Om Sharan Salafia

List of Publications by Year
in descending order

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45 papers	5,673 citations	257450 24 h-index	265206 42 g-index
45 all docs	45 docs citations	45 times ranked	8565 citing authors

#	Article	IF	Citations
1	Multi-messenger Observations of a Binary Neutron Star Merger[*]. Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
2	Spectroscopic identification of r-process nucleosynthesis in a double neutron-star merger. Nature, 2017, 551, 67-70.	27.8	715
3	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	4.0	451
4	Compact radio emission indicates a structured jet was produced by a binary neutron star merger. Science, 2019, 363, 968-971.	12.6	272
5	The evolution of the X-ray afterglow emission of GW 170817/ GRB 170817A in XMM-Newton observations. Astronomy and Astrophysics, 2018, 613, L1.	5.1	150
6	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	4.5	144
7	Short gamma-ray bursts at the dawn of the gravitational wave era. Astronomy and Astrophysics, 2016, 594, A84.	5.1	96
8	Bulk Lorentz factors of gamma-ray bursts. Astronomy and Astrophysics, 2018, 609, A112.	5.1	76
9	Observational constraints on the optical and near-infrared emission from the neutron starâ€“black hole binary merger candidate S190814bv. Astronomy and Astrophysics, 2020, 643, A113.	5.1	70
10	The rate and luminosity function of long gamma ray bursts. Astronomy and Astrophysics, 2016, 587, A40.	5.1	61
11	Light-curve models of black hole â€“ neutron star mergers: steps towards a multi-messenger parameter estimation. Astronomy and Astrophysics, 2019, 625, A152.	5.1	60
12	Structure of gamma-ray burst jets: intrinsic versus apparent properties. Monthly Notices of the Royal Astronomical Society, 2015, 450, 3549-3558.	4.4	57
13	Luminosity function and jet structure of Gamma-Ray Burst. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1911-1921.	4.4	55
14	Optimizing searches for electromagnetic counterparts of gravitational wave triggers. Monthly Notices of the Royal Astronomical Society, 2018, 478, 692-702.	4.4	51
15	Structured Jets and X-Ray Plateaus in Gamma-Ray Burst Phenomena. Astrophysical Journal, 2020, 893, 88.	4.5	48
16	On-axis view of GRB 170817A. Astronomy and Astrophysics, 2019, 628, A18.	5.1	47
17	Light curves and spectra from off-axis gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3607-3619.	4.4	44
18	Gamma-ray burst jet propagation, development of angular structure, and the luminosity function. Astronomy and Astrophysics, 2020, 636, A105.	5.1	40

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19	Unveiling the population of orphanÎ³-ray bursts. Astronomy and Astrophysics, 2015, 578, A71.	5.1	35
20	Protonâ€“synchrotron as the radiation mechanism of the prompt emission of gamma-ray bursts?. Astronomy and Astrophysics, 2020, 636, A82.	5.1	35
21	Electromagnetic counterparts of black holeâ€“neutron star mergers: dependence on the neutron star properties. European Physical Journal A, 2020, 56, 1.	2.5	34
22	GRB 190114C: from prompt to afterglow?. Astronomy and Astrophysics, 2019, 626, A12.	5.1	30
23	Where and When: Optimal Scheduling of the Electromagnetic Follow-up of Gravitational-wave Events Based on Counterpart Light-curve Models. Astrophysical Journal, 2017, 846, 62.	4.5	28
24	High-latitude emission from the structured jet of Î³-ray bursts observed off-axis. Astronomy and Astrophysics, 2020, 641, A61.	5.1	27
25	Target-of-opportunity Observations of Gravitational-wave Events with Vera C. Rubin Observatory. Astrophysical Journal, Supplement Series, 2022, 260, 18.	7.7	21
26	The 999thSwiftgamma-ray burst: Some like it thermal. Astronomy and Astrophysics, 2017, 598, A23.	5.1	20
27	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
28	Resolving the Decades-long Transient FIRST J141918.9+394036: An Orphan Long Gamma-Ray Burst or a Young Magnetar Nebula?. Astrophysical Journal Letters, 2019, 876, L14.	8.3	19
29	Rise and fall of the high-energy afterglow emission of GRB 180720B. Astronomy and Astrophysics, 2020, 636, A55.	5.1	19
30	Multiwavelength View of the Close-by GRB 190829A Sheds Light on Gamma-Ray Burst Physics. Astrophysical Journal Letters, 2022, 931, L19.	8.3	19
31	Filling the Mass Gap: How Kilonova Observations Can Unveil the Nature of the Compact Object Merging with the Neutron Star. Astrophysical Journal Letters, 2019, 887, L35.	8.3	18
32	Interpreting GRB170817A as a giant flare from a jet-less double neutron star merger. Astronomy and Astrophysics, 2018, 619, A18.	5.1	17
33	Jet-driven and jet-less fireballs from compact binary mergers. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 474, L7-L11.	3.3	16
34	Accretion-to-jet energy conversion efficiency in GW170817. Astronomy and Astrophysics, 2021, 645, A93.	5.1	13
35	Exploring the nature of ambiguous merging systems: GW190425 in low latency. Astronomy and Astrophysics, 2021, 654, A12.	5.1	12
36	Multi-messenger astrophysics with THESEUS in the 2030s. Experimental Astronomy, 2021, 52, 245-275.	3.7	12

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37	On radiative acceleration in spineâ€“sheath structured blazar jets. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3544-3557.	4.4	10
38	Searching for narrow absorption and emission lines inXMM-Newtonspectra of gamma-ray bursts. Astronomy and Astrophysics, 2016, 592, A85.	5.1	6
39	East Asia VLBI Network observations of the TeV Gamma-Ray Burst 190114C. Science Bulletin, 2020, 65, 267-271.	9.0	6
40	Spectral index-flux relation for investigating the origins of steep decay in Î³-ray bursts. Nature Communications, 2021, 12, 4040.	12.8	6
41	X-ray absorbing column densities of a complete sample of short gamma ray bursts. Astronomy and Astrophysics, 2019, 625, A6.	5.1	4
42	Colour variations in the GRBâ€‰120327A afterglow. Astronomy and Astrophysics, 2017, 607, A29.	5.1	4
43	Gamma-ray burst jets: uniform or structured?. , 2015, , .		0
44	Electromagnetic Counterparts of Gravitational Waves in the Hz-kHz Range. , 2021, , 1-45.		0
45	Electromagnetic Counterparts of Gravitational Waves in the Hz-kHz Range. , 2022, , 947-991.		0