

# Samaya Nissanke

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

4,502  
citations

257450

24  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

4459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.	26.7	808
2	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. <i>Science</i> , 2017, 358, 1559-1565.	12.6	559
3	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3.	26.7	447
4	A radio counterpart to a neutron star merger. <i>Science</i> , 2017, 358, 1579-1583.	12.6	390
5	A mildly relativistic wide-angle outflow in the neutron-star merger event GW170817. <i>Nature</i> , 2018, 554, 207-210.	27.8	283
6	A Hubble constant measurement from superluminal motion of the jet in GW170817. <i>Nature Astronomy</i> , 2019, 3, 940-944.	10.1	201
7	IDENTIFYING ELUSIVE ELECTROMAGNETIC COUNTERPARTS TO GRAVITATIONAL WAVE MERGERS: AN END-TO-END SIMULATION. <i>Astrophysical Journal</i> , 2013, 767, 124.	4.5	197
8	Constraints on the Dense Matter Equation of State and Neutron Star Properties from NICER's Mass-Radius Estimate of PSR J0740+6620 and Multimessenger Observations. <i>Astrophysical Journal Letters</i> , 2021, 918, L29.	8.3	190
9	A NICER View of PSR J0030+0451: Implications for the Dense Matter Equation of State. <i>Astrophysical Journal Letters</i> , 2019, 887, L22.	8.3	162
10	Remnant baryon mass in neutron star-black hole mergers: Predictions for binary neutron star mimickers and rapidly spinning black holes. <i>Physical Review D</i> , 2018, 98, .	4.7	146
11	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 909, 218.	4.5	144
12	Constraining the Dense Matter Equation of State with Joint Analysis of NICER and LIGO/Virgo Measurements. <i>Astrophysical Journal Letters</i> , 2020, 893, L21.	8.3	143
13	GOING THE DISTANCE: MAPPING HOST GALAXIES OF LIGO AND VIRGO SOURCES IN THREE DIMENSIONS USING LOCAL COSMOGRAPHY AND TARGETED FOLLOW-UP. <i>Astrophysical Journal Letters</i> , 2016, 829, L15.	8.3	126
14	GALAXY STRATEGY FOR LIGO-VIRGO GRAVITATIONAL WAVE COUNTERPART SEARCHES. <i>Astrophysical Journal</i> , 2016, 820, 136.	4.5	111
15	GROWTH ON S190814bv: Deep Synoptic Limits on the Optical/Near-infrared Counterpart to a Neutron Star-Black Hole Merger. <i>Astrophysical Journal</i> , 2020, 890, 131.	4.5	74
16	Implications of the search for optical counterparts during the first six months of the Advanced LIGO's and Advanced Virgo's third observing run: possible limits on the ejecta mass and binary properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 863-876.	4.4	71
17	Optical follow-up of the neutron star-black hole mergers S200105ae and S200115j. <i>Nature Astronomy</i> , 2021, 5, 46-53.	10.1	71
18	Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. <i>Astrophysical Journal</i> , 2020, 905, 145.	4.5	69

#	ARTICLE	IF	CITATIONS
19	RADIO COUNTERPARTS OF COMPACT BINARY MERGERS DETECTABLE IN GRAVITATIONAL WAVES: A SIMULATION FOR AN OPTIMIZED SURVEY. <i>Astrophysical Journal</i> , 2016, 831, 190.	4.5	62
20	Distinguishing the nature of comparable-mass neutron star binary systems with multimessenger observations: GW170817 case study. <i>Physical Review D</i> , 2019, 100, .	4.7	54
21	Velocity correction for Hubble constant measurements from standard sirens. <i>Astronomy and Astrophysics</i> , 2021, 646, A65.	5.1	54
22	Implications of the search for optical counterparts during the second part of the Advanced LIGO's and Advanced Virgo's third observing run: lessons learned for future follow-up observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1181-1196.	4.4	39
23	The Challenges Ahead for Multimessenger Analyses of Gravitational Waves and Kilonova: A Case Study on GW190425. <i>Astrophysical Journal</i> , 2021, 922, 269.	4.5	35
24	A Machine Learning-based Source Property Inference for Compact Binary Mergers. <i>Astrophysical Journal</i> , 2020, 896, 54.	4.5	28
25	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	6.6	20
26	Constraining properties of neutron star merger outflows with radio observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2449-2464.	4.4	10
27	Optimizing the Third Generation of Gravitational-wave Observatories for Galactic Astrophysics. <i>Astrophysical Journal</i> , 2022, 926, 231.	4.5	8