P Chris Fragile

List of Publications by Year
in descending order

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Version: 2024-02-01

61 papers	3,660 citations	126907 33 h-index	133252 59 g-index
61 all docs	61 docs citations	61 times ranked	2509 citing authors

#	Article	IF	Citations
1	Foundations of Black Hole Accretion Disk Theory. Living Reviews in Relativity, 2013, 16, 1.	26.7	419
2	Low-frequency quasi-periodic oscillations spectra and Lenseâ€“Thirring precession. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 397, L101-L105.	3.3	334
3	Global General Relativistic Magnetohydrodynamic Simulation of a Tilted Black Hole Accretion Disk. Astrophysical Journal, 2007, 668, 417-429.	4.5	290
4	THE SUBMILLIMETER BUMP IN Sgr A* FROM RELATIVISTIC MHD SIMULATIONS. Astrophysical Journal, 2010, 717, 1092-1104.	4.5	182
5	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. Astrophysical Journal, Supplement Series, 2019, 243, 26.	7.7	175
6	ACHANDRA/HETGS CENSUS OF X-RAY VARIABILITY FROM Sgr A* DURING 2012. Astrophysical Journal, 2013, 774, 42.	4.5	146
7	Radiative Shockâ€“induced Collapse of Intergalactic Clouds. Astrophysical Journal, 2004, 604, 74-87.	4.5	127
8	Cosmos++: Relativistic Magnetohydrodynamics on Unstructured Grids with Local Adaptive Refinement. Astrophysical Journal, 2005, 635, 723-740.	4.5	118
9	MILLIMETER FLARES AND VLBI VISIBILITIES FROM RELATIVISTIC SIMULATIONS OF MAGNETIZED ACCRETION ONTO THE GALACTIC CENTER BLACK HOLE. Astrophysical Journal, 2009, 703, L142-L146.	4.5	106
10	RADIO AND MILLIMETER MONITORING OF $mathrm{Sgr}$ A^{â€†}: SPECTRUM, VARIABILITY, AND CONSTRAINTS ON THE G2 ENCOUNTER. Astrophysical Journal, 2015, 802, 69.	4.5	99
11	Tilted black hole accretion disc models of Sagittarius A*: time-variable millimetre to near-infrared emission. Monthly Notices of the Royal Astronomical Society, 2013, 432, 2252-2272.	4.4	77
12	GENERAL RELATIVISTIC MAGNETOHYDRODYNAMIC SIMULATIONS OF THE HARD STATE AS A MAGNETICALLY DOMINATED ACCRETION FLOW. Astrophysical Journal, 2009, 693, 771-783.	4.5	74
13	Oscillation modes of relativistic slender tori. Monthly Notices of the Royal Astronomical Society, 2006, 369, 1235-1252.	4.4	71
14	General relativistic magnetohydrodynamic simulations of accretion on to Sgr A*: how important are radiative losses?. Monthly Notices of the Royal Astronomical Society, 2012, 426, 1928-1939.	4.4	70
15	NUMERICAL SIMULATIONS OF OPTICALLY THICK ACCRETION ONTO A BLACK HOLE. I. SPHERICAL CASE. Astrophysical Journal, Supplement Series, 2012, 201, 9.	7.7	69
16	EFFECTIVE INNER RADIUS OF TILTED BLACK HOLE ACCRETION DISKS. Astrophysical Journal, 2009, 706, L246-L250.	4.5	66
17	Magnetohydrodynamic Simulations of Shock Interactions with Radiative Clouds. Astrophysical Journal, 2005, 619, 327-339.	4.5	65
18	NUMERICAL SIMULATIONS OF OPTICALLY THICK ACCRETION ONTO A BLACK HOLE. II. ROTATING FLOW. Astrophysical Journal, 2014, 796, 22.	4.5	60

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19	Nonoscillatory Central Difference and Artificial Viscosity Schemes for Relativistic Hydrodynamics. Astrophysical Journal, Supplement Series, 2003, 144, 243-257.	7.7	58
20	OBSERVATIONAL SIGNATURES OF TILTED BLACK HOLE ACCRETION DISKS FROM SIMULATIONS. Astrophysical Journal, 2011, 730, 36.	4.5	58
21	Bardeenâ€Petterson Effect and Quasiâ€periodic Oscillations in Xâ€Ray Binaries. Astrophysical Journal, 2001, 553, 955-959.	4.5	57
22	APPLICATION OF THE CUBED-SPHERE GRID TO TILTED BLACK HOLE ACCRETION DISKS. Astrophysical Journal, 2009, 691, 482-494.	4.5	54
23	Epicyclic Motions and Standing Shocks in Numerically Simulated Tilted Black Hole Accretion Disks. Astrophysical Journal, 2008, 687, 757-766.	4.5	52
24	A loud quasi-periodic oscillation after a star is disrupted by a massive black hole. Science, 2019, 363, 531-534.	12.6	51
25	THREE-DIMENSIONAL MOVING-MESH SIMULATIONS OF GALACTIC CENTER CLOUD G2. Astrophysical Journal, 2012, 759, 132.	4.5	50
26	THE X-RAY FLUX DISTRIBUTION OF SAGITTARIUS A* AS SEEN BYCHANDRA. Astrophysical Journal, 2015, 799, 199.	4.5	47
27	The Polish doughnuts revisited. Astronomy and Astrophysics, 2009, 498, 471-477.	5.1	41
28	High-frequency and type-C QPOs from oscillating, precessing hot, thick flow. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1356-1362.	4.4	40
29	Lense-Thirring precession in ULXs as a possible means to constrain the neutron star equation of state. Monthly Notices of the Royal Astronomical Society, 2018, 475, 154-166.	4.4	40
30	Relativistic, Viscous, Radiation Hydrodynamic Simulations of Geometrically Thin Disks. I. Thermal and Other Instabilities. Astrophysical Journal, 2018, 857, 1.	4.5	39
31	Self-consistent spectra from radiative GRMHD simulations of accretion on to Sgr A*. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2872-2884.	4.4	37
32	Three-dimensional, global, radiative GRMHD simulations of a thermally unstable disc. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3437-3448.	4.4	36
33	Chandra Spectral and Timing Analysis of Sgr A*'s Brightest X-Ray Flares. Astrophysical Journal, 2019, 886, 96.	4.5	36
34	Numerical Simulations of a Jetâ€“Cloud Collision and Starburst: Application to Minkowskiâ€™s Object. Astrophysical Journal, 2017, 850, 171.	4.5	33
35	VARIABILITY FROM NON-AXISYMMETRIC FLUCTUATIONS INTERACTING WITH STANDING SHOCKS IN TILTED BLACK HOLE ACCRETION DISKS. Astrophysical Journal, 2012, 761, 18.	4.5	28
36	Relativistic Tidal Disruption and Nuclear Ignition of White Dwarf Stars by Intermediate-mass Black Holes. Astrophysical Journal, 2018, 865, 3.	4.5	27

