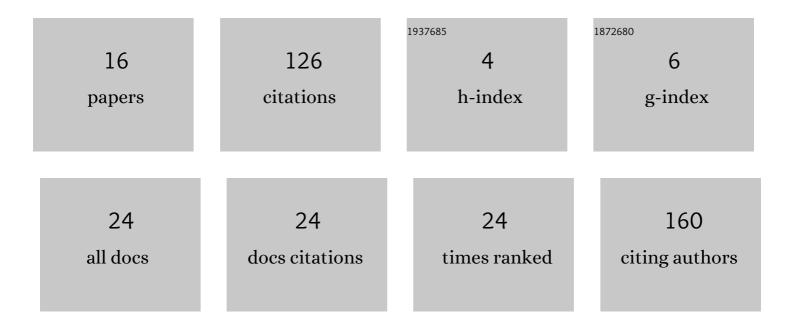
## Sri Hari Krishna Narayanan

List of Publications by Year in descending order

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | ADIC2: Development of a component source transformation system for differentiating C and C++.<br>Procedia Computer Science, 2010, 1, 1845-1853.   | 2.0 | 19        |
| 2  | Generating Performance Bounds from Source Code. , 2010, , .   |     | 18        |
| 3  | Performance of automatic differentiation tools in the dynamic simulation of multibody systems.<br>Advances in Engineering Software, 2014, 73, 35-44.  | 3.8 | 18        |
| 4  | Reverse-mode automatic differentiation and optimization of GPU kernels via enzyme. , 2021, , .  |     | 16        |
| 5  | Exascale workload characterization and architecture implications. , 2013, , .   |     | 15        |
| 6  | An optimized treatment for algorithmic differentiation of an important glaciological fixed-point problem. Geoscientific Model Development, 2016, 9, 1891-1904.                                    | 3.6 | 14        |
| 7  | Automatic Differentiation for Adjoint Stencil Loops. , 2019, , .  |     | 9         |
| 8  | Bathymetric Influences on Antarctic Iceâ€ <b>5</b> helf Melt Rates. Journal of Geophysical Research: Oceans,<br>2020, 125, .  | 2.6 | 7         |
| 9  | Vector Forward Mode Automatic Differentiation on SIMD/SIMT architectures. , 2020, , .   |     | 3         |
| 10 | SICOPOLIS-AD v1: an open-source adjoint modeling framework for ice sheet simulation enabled by the algorithmic differentiation tool OpenAD. Geoscientific Model Development, 2020, 13, 1845-1864. | 3.6 | 2         |
| 11 | Checkpointing Approaches for the Computation of Adjoints Covering Resilience Issues. , 2020, , 22-31.   |     | 2         |
| 12 | Sparse Jacobian Computation Using ADIC2 and ColPack. Procedia Computer Science, 2011, 4, 2115-2123.   | 2.0 | 1         |
| 13 | Study of the numerical efficiency of structured abs-normal forms. Optimization Methods and Software, 2021, 36, 909-933.   | 2.4 | 1         |
| 14 | Efficient computation of derivatives for solving optimization problems in R and Python using SWIG-generated interfaces to ADOL-C. Optimization Methods and Software, 2018, 33, 1173-1191.         | 2.4 | 0         |
| 15 | A Mixed Approach to Adjoint Computation with Algorithmic Differentiation. IFIP Advances in Information and Communication Technology, 2016, , 331-340.   | 0.7 | 0         |
| 16 | Verifying Properties of Differentiable Programs. Lecture Notes in Computer Science, 2018, , 205-222.  | 1.3 | 0         |