017, 8, 22034-22047.	0.8	25
10	Pretargeted radioimmunotherapy and SPECT imaging of peritoneal carcinomatosis using bioorthogonal click chemistry: probe selection and first proof-of-concept. <i>Theranostics</i> , 2019, 9, 6706-6718.	4.6	23
11	Evaluation of GATE ^{RT} (GATE/Geant4) Monte Carlo simulation settings for proton pencil beam scanning quality assurance. <i>Medical Physics</i> , 2020, 47, 5817-5828.	1.6	19
12	Simulating the Impact of the Natural Radiation Background on Bacterial Systems: Implications for Very Low Radiation Biological Experiments. <i>PLoS ONE</i> , 2016, 11, e0166364.	1.1	18
13	[¹²³ I]ICF01012 melanoma imaging and [¹³¹ I]ICF01012 dosimetry allow adapted internal targeted radiotherapy in preclinical melanoma models. <i>European Journal of Dermatology</i> , 2015, 25, 29-35.	0.3	15
14	Theranostic Approach for Metastatic Pigmented Melanoma Using ICF15002, a Multimodal Radiotracer for Both PET Imaging and Targeted Radionuclide Therapy. <i>Neoplasia</i> , 2017, 19, 17-27.	2.3	14
15	Background study of absorbed dose in biological experiments at the Modane Underground Laboratory. <i>EPJ Web of Conferences</i> , 2016, 124, 00006.	0.1	12
16	Grid Technology for Biomedical Applications. <i>Lecture Notes in Computer Science</i> , 2005, , 204-218.	1.0	12
17	Implementation of an extended Fellegi-Sunter probabilistic record linkage method using the Jaro-Winkler string comparator. , 2014, , .		11
18	Coupling of Geant4-DNA physics models into the GATE Monte Carlo platform: Evaluation of radiation-induced damage for clinical and preclinical radiation therapy beams. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 353, 46-55.	0.6	10

#	ARTICLE	IF	CITATIONS
19	Radiation dosimetry of [131 I]ICF01012 in rabbits: Application to targeted radionuclide therapy for human melanoma treatment. Medical Physics, 2018, 45, 5251-5262.	1.6	7
20	Reducing the ionizing radiation background does not significantly affect the evolution of Escherichia coli populations over 500 generations. Scientific Reports, 2019, 9, 14891.	1.6	7
21	Innovative In Silico Approaches to Address Avian Flu Using Grid Technology. Infectious Disorders - Drug Targets, 2009, 9, 358-365.	0.4	7
22	Phase I study of [131I] ICF01012, a targeted radionuclide therapy, in metastatic melanoma: MELRIV-1 protocol. BMC Cancer, 2022, 22, 417.	1.1	5
23	Estimate of the Biological Dose in Hadrontherapy Using GATE. Cancers, 2022, 14, 1667.	1.7	4
24	New Advanced Technologies to Provide Decentralised and Secure Access to Medical Records: Case Studies in Oncology. Cancer Informatics, 2009, 7, CIN.S965.	0.9	3
25	Monte Carlo simulations of nanodosimetry and radiolytic species production for monoenergetic proton and electron beams: Benchmarking of GEANT4 and LPCHEM codes. Medical Physics, 2022, , .	1.6	3
26	Efficient simulations of iodine 131 SPECT scans using GATE. , 2009, , .		2
27	Development of a Metamodel for Medical Database Management on a Grid Network: Application to Health Watch and Epidemiology for Cancer and Perinatal Health. , 2012, , .		2
28	Performance Evaluation of Multithreaded Geant4 Simulations Using an Intel Xeon Phi Cluster. Scientific Programming, 2015, 2015, 1-10.	0.5	2
29	CPOP: An open source C++ cell POPulation modeler for radiation biology applications. Physica Medica, 2021, 89, 41-50.	0.4	2
30	Internal dosimetry of [99m Tc]NTP15 radiotracer for cartilage imaging in preclinical and clinical models using the GATE Monte Carlo platform. Medical Physics, 2021, 48, 477-487.	1.6	1
31	Grid-enabled sentinel network for cancer surveillance. Studies in Health Technology and Informatics, 2009, 147, 289-94.	0.2	1
32	Simulation Monte Carlo des dÃ©pÃ©ts de doses en radiothÃ©rapie curiethÃ©rapie et dÃ©ploiement sur grille de calcul. Radioprotection, 2007, 42, 43-64.	0.5	0
33	Global Initiative for Sentinel e-Health Network on Grid (GINSENG): Medical Data Integration and Semantic Developments for Epidemiology. , 2014, , .		0