Akira Harada

List of Publications by Year
in descending order

15 papers	349 citations	933447 10 h-index	1125743 13 g-index
15 all docs	15 docs citations	15 times ranked	175 citing authors

#	Article	IF	Citations
1	Simulations of Core-collapse Supernovae in Spatial Axisymmetry with Full Boltzmann Neutrino Transport. Astrophysical Journal, 2018, 854, 136.	4.5	88
2	Fast collective neutrino oscillations inside the neutrino sphere in core-collapse supernovae. Physical Review D, 2020, 101, .	4.7	75
3	On the Neutrino Distributions in Phase Space for the Rotating Core-collapse Supernova Simulated with a Boltzmann-neutrino-radiation-hydrodynamics Code. Astrophysical Journal, 2019, 872, 181.	4.5	34
4	Prospects of Fast Flavor Neutrino Conversion in Rotating Core-collapse Supernovae. Astrophysical Journal, 2022, 924, 109.	4.5	33
5	The Boltzmann-radiation-hydrodynamics Simulations of Core-collapse Supernovae with Different Equations of State: The Role of Nuclear Composition and the Behavior of Neutrinos. Astrophysical Journal, 2020, 902, 150.	4.5	26
6	Simulations of the Early Postbounce Phase of Core-collapse Supernovae in Three-dimensional Space with Full Boltzmann Neutrino Transport. Astrophysical Journal, 2020, 903, 82.	4.5	24
7	Observing Supernova Neutrino Light Curves with Super-Kamiokande. II. Impact of the Nuclear Equation of State. Astrophysical Journal, 2022, 925, 98.	4.5	15
8	Developing an end-to-end simulation framework of supernova neutrino detection. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	14
9	Structure formation in a mixed dark matter model with decaying sterile neutrino: the 3.5 keV X-ray line and the Galactic substructure. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 031-031.	5.4	13
10	Analytic solutions for neutrino-light curves of core-collapse supernovae. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	10
11	Multidimensional Boltzmann Neutrino Transport Code in Full General Relativity for Core-collapse Simulations. Astrophysical Journal, 2021, 909, 210.	4.5	9
12	Gravitational Wave Physics and Astronomy in the nascent era. Progress of Theoretical and Experimental Physics, 0, , .	6.6	3
13	Principal-axis Analysis of the Eddington Tensor for the Early Post-bounce Phase of Rotational Core-collapse Supernovae. Astrophysical Journal, 2022, 933, 91.	4.5	3
14	Deep Learning of the Eddington Tensor in Core-collapse Supernova Simulation. Astrophysical Journal, 2022, 925, 117.	4.5	2
15	Neutrino distributions for a rotating core-collapse supernova with a Boltzmann-neutrino-transport. Journal of Physics: Conference Series, 2020, 1468, 012098.	0.4	0