

Natsuki Hosono

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

268
citations

1478505

6
h-index

1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation and performance of FDPS: a framework for developing parallel particle simulation codes. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	94
2	Terrestrial magma ocean origin of the Moon. Nature Geoscience, 2019, 12, 418-423.	12.9	56
3	Unconvergence of very-large-scale giant impact simulations. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	40
4	The giant impact simulations with density independent smoothed particle hydrodynamics. Icarus, 2016, 271, 131-157.	2.5	27
5	A COMPARISON OF SPH ARTIFICIAL VISCOSITIES AND THEIR IMPACT ON THE KEPLERIAN DISK. Astrophysical Journal, Supplement Series, 2016, 224, 32.	7.7	16
6	Density-Independent Smoothed Particle Hydrodynamics for a Non-Ideal Equation of State. Publication of the Astronomical Society of Japan, 2013, 65, .	2.5	14
7	FDPS. , 2015, , .		5
8	Can the Uranian Satellites Form from a Debris Disk Generated by a Giant Impact?. Astrophysical Journal, 2019, 885, 132.	4.5	4
9	N-body Simulations of the Ring Formation Process around the Dwarf Planet Haumea. Astrophysical Journal, 2020, 897, 21.	4.5	4
10	Particle Number Dependence of the N-body Simulations of Moon Formation. Astrophysical Journal, 2018, 856, 175.	4.5	3
11	The Influence of Equation of State on the Giant Impact Simulations. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	3
12	The Performance Prediction and Improvement of SPH with the Interaction-List-Sharing Method on PEZY-SCs. Lecture Notes in Computer Science, 2019, , 476-482.	1.3	1
13	Merging Criteria for Planetesimal Collisions. Astrophysical Journal, 2021, 921, 163.	4.5	1
14	Implementation of SPH and DEM for a PEZY-SC Heterogeneous Many-Core System. Mechanisms and Machine Science, 2020, , 709-715.	0.5	0
15	Numerical Simulation Study of Debris Particles Movement Characteristics by Smoothed Particle Hydrodynamics. Journal of Disaster Research, 2022, 17, 237-245.	0.7	0