

# Benoit Ozell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5821166/publications.pdf>

Version: 2024-02-01

35  
papers

590  
citations

932766

10  
h-index

610482

24  
g-index

37  
all docs

37  
docs citations

37  
times ranked

493  
citing authors

#	ARTICLE	IF	CITATIONS
1	<scp>GPUMCD</scp>: A new GPU-oriented Monte Carlo dose calculation platform. Medical Physics, 2011, 38, 754-764.	1.6	181
2	Fast dose calculation in magnetic fields with<tt>GPUMCD</tt>. Physics in Medicine and Biology, 2011, 56, 5119-5129.	1.6	92
3	Airflow modelling in a computer room. Building and Environment, 2004, 39, 1393-1402.	3.0	87
4	Fast convolution-superposition dose calculation on graphics hardware. Medical Physics, 2009, 36, 1998-2005.	1.6	49
5	A convolution-superposition dose calculation engine for GPUs. Medical Physics, 2010, 37, 1029-1037.	1.6	33
6	Sub-second high dose rate brachytherapy Monte Carlo dose calculations with<b><tt>GPUMCD</tt></b>. Medical Physics, 2012, 39, 4559-4567.	1.6	20
7	Analysis and visualization tools in CFD, part I: A configurable data extraction environment. Finite Elements in Analysis and Design, 1995, 19, 295-307.	1.7	16
8	Validation of GPUMCD for low-energy brachytherapy seed dosimetry. Medical Physics, 2011, 38, 4101-4107.	1.6	16
9	Fast GPU-based Monte Carlo simulations for LDR prostate brachytherapy. Physics in Medicine and Biology, 2015, 60, 4973-4986.	1.6	15
10	On the use of JAVA and RMI in the development of a computer framework for MDO. , 2000, , .		11
11	Automatic Semantic Web Annotation of Named Entities. Lecture Notes in Computer Science, 2011, , 74-85.	1.0	11
12	Virtual reality simulator for scoliosis surgery training: Transatlantic collaborative tests. , 2008, , .		10
13	A study of potential numerical pitfalls in GPU-based Monte Carlo dose calculation. Physics in Medicine and Biology, 2015, 60, 5007-5018.	1.6	9
14	<tt>GPUMCD</tt>: an efficient GPU-based Monte Carlo code for accurate proton dose calculations. Physics in Medicine and Biology, 2019, 64, 085018.	1.6	6
15	Wolverine: A Distributed Scene-Graph Library. Presence: Teleoperators and Virtual Environments, 2005, 14, 20-30.	0.3	5
16	Adjusting stereoscopic parameters by evaluating the point of regard in a virtual environment. Computers and Graphics, 2017, 69, 24-35.	1.4	4
17	Real-time visual and physical cutting of a meshless model deformed on a background grid. Computer Animation and Virtual Worlds, 2020, 31, e1929.	0.7	4
18	CFD and realistic visualization for the analysis of fire scenarios. , 2004, , .		3

#	ARTICLE	IF	CITATIONS
19	Analysis and visualization tools in CFD, part II: A case study in grid adaptivity. Finite Elements in Analysis and Design, 1995, 19, 309-324.	1.7	2
20	Efficiency improvement in proton dose calculations with an equivalent restricted stopping power formalism. Physics in Medicine and Biology, 2018, 63, 015019.	1.6	2
21	TH-D-BRD-02: Convolution-Superposition Dose Calculations with GPUs. Medical Physics, 2009, 36, 2807-2807.	1.6	2
22	Corotated meshless implicit dynamics for deformable bodies. , 0, , .		2
23	An Object-Oriented Application Framework for Distributed Engineering Analysis and Optimization. , 2003, , 243-255.		2
24	Towards Web Standards-Based MDA and MDO. , 2007, , .		1
25	GPU-friendly data structures for real time simulation. Advanced Modeling and Simulation in Engineering Sciences, 2021, 8, 7.	0.7	1
26	Dynamic Cutting of a Meshless Model for Interactive Surgery Simulation. Lecture Notes in Computer Science, 2020, , 114-130.	1.0	1
27	Fast Dose Calculations in Radiation Therapy with GPUs. IFMBE Proceedings, 2009, , 429-432.	0.2	1
28	SU-FF-T-622: Fast GPU-Based Raytracing Dose Calculations for Brachytherapy in Heterogeneous Media. Medical Physics, 2009, 36, 2668-2668.	1.6	1
29	A configurable visualization environment. , 1996, , .		1
30	Improving Communication Using 3D Animation. Lecture Notes in Computer Science, 2010, , 410-419.	1.0	1
31	Data representation - Towards standards in CFD. , 2001, , .		0
32	ACCELERATION OF A PENCIL-BEAM DOSE CALCULATION ALGORITHM WITH GRAPHICS PROCESSING UNITS. Radiotherapy and Oncology, 2009, 92, S70.	0.3	0
33	A Visualistic Approach in Aerodynamics. , 2002, , .		0
34	A Web-Based Distribution Protocol for Large Scale Analysis and Optimization Applications. , 2003, , 257-270.		0
35	TU-E-BRB-04: Fast Monte Carlo Calculations in Magnetic Fields with GPUMCD for the MRI-Linac. Medical Physics, 2011, 38, 3767-3767.	1.6	0