Lydia Maigne

List of Publications by Year
in descending order

33 papers	1,118 citations	686830 13 h-index	525886 27 g-index
34 all docs	34 docs citations	34 times ranked	1393 citing authors

#	ARTICLE	IF	CITATIONS
1	Estimate of the Biological Dose in Hadrontherapy Using GATE. Cancers, 2022, 14, 1667.	1.7	4
2	Monte Carlo simulations of nanodosimetry and radiolytic species production for monoenergetic proton and electron beams: Benchmarking of GEANT4‑DNA and LPCHEM codes. Medical Physics, 2022, , .	1.6	3
3	Phase I study of [131I] ICF01012, a targeted radionuclide therapy, in metastatic melanoma: MELRIV-1 protocol. BMC Cancer, 2022, 22, 417.	1.1	5
4	Internal dosimetry of [99m Tc]NTP15‑5 radiotracer for cartilage imaging in preclinical and clinical models using the GATE Monte Carlo platform. Medical Physics, 2021, 48, 477-487.	1.6	1
5	CPOP: An open source C++ cell POPulation modeler for radiation biology applications. Physica Medica, 2021, 89, 41-50.	0.4	2
6	Evaluation of GATE‑RTion (GATE/Geant4) Monte Carlo simulation settings for proton pencil beam scanning quality assurance. Medical Physics, 2020, 47, 5817-5828.	1.6	19
7	Technical Note: GATE‑RTion: a GATE/Geant4 release for clinical applications in scanned ion beam therapy. Medical Physics, 2020, 47, 3675-3681.	1.6	25
8	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
9	Pretargeted radioimmunotherapy and SPECT imaging of peritoneal carcinomatosis using bioorthogonal click chemistry: probe selection and first proof-of-concept. Theranostics, 2019, 9, 6706-6718.	4.6	23
10	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
11	Theranostic Approach for Metastatic Pigmented Melanoma Using ICF15002, a Multimodal Radiotracer for Both PET Imaging and Targeted Radionuclide Therapy. Neoplasia, 2017, 19, 17-27.	2.3	14
12	Tetraspanin 8 (TSPAN 8) as a potential target for radio-immunotherapy of colorectal cancer. Oncotarget, 2017, 8, 22034-22047.	0.8	25
13	Background study of absorbed dose in biological experiments at the Modane Underground Laboratory. EPJ Web of Conferences, 2016, 124, 00006.	0.1	12
14	Simulating the Impact of the Natural Radiation Background on Bacterial Systems: Implications for Very Low Radiation Biological Experiments. PLoS ONE, 2016, 11, e0166364.	1.1	18
15	Performance Evaluation of Multithreaded Geant4 Simulations Using an Intel Xeon Phi Cluster. Scientific Programming, 2015, 2015, 1-10.	0.5	2
16	Track structure modeling in liquid water: A review of the Geant4-DNA very low energy extension of the Geant4 Monte Carlo simulation toolkit. Physica Medica, 2015, 31, 861-874.	0.4	373
17	Coupling of Geant4-DNA physics models into the GATE Monte Carlo platform: Evaluation of radiation-induced damage for clinical and preclinical radiation therapy beams. Nuclear Instruments & Methods in Physics Research B, 2015, 353, 46-55.	0.6	10
18	[123I]ICF01012 melanoma imaging and [131I]ICF01012 dosimetry allow adapted internal targeted radiotherapy in preclinical melanoma models. European Journal of Dermatology, 2015, 25, 29-35.	0.3	15

#	Article	IF	Citations
19	PDB4DNA: Implementation of DNA geometry from the Protein Data Bank (PDB) description for Geant4-DNA Monte-Carlo simulations. Computer Physics Communications, 2015, 192, 282-288.	3.0	33
20	Implementation of an extended Fellegi-Sunter probabilistic record linkage method using the Jaro-Winkler string comparator. , 2014, , .		11
21	Global Initiative for Sentinel e-Health Network on Grid (GINSENG): Medical Data Integration and Semantic Developments for Epidemiology. , 2014, , .		0
22	A review of the use and potential of the GATE Monte Carlo simulation code for radiation therapy and dosimetry applications. Medical Physics, 2014, 41, 064301.	1.6	332
23	Simulating radial dose of ion tracks in liquid water simulated with Geant4-DNA: A comparative study. Nuclear Instruments & Methods in Physics Research B, 2014, 333, 92-98.	0.6	38
24	*In vivo* efficacy of melanoma internal radionuclide therapy with a [131]I‐labelled melanin‐targeting heteroarylcarboxamide molecule. International Journal of Cancer, 2013, 133, 1042-1053.	2.3	25
25	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
26	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
27	Efficient simulations of iodine 131 SPECT scans using GATE. , 2009, , .		2
28	Innovative In Silico Approaches to Address Avian Flu Using Grid Technology. Infectious Disorders - Drug Targets, 2009, 9, 358-365.	0.4	7
29	Grid-enabled sentinel network for cancer surveillance. Studies in Health Technology and Informatics, 2009, 147, 289-94.	0.2	1
30	Simulation Monte Carlo des dépôts de doses en radiothérapie curiethérapie et déploiement sur grille de calcul. Radioprotection, 2007, 42, 43-64.	0.5	0
31	Grid Technology for Biomedical Applications. Lecture Notes in Computer Science, 2005, , 204-218.	1.0	12
32	PARALLELIZATION OF MONTE CARLO SIMULATIONS AND SUBMISSION TO A GRID ENVIRONMENT. Parallel Processing Letters, 2004, 14, 177-196.	0.4	41
33	Medical Images Simulation, Storage, and Processing on the European DataGrid Testbed. Journal of Grid Computing, 2004, 2, 387-400.	2.5	46