

# Yuichiro Sekiguchi

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

3,791  
citations

172457  
29  
h-index

315739  
38  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3010  
citing authors

#	ARTICLE	IF	CITATIONS
1	PRODUCTION OF ALL THE $r$ -PROCESS NUCLIDES IN THE DYNAMICAL EJECTA OF NEUTRON STAR MERGERS. <i>Astrophysical Journal Letters</i> , 2014, 789, L39.	8.3	491
2	Modeling GW170817 based on numerical relativity and its implications. <i>Physical Review D</i> , 2017, 96, .	4.7	355
3	Dynamical mass ejection from binary neutron star mergers: Radiation-hydrodynamics study in general relativity. <i>Physical Review D</i> , 2015, 91, .	4.7	243
4	Gravitational Waves and Neutrino Emission from the Merger of Binary Neutron Stars. <i>Physical Review Letters</i> , 2011, 107, 051102.	7.8	225
5	Dynamical mass ejection from the merger of asymmetric binary neutron stars: Radiation-hydrodynamics study in general relativity. <i>Physical Review D</i> , 2016, 93, .	4.7	218
6	Kilonova from post-merger ejecta as an optical and near-Infrared counterpart of GW170817. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, .	2.5	203
7	Mass Ejection from the Remnant of a Binary Neutron Star Merger: Viscous-radiation Hydrodynamics Study. <i>Astrophysical Journal</i> , 2018, 860, 64.	4.5	183
8	High resolution numerical relativity simulations for the merger of binary magnetized neutron stars. <i>Physical Review D</i> , 2014, 90, .	4.7	167
9	Efficient magnetic-field amplification due to the Kelvin-Helmholtz instability in binary neutron star mergers. <i>Physical Review D</i> , 2015, 92, .	4.7	165
10	J-GEM observations of an electromagnetic counterpart to the neutron star merger GW170817. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, .	2.5	155
11	Global simulations of strongly magnetized remnant massive neutron stars formed in binary neutron star mergers. <i>Physical Review D</i> , 2018, 97, .	4.7	135
12	High resolution magnetohydrodynamic simulation of black hole-neutron star merger: Mass ejection and short gamma ray bursts. <i>Physical Review D</i> , 2015, 92, .	4.7	120
13	Properties of Kilonovae from Dynamical and Post-merger Ejecta of Neutron Star Mergers. <i>Astrophysical Journal</i> , 2018, 852, 109.	4.5	105
14	Properties of Neutrino-driven Ejecta from the Remnant of a Binary Neutron Star Merger: Pure Radiation Hydrodynamics Case. <i>Astrophysical Journal</i> , 2017, 846, 114.	4.5	92
15	Effects of Hyperons in Binary Neutron Star Mergers. <i>Physical Review Letters</i> , 2011, 107, 211101.	7.8	82
16	Mass ejection from disks surrounding a low-mass black hole: Viscous neutrino-radiation hydrodynamics simulation in full general relativity. <i>Physical Review D</i> , 2020, 101, .	4.7	77
17	Construction of KAGRA: an underground gravitational-wave observatory. <i>Progress of Theoretical and Experimental Physics</i> , 2018, 2018, .	6.6	73
18	Sub-radian-accuracy gravitational waveforms of coalescing binary neutron stars in numerical relativity. <i>Physical Review D</i> , 2017, 96, .	4.7	72

#	ARTICLE	IF	CITATIONS
19	FORMATION OF BLACK HOLE AND ACCRETION DISK IN A MASSIVE HIGH-ENTROPY STELLAR CORE COLLAPSE. <i>Astrophysical Journal</i> , 2011, 737, 6.	4.5	67
20	Postmerger Mass Ejection of Low-mass Binary Neutron Stars. <i>Astrophysical Journal</i> , 2020, 901, 122.	4.5	66
21	Neutrino transport in black hole-neutron star binaries: Neutrino emission and dynamical mass ejection. <i>Physical Review D</i> , 2018, 97, .	4.7	57
22	Frequency-domain gravitational waveform models for inspiraling binary neutron stars. <i>Physical Review D</i> , 2018, 97, .	4.7	51
23	General-relativistic neutrino-radiation magnetohydrodynamic simulation of seconds-long black hole-neutron star mergers. <i>Physical Review D</i> , 2022, 106, .	4.7	40
24	Stellar Core Collapse in Full General Relativity with Microphysics: – Formulation and Spherical Collapse Test –. <i>Progress of Theoretical Physics</i> , 2010, 124, 331-379.	2.0	39
25	Viscous evolution of a massive disk surrounding stellar-mass black holes in full general relativity. <i>Physical Review D</i> , 2020, 102, .	4.7	35
26	Radiation Magnetohydrodynamics for Black Hole-Torus System in Full General Relativity: A Step toward Physical Simulation. <i>Progress of Theoretical Physics</i> , 2012, 127, 535-559.	2.0	33
27	Sub-radian-accuracy gravitational waves from coalescing binary neutron stars in numerical relativity. II. Systematic study on the equation of state, binary mass, and mass ratio. <i>Physical Review D</i> , 2020, 101, .	4.7	31
28	Conservative form of Boltzmann's equation in general relativity. <i>Physical Review D</i> , 2014, 89, .	4.7	30
29	Gravitational waves from supermassive stars collapsing to a supermassive black hole. <i>Physical Review D</i> , 2016, 94, .	4.7	29
30	Gravitational collapse of rotating supermassive stars including nuclear burning effects. <i>Physical Review D</i> , 2017, 96, .	4.7	29
31	Long-term evolution of neutron-star merger remnants in general relativistic resistive magnetohydrodynamics with a mean-field dynamo term. <i>Physical Review D</i> , 2021, 104, .	4.7	28
32	Long-term evolution of a merger-remnant neutron star in general relativistic magnetohydrodynamics: Effect of magnetic winding. <i>Physical Review D</i> , 2021, 103, .	4.7	22
33	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
34	Ultra-delayed Neutrino-driven Explosion of Rotating Massive-star Collapse. <i>Astrophysical Journal</i> , 2021, 919, 80.	4.5	17
35	Alternative possibility of GW190521: Gravitational waves from high-mass black hole-disk systems. <i>Physical Review D</i> , 2021, 103, .	4.7	13
36	Analysis of gravitational waves from binary neutron star merger by Hilbert-Huang transform. <i>Physical Review D</i> , 2016, 93, .	4.7	11

#	ARTICLE	IF	CITATIONS
37	Properties of Neutrino Transfer in a Deformed Remnant of a Neutron Star Merger. <i>Astrophysical Journal</i> , 2021, 907, 92.	4.5	11
38	Laser Induced Breakdown Spectroscopy of Er II for Transition Probability Measurements. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2219.	2.5	1
39	Formation and evolution of black hole and accretion disk in collapse of massive stellar cores. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 305-308.	0.0	0
40	Nucleosynthesis in the ejecta of neutron star mergers. , 2014, , .		0
41	Nucleosynthesis in Neutron Star Mergers. , 2018, , .		0
42	Exploring Physics of Neutron Star Matter by Gravitational Waves. , 2018, , .		0
43	Nucleosynthesis in Neutrino-Driven Winds in Hypernovae. , 2017, , .		0