

# Martin Almquist

## List of Publications by Year in descending order

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14  
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161  
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#	ARTICLE	IF	CITATIONS
1	Optimal diagonal-norm SBP operators. <i>Journal of Computational Physics</i> , 2014, 264, 91-111.	3.8	40
2	A solution to the stability issues with block norm summation by parts operators. <i>Journal of Computational Physics</i> , 2013, 253, 418-442.	3.8	31
3	Poroelastic effects destabilize mildly rate-strengthening friction to generate stable slow slip pulses. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 130, 262-279.	4.8	27
4	Order-Preserving Interpolation for Summation-by-Parts Operators at Nonconforming Grid Interfaces. <i>SIAM Journal of Scientific Computing</i> , 2019, 41, A1201-A1227.	2.8	18
5	Tsunami Wavefield Reconstruction and Forecasting Using the Ensemble Kalman Filter. <i>Geophysical Research Letters</i> , 2019, 46, 853-860.	4.0	17
6	High-fidelity numerical solution of the time-dependent Dirac equation. <i>Journal of Computational Physics</i> , 2014, 262, 86-103.	3.8	16
7	A high-order accurate embedded boundary method for first order hyperbolic equations. <i>Journal of Computational Physics</i> , 2017, 334, 255-279.	3.8	16
8	Non-stiff boundary and interface penalties for narrow-stencil finite difference approximations of the Laplacian on curvilinear multiblock grids. <i>Journal of Computational Physics</i> , 2020, 408, 109294.	3.8	12
9	Elastic wave propagation in anisotropic solids using energy-stable finite differences with weakly enforced boundary and interface conditions. <i>Journal of Computational Physics</i> , 2021, 424, 109842.	3.8	11
10	Boundary optimized diagonal-norm SBP operators. <i>Journal of Computational Physics</i> , 2018, 374, 1261-1266.	3.8	10
11	Atmospheric Sound Propagation Over Large-Scale Irregular Terrain. <i>Journal of Scientific Computing</i> , 2014, 61, 369-397.	2.3	9
12	Ultra and Very Long Period Seismic Signatures of Unsteady Eruptions Predicted From Conduit Flow Models. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	3
13	Acoustic-elastic waveform modeling and inversion using energy-stable summation-by-parts finite-difference operators. , 2021, , .		2
14	Realization of adiabatic Aharonov-Bohm scattering with neutrons. <i>Physical Review A</i> , 2015, 92, .	2.5	1