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37	The Lenseâ€“Thirring timing-accretion plane for ULXs. Monthly Notices of the Royal Astronomical Society, 2019, 489, 282-296.	4.4	26
38	Interactions of type I X-ray bursts with thin accretion disks. Nature Astronomy, 2020, 4, 541-546.	10.1	26
39	Local stability of strongly magnetized black hole tori. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3593-3601.	4.4	25
40	On the decay of strong magnetization in global disc simulations with toroidal fields. Monthly Notices of the Royal Astronomical Society, 2017, 467, 1838-1843.	4.4	24
41	EXCITATION OF TRAPPED WAVES IN SIMULATIONS OF TILTED BLACK HOLE ACCRETION DISKS WITH MAGNETOROTATIONAL TURBULENCE. Astrophysical Journal, 2009, 706, 705-711.	4.5	21
42	No correlation between disc scale height and jet power in GRMHD simulations. Monthly Notices of the Royal Astronomical Society, 2012, 424, 524-531.	4.4	21
43	Cosmos: A Radiationâ€Chemoâ€Hydrodynamics Code for Astrophysical Problems. Astrophysical Journal, Supplement Series, 2003, 147, 177-186.	7.7	20
44	DYNAMICAL BAR-MODE INSTABILITY IN DIFFERENTIALLY ROTATING MAGNETIZED NEUTRON STARS. Astrophysical Journal, 2009, 707, 1610-1622.	4.5	20
45	Simultaneous Monitoring of X-Ray and Radio Variability in Sagittarius A*. Astrophysical Journal, 2017, 845, 35.	4.5	17
46	Quasi-periodic oscillations from relativistic ray-traced hydrodynamical tori. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4036-4049.	4.4	17
47	PHYSICAL PROPERTIES OF THE INNER SHOCKS IN HOT, TILTED BLACK HOLE ACCRETION FLOWS. Astrophysical Journal, 2014, 780, 81.	4.5	16
48	CosmosDG: An hp-adaptive Discontinuous Galerkin Code for Hyper-resolved Relativistic MHD. Astrophysical Journal, Supplement Series, 2017, 231, 17.	7.7	16
49	Simulating the Collapse of a Thick Accretion Disk due to a Type I X-Ray Burst from a Neutron Star. Astrophysical Journal Letters, 2018, 867, L28.	8.3	14
50	Looking for the underlying cause of black hole X-ray variability in GRMHD simulations. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3808-3828.	4.4	14
51	Multi-frequency General Relativistic Radiation-hydrodynamics withÂM₁ Closure. Astrophysical Journal, 2020, 900, 71.	4.5	14
52	Relativistic, axisymmetric, viscous, radiation hydrodynamic simulations of geometrically thin discs. II. Disc variability. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1066-1079.	4.4	8
53	Breathing oscillations in a global simulation of a thin accretion disc. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4811-4819.	4.4	6
54	Evolution of accretion disc reflection spectra due to a Type I X-ray burst. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1736-1744.	4.4	6

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55	Divergence-free magnetohydrodynamics on conformally moving, adaptive meshes using a vector potential method. Journal of Computational Physics: X, 2019, 2, 100020.	0.7	5
56	Nuclear Ignition of White Dwarf Stars by Relativistic Encounters with Rotating Intermediate Mass Black Holes. Astrophysical Journal, 2019, 885, 136.	4.5	5
57	Gamma-Ray Burst Pulse Correlations as Redshift Indicators. , 2009, , .		2
58	Neutron star QPOs from oscillating, precessing hot, thick flow. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3245-3250.	4.4	2
59	3D moving mesh simulations of Galactic center cloud G2. Proceedings of the International Astronomical Union, 2013, 9, 318-319.	0.0	1
60	Current Status of Simulations. Space Science Reviews, 2014, 183, 87-100.	8.1	1
61	Magneto-rotational instability in magnetically polarized discs. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4278-4288.	4.4	1