

# Jeremy Brown

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2159222/publications.pdf>

Version: 2024-02-01

12  
papers

847  
citations

1162367

8  
h-index

1473754

9  
g-index

12  
all docs

12  
docs citations

12  
times ranked

771  
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	Geant4â€DNA example applications for track structure simulations in liquid water: A report from the Geant4â€DNA Project. <i>Medical Physics</i> , 2018, 45, e722.	1.6	265
3	Report on G4â€Med, a Geant4 benchmarking system for medical physics applications developed by the Geant4 Medical Simulation Benchmarking Group. <i>Medical Physics</i> , 2021, 48, 19-56.	1.6	92
4	A New Standard DNA Damage (SDD) Data Format. <i>Radiation Research</i> , 2018, 191, 76.	0.7	49
5	Progress of Geant4 electromagnetic physics developments and applications. <i>EPJ Web of Conferences</i> , 2019, 214, 02046.	0.1	15
6	Progress in Geant4 Electromagnetic Physics Modelling and Validation. <i>Journal of Physics: Conference Series</i> , 2015, 664, 072021.	0.3	13
7	Recent progress of GEANT4 electromagnetic physics for LHC and other applications. <i>Journal of Physics: Conference Series</i> , 2017, 898, 042032.	0.3	11
8	A High Count-Rate and Depth-of-Interaction Resolving Single-Layered One-Side Readout Pixelated Scintillator Crystal Array for PET Applications. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 361-370.	2.7	8
9	Geant4 electromagnetic physics: improving simulation performance and accuracy. , 2014, , .		8
10	Development of an energy discriminate CR-39Â® nuclear track etch dosimeter for Radon-220 gas measurements. <i>Journal of Environmental Radioactivity</i> , 2011, 102, 901-905.	0.9	7
11	MULECS: The Monash University Low Energy Compton scattering package. , 2011, , .		5
12	GPU acceleration of compton reconstruction for the PEDRO. , 2010, , .		1