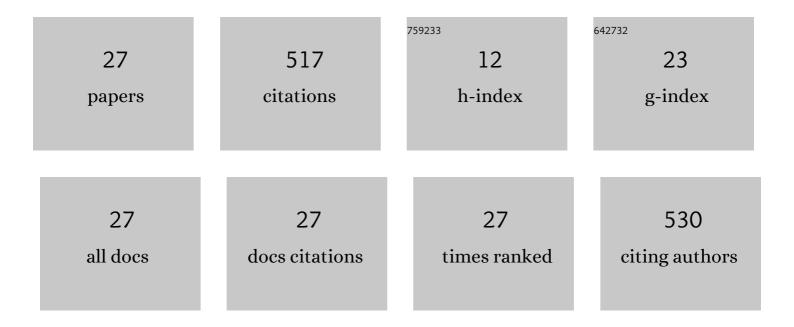
Hirotaka Ito

List of Publications by Year in descending order

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HIDOTAKA ITO

#	Article	IF	CITATIONS
1	A Semianalytic Afterglow with Thermal Electrons and Synchrotron Self-Compton Emission. Astrophysical Journal, 2022, 924, 40.	4.5	11
2	GRB Prompt Emission: Observed Correlations and Their Interpretations. Universe, 2022, 8, 310.	2.5	3
3	A Global Numerical Model of the Prompt Emission in Short Gamma-ray Bursts. Astrophysical Journal, 2021, 918, 59.	4.5	20
4	Monte Carlo simulations of relativistic radiation-mediated shocks: II. photon-starved regime. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1902-1913.	4.4	9
5	Monte Carlo simulations of fast Newtonian and mildly relativistic shock breakout from a stellar wind. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4961-4971.	4.4	10
6	The photospheric origin of the Yonetoku relation in gamma-ray bursts. Nature Communications, 2019, 10, 1504.	12.8	36
7	Synchrotron self-absorption in GRB afterglows: the effects of a thermal electron population. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4060-4068.	4.4	28
8	Monte Carlo simulations of relativistic radiation-mediated shocks – I. Photon-rich regime. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2828-2851.	4.4	25
9	Validation of radiative transfer computation with Monte Carlo method for ultra-relativistic background flow. Journal of Computational Physics, 2017, 348, 612-633.	3.8	1
10	Fossil Shell in 3C 84 as TeV Î ³ -Ray Emitter and Cosmic-Ray Accelerator. Astrophysical Journal, 2017, 843, 82.	4.5	6
11	Search for a Signature of Interaction between Relativistic Jet and Progenitor in Gamma-Ray Bursts. Astrophysical Journal, 2017, 849, 64.	4.5	2
12	The young radio lobe of 3C 84: inferred gas properties in the central 10Âpc. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2289-2294.	4.4	12
13	PHOTOSPHERIC EMISSION FROM COLLAPSAR JETS IN 3D RELATIVISTIC HYDRODYNAMICS. Astrophysical Journal Letters, 2015, 814, L29.	8.3	51
14	THE FATE OF DEAD RADIO-LOUD ACTIVE GALACTIC NUCLEI: A NEW PREDICTION OF LONG-LIVED SHELL EMISSION. Astrophysical Journal, 2015, 806, 241.	4.5	5
15	MATTER MIXING IN CORE-COLLAPSE SUPERNOVA EJECTA: LARGE DENSITY PERTURBATIONS IN THE PROGENITOR STAR?. Astrophysical Journal, 2015, 808, 164.	4.5	15
16	Identical algorithm of radiative transfer across ultrarelativistic shock in different inertial frames. High Energy Density Physics, 2015, 17, 85-91.	1.5	0
17	PARTICLE ACCELERATION IN SUPERLUMINAL STRONG WAVES. Astrophysical Journal, 2015, 805, 138.	4.5	4
18	SPECTRAL AND POLARIZATION PROPERTIES OF PHOTOSPHERIC EMISSION FROM STRATIFIED JETS. Astrophysical Journal, 2014, 789, 159.	4.5	31

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#	Article	IF	CITATIONS
19	Parallel computing of radiative transfer in relativistic jets using Monte Carlo method. High Energy Density Physics, 2013, 9, 280-287.	1.5	3
20	PHOTOSPHERIC EMISSION FROM STRATIFIED JETS. Astrophysical Journal, 2013, 777, 62.	4.5	39
21	MATTER MIXING IN ASPHERICAL CORE-COLLAPSE SUPERNOVAE: A SEARCH FOR POSSIBLE CONDITIONS FOR CONVEYING ⁵⁶ Ni INTO HIGH VELOCITY REGIONS. Astrophysical Journal, 2013, 773, 161.	4.5	26
22	NEW CLASS OF VERY HIGH ENERGY Î ³ -RAY EMITTERS: RADIO-DARK MINI SHELLS SURROUNDING ACTIVE GALACTIC NUCLEUS JETS. Astrophysical Journal, 2013, 764, 134.	4.5	10
23	EVOLUTION OF NON-THERMAL SHELL EMISSION ASSOCIATED WITH ACTIVE GALACTIC NUCLEUS JETS. Astrophysical Journal, 2011, 730, 120.	4.5	8
24	JET PROPAGATIONS, BREAKOUTS, AND PHOTOSPHERIC EMISSIONS IN COLLAPSING MASSIVE PROGENITORS OF LONG-DURATION GAMMA-RAY BURSTS. Astrophysical Journal, 2011, 731, 80.	4.5	101
25	NONTHERMAL EMISSIONS FROM SHOCKED SHELLS DRIVEN BY POWERFUL AGN JETS. International Journal of Modern Physics D, 2010, 19, 893-899.	2.1	0
26	The Estimate of Kinetic Power of Jets in FR II Radio Galaxies: Existence of Invisible Components?. Astrophysical Journal, 2008, 685, 828-838.	4.5	34
27	Extragalactic MeV Î ³ -ray emission from cocoons of young radio galaxies. Monthly Notices of the Royal Astronomical Society, 2007, 376, 1630-1634.	4.4	27