

Om Sharan Salafia

List of Publications by Year in descending order

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Version: 2024-02-01

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	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
2	Target-of-opportunity Observations of Gravitational-wave Events with Vera C. Rubin Observatory. Astrophysical Journal, Supplement Series, 2022, 260, 18.	7.7	21
3	Multiwavelength View of the Close-by GRB 190829A Sheds Light on Gamma-Ray Burst Physics. Astrophysical Journal Letters, 2022, 931, L19.	8.3	19
4	Electromagnetic Counterparts of Gravitational Waves in the Hz-kHz Range. , 2022, , 947-991.		0
5	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
6	Spectral index-flux relation for investigating the origins of steep decay in $\hat{\Gamma}$ -ray bursts. Nature Communications, 2021, 12, 4040.	12.8	6
7	Exploring the nature of ambiguous merging systems: GW190425 in low latency. Astronomy and Astrophysics, 2021, 654, A12.	5.1	12
8	Accretion-to-jet energy conversion efficiency in GW170817. Astronomy and Astrophysics, 2021, 645, A93.	5.1	13
9	Multi-messenger astrophysics with THESEUS in the 2030s. Experimental Astronomy, 2021, 52, 245-275.	3.7	12
10	Electromagnetic Counterparts of Gravitational Waves in the Hz-kHz Range. , 2021, , 1-45.		0
11	East Asia VLBI Network observations of the TeV Gamma-Ray Burst 190114C. Science Bulletin, 2020, 65, 267-271.	9.0	6
12	Protonâ€™s synchrotron as the radiation mechanism of the prompt emission of gamma-ray bursts?. Astronomy and Astrophysics, 2020, 636, A82.	5.1	35
13	Gamma-ray burst jet propagation, development of angular structure, and the luminosity function. Astronomy and Astrophysics, 2020, 636, A105.	5.1	40
14	Electromagnetic counterparts of black holeâ€™neutron star mergers: dependence on the neutron star properties. European Physical Journal A, 2020, 56, 1.	2.5	34
15	Rise and fall of the high-energy afterglow emission of GRB 180720B. Astronomy and Astrophysics, 2020, 636, A55.	5.1	19
16	Structured Jets and X-Ray Plateaus in Gamma-Ray Burst Phenomena. Astrophysical Journal, 2020, 893, 88.	4.5	48
17	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
18	High-latitude emission from the structured jet of $\hat{\Gamma}$ -ray bursts observed off-axis. Astronomy and Astrophysics, 2020, 641, A61.	5.1	27

#	ARTICLE	IF	CITATIONS
19	Resolving the Decades-long Transient FIRST J141918.9+394036: An Orphan Long Gamma-Ray Burst or a Young Magnetar Nebula?. <i>Astrophysical Journal Letters</i> , 2019, 876, L14.	8.3	19
20	Light-curve models of black hole “neutron star mergers: steps towards a multi-messenger parameter estimation. <i>Astronomy and Astrophysics</i> , 2019, 625, A152.	5.1	60
21	On-axis view of GRB 170817A. <i>Astronomy and Astrophysics</i> , 2019, 628, A18.	5.1	47
22	X-ray absorbing column densities of a complete sample of short gamma ray bursts. <i>Astronomy and Astrophysics</i> , 2019, 625, A6.	5.1	4
23	Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , 2019, 36, 143001.	4.0	451
24	GRB 190114C: from prompt to afterglow?. <i>Astronomy and Astrophysics</i> , 2019, 626, A12.	5.1	30
25	Compact radio emission indicates a structured jet was produced by a binary neutron star merger. <i>Science</i> , 2019, 363, 968-971.	12.6	272
26	Filling the Mass Gap: How Kilonova Observations Can Unveil the Nature of the Compact Object Merging with the Neutron Star. <i>Astrophysical Journal Letters</i> , 2019, 887, L35.	8.3	18
27	Jet-driven and jet-less fireballs from compact binary mergers. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 474, L7-L11.	3.3	16
28	Bulk Lorentz factors of gamma-ray bursts. <i>Astronomy and Astrophysics</i> , 2018, 609, A112.	5.1	76
29	The evolution of the X-ray afterglow emission of GW 170817/ GRB 170817A in <i>XMM-Newton</i> observations. <i>Astronomy and Astrophysics</i> , 2018, 613, L1.	5.1	150
30	Interpreting GRB170817A as a giant flare from a jet-less double neutron star merger. <i>Astronomy and Astrophysics</i> , 2018, 619, A18.	5.1	17
31	Optimizing searches for electromagnetic counterparts of gravitational wave triggers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 692-702.	4.4	51
32	Spectroscopic identification of r-process nucleosynthesis in a double neutron-star merger. <i>Nature</i> , 2017, 551, 67-70.	27.8	715
33	Multi-messenger Observations of a Binary Neutron Star Merger[*]. <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	8.3	2,805
34	Where and When: Optimal Scheduling of the Electromagnetic Follow-up of Gravitational-wave Events Based on Counterpart Light-curve Models. <i>Astrophysical Journal</i> , 2017, 846, 62.	4.5	28
35	The 999th <i>Swift</i> gamma-ray burst: Some like it thermal. <i>Astronomy and Astrophysics</i> , 2017, 598, A23.	5.1	20
36	On radiative acceleration in spine“sheath structured blazar jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3544-3557.	4.4	10

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37	Colour variations in the GRBâ€™120327A afterglow. <i>Astronomy and Astrophysics</i> , 2017, 607, A29.	5.1	4
38	Searching for narrow absorption and emission lines in <i>XMM-Newton</i> spectra of gamma-ray bursts. <i>Astronomy and Astrophysics</i> , 2016, 592, A85.	5.1	6
39	Short gamma-ray bursts at the dawn of the gravitational wave era. <i>Astronomy and Astrophysics</i> , 2016, 594, A84.	5.1	96
40	The rate and luminosity function of long gamma ray bursts. <i>Astronomy and Astrophysics</i> , 2016, 587, A40.	5.1	61
41	Light curves and spectra from off-axis gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3607-3619.	4.4	44
42	Unveiling the population of orphan γ -ray bursts. <i>Astronomy and Astrophysics</i> , 2015, 578, A71.	5.1	35
43	Structure of gamma-ray burst jets: intrinsic versus apparent properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 3549-3558.	4.4	57
44	Luminosity function and jet structure of Gamma-Ray Burst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1911-1921.	4.4	55
45	Gamma-ray burst jets: uniform or structured?. , 2015, , .		0