John Apostolakis

List of Publications by Year
in descending order

18	5,353	1162367	996533
papers	citations	8	15
		h-index	g-index

18	18	18	9436
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The path toward HEP High Performance Computing. Journal of Physics: Conference Series, 2014, 513, 052006.	0.3	2
2	A concurrent vector-based steering framework for particle transport. Journal of Physics: Conference Series, 2014, 523, 012004.	0.3	6
3	Vectorising the detector geometry to optimise particle transport. Journal of Physics: Conference Series, 2014, 513, 052038.	0.3	4
4	GEANT4-MT : bringing multi-threading into GEANT4 production. , 2014, , .		12
5	DagSolid: a new Geant4 solid class for fast simulation in polygon-mesh geometry. Physics in Medicine and Biology, 2013, 58, 4595-4609.	1.6	16
6	New software library of geometrical primitives for modeling of solids used in Monte Carlo detector simulations. Journal of Physics: Conference Series, 2012, 396, 052035.	0.3	8
7	Rethinking particle transport in the many-core era towards GEANT 5. Journal of Physics: Conference Series, 2012, 396, 022014.	0.3	7
8	Creating and Improving Multi-Threaded Geant4. Journal of Physics: Conference Series, 2012, 396, 052029.	0.3	6
9	Recent Improvements in Geant4 Electromagnetic Physics Models and Interfaces. Progress in Nuclear Science and Technology, 2011, 2, 898-903.	0.3	87
10	Multithreaded Geant4: Semi-automatic Transformation into Scalable Thread-Parallel Software. Lecture Notes in Computer Science, 2010, , 287-303.	1.0	18
11	Introducing improved voxel navigation and fictitious interaction tracking in GATE for enhanced efficiency. Physics in Medicine and Biology, 2009, 54, 2163-2178.	1.6	30
12	Progress in hadronic physics modelling in Geant4. Journal of Physics: Conference Series, 2009, 160, 012073.	0.3	26
13	Optimization of photon tracking in GATE. , 2008, , .		3
14	A technique for optimised navigation in regular geometries. , 2008, , .		3
15	An Overview of the Geant4 Toolkit. AIP Conference Proceedings, 2007, , .	0.3	9
16	Geant4 developments and applications. IEEE Transactions on Nuclear Science, 2006, 53, 270-278.	1.2	4,869
17	Investigation of the two-dimensional O(3) model using the overrelaxation algorithm. Physical Review D, 1991, 43, 2687-2693.	1.6	31
18	Phase Transition in the 2D ÂXY Model. Physical Review Letters, 1988, 61, 1996-1999.	2.9	216