Sri Hari Krishna Narayanan

List of Publications by Year
in descending order

16 papers	126 citations	1937685 4 h-index	1872680 6 g-index
24 all docs	24 docs citations	24 times ranked	160 citing authors

#	Article	IF	Citations
1	ADIC2: Development of a component source transformation system for differentiating C and C++. 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. 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 Ice†Shelf Melt Rates. Journal of Geophysical Research: Oceans, 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