

# Jan HÃ¼ckelheim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8846618/publications.pdf>

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15  
papers

81  
citations

2258059

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h-index

2550090

3  
g-index

16  
all docs

16  
docs citations

16  
times ranked

55  
citing authors

#	ARTICLE	IF	CITATIONS
1	Source-to-Source Automatic Differentiation of OpenMP Parallel Loops. ACM Transactions on Mathematical Software, 2022, 48, 1-32.	2.9	4
2	Error Estimation and Correction Using the Forward CENA Method. Lecture Notes in Computer Science, 2021, , 765-778.	1.3	0
3	Spray: Sparse Reductions of Arrays in OPENMP. , 2021, , .		3
4	Reverse-mode automatic differentiation and optimization of GPU kernels via enzyme. , 2021, , .		16
5	Vector Forward Mode Automatic Differentiation on SIMD/SIMT architectures. , 2020, , .		3
6	Training on the Edge: The why and the how. , 2019, , .		19
7	Automatic Differentiation for Adjoint Stencil Loops. , 2019, , .		9
8	Reverse-mode algorithmic differentiation of an OpenMP-parallel compressible flow solver. International Journal of High Performance Computing Applications, 2019, 33, 140-154.	3.7	7
9	Parallelizable adjoint stencil computations using transposed forward-mode algorithmic differentiation. Optimization Methods and Software, 2018, 33, 672-693.	2.4	9
10	Vectorised Computation of Diverging Ensembles. , 2018, , .		1
11	Verifying Properties of Differentiable Programs. Lecture Notes in Computer Science, 2018, , 205-222.	1.3	0
12	Towards Self-Verification in Finite Difference Code Generation. , 2017, , .		1
13	Verifying the Floating-Point Computation Equivalence of Manually and Automatically Differentiated Code. , 2017, , .		3
14	Optimised finite difference computation from symbolic equations. , 2017, , .		6
15	Computation of the Tangent-Linear Solution for LCO-Converged Nonlinear Flows. , 2015, , .		0