

Dominik Derigs

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

502
citations

1307594

7
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

467
citing authors

#	ARTICLE	IF	CITATIONS
1	The SILCC (Simulating the LifeCycle of molecular Clouds) project – II. Dynamical evolution of the supernova-driven ISM and the launching of outflows. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3432-3455.	4.4	166
2	The SILCC project – III. Regulation of star formation and outflows by stellar winds and supernovae. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1903-1924.	4.4	149
3	Ideal GLM-MHD: About the entropy consistent nine-wave magnetic field divergence diminishing ideal magnetohydrodynamics equations. Journal of Computational Physics, 2018, 364, 420-467.	3.8	54
4	A novel high-order, entropy stable, 3D AMR MHD solver with guaranteed positive pressure. Journal of Computational Physics, 2016, 317, 223-256.	3.8	36
5	A uniquely defined entropy stable matrix dissipation operator for high Mach number ideal MHD and compressible Euler simulations. Journal of Computational Physics, 2017, 332, 274-289.	3.8	36
6	An entropy stable nodal discontinuous Galerkin method for the resistive MHD equations. Part I: Theory and numerical verification. Journal of Computational Physics, 2020, 422, 108076.	3.8	30
7	A novel averaging technique for discrete entropy-stable dissipation operators for ideal MHD. Journal of Computational Physics, 2017, 330, 624-632.	3.8	26
8	Entropy Stable Finite Volume Approximations for Ideal Magnetohydrodynamics. Deutsche Mathematiker Vereinigung Jahresbericht, 2018, 120, 153-219.	1.1	4
9	Evolution of fluid flow and carbonate recrystallization rates in deep-sea sediments of the Equatorial Pacific. Geo-Marine Letters, 2022, 42, 1.	1.1	1
10	A novel high-contrast imaging technique based on optical tunneling to search for faint companions around bright stars at the limit of diffraction. , 2014, , .		0