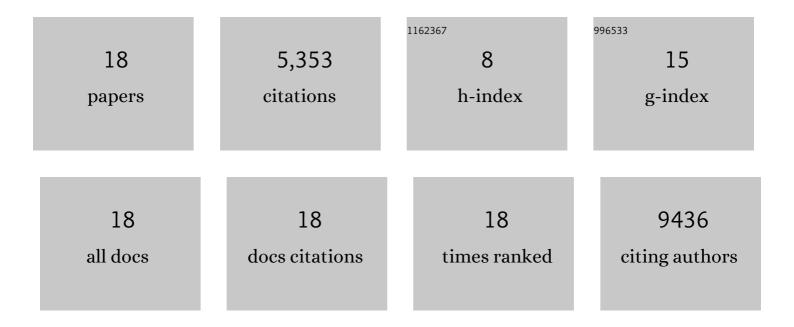
John Apostolakis

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Geant4 developments and applications. IEEE Transactions on Nuclear Science, 2006, 53, 270-278. | 1.2 | 4,869 |
| 2 | Phase Transition in the2DÂXYModel. Physical Review Letters, 1988, 61, 1996-1999. | 2.9 | 216 |
| 3 | Recent Improvements in Geant4 Electromagnetic Physics Models and Interfaces. Progress in Nuclear Science and Technology, 2011, 2, 898-903. | 0.3 | 87 |
| 4 | Investigation of the two-dimensional O(3) model using the overrelaxation algorithm. Physical Review D, 1991, 43, 2687-2693. | 1.6 | 31 |
| 5 | 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 |
| 6 | Progress in hadronic physics modelling in Geant4. Journal of Physics: Conference Series, 2009, 160, 012073. | 0.3 | 26 |
| 7 | Multithreaded Geant4: Semi-automatic Transformation into Scalable Thread-Parallel Software. Lecture Notes in Computer Science, 2010, , 287-303. | 1.0 | 18 |
| 8 | 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 |
| 9 | CEANT4-MT : bringing multi-threading into CEANT4 production. , 2014, , . | | 12 |
| 10 | An Overview of the Geant4 Toolkit. AIP Conference Proceedings, 2007, , . | 0.3 | 9 |
| 11 | 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 |
| 12 | Rethinking particle transport in the many-core era towards GEANT 5. Journal of Physics: Conference Series, 2012, 396, 022014. | 0.3 | 7 |
| 13 | Creating and Improving Multi-Threaded Geant4. Journal of Physics: Conference Series, 2012, 396, 052029. | 0.3 | 6 |
| 14 | A concurrent vector-based steering framework for particle transport. Journal of Physics: Conference Series, 2014, 523, 012004. | 0.3 | 6 |
| 15 | Vectorising the detector geometry to optimise particle transport. Journal of Physics: Conference Series, 2014, 513, 052038. | 0.3 | 4 |
| 16 | Optimization of photon tracking in GATE. , 2008, , . | | 3 |
| 17 | A technique for optimised navigation in regular geometries. , 2008, , . | | 3 |
| 18 | The path toward HEP High Performance Computing. Journal of Physics: Conference Series, 2014, 513, 052006. | 0.3 | 2 |