Kohei Inayoshi

List of Publications by Year
in descending order

63 papers	2,815 citations	186265 28 h-index	168389 53 g-index
63 all docs	63 docs citations	63 times ranked	2818 citing authors

#	Article	IF	Citations
1	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
2	The Assembly of the First Massive Black Holes. Annual Review of Astronomy and Astrophysics, 2020, 58, 27-97.	24.3	264
3	Possible indirect confirmation of the existence of Pop III massive stars by gravitational wave. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2963-2992.	4.4	215
4	FORMATION OF PRIMORDIAL SUPERMASSIVE STARS BY RAPID MASS ACCRETION. Astrophysical Journal, 2013, 778, 178.	4.5	201
5	Hyper-Eddington accretion flows on to massive black holes. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3738-3755.	4.4	148
6	Titans of the early Universe: The Prato statement on the origin of the first supermassive black holes. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	114
7	Supermassive black hole formation by cold accretion shocks in the first galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 422, 2539-2546.	4.4	81
8	Formation of an embryonic supermassive star in the first galaxy. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 445, L109-L113.	3.3	78
9	Formation pathway of Population III coalescing binary black holes through stable mass transfer. Monthly Notices of the Royal Astronomical Society, 2017, 468, 5020-5032.	4.4	73
10	Overview of KAGRA: Calibration, detector characterization, physical environmental monitors, and the geophysics interferometer. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	66
11	Does disc fragmentation prevent the formation of supermassive stars in protogalaxies?. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1549-1557.	4.4	65
12	Gravitational wave background from Population III binary black holes consistent with cosmic reionization. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2722-2727.	4.4	61
13	Probing stellar binary black hole formation in galactic nuclei via the imprint of their center of mass acceleration on their gravitational wave signal. Physical Review D, 2017, 96, .	4.7	59
14	The suppression of direct collapse black hole formation by soft X-ray irradiation. Monthly Notices of the Royal Astronomical Society, 2015, 450, 4350-4363.	4.4	54
15	Effect of cosmic ray/X-ray ionization on supermassive black hole formation. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2748-2759.	4.4	49
16	DIRECT DIAGNOSTICS OF FORMING MASSIVE STARS: STELLAR PULSATION AND PERIODIC VARIABILITY OF MASER SOURCES. Astrophysical Journal Letters, 2013, 769, L20.	8.3	48
17	IS THERE A MAXIMUM MASS FOR BLACK HOLES IN GALACTIC NUCLEI?. Astrophysical Journal, 2016, 828, 110.	4.5	42
18	Direct collapse black hole formation via high-velocity collisions of protogalaxies. Monthly Notices of the Royal Astronomical Society, 2015, 453, 1692-1700.	4.4	40

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19	Hyper-Eddington mass accretion on to a black hole with super-Eddington luminosity. Monthly Notices of the Royal Astronomical Society, 2016, 461, 4496-4504.	4.4	38
20	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). XIII. Large-scale Feedback and Star Formation in a Low-luminosity Quasar at z = 7.07 on the Local Black Hole to Host Mass Relation. Astrophysical Journal, 2021, 914, 36.	4.5	37
21	The Sizes of Quasar Host Galaxies in the Hyper Suprime-Cam Subaru Strategic Program. Astrophysical Journal, 2021, 918, 22.	4.5	36
22	Rapid growth of black holes accompanied with hot or warm outflows exposed to anisotropic super-Eddington radiation. Monthly Notices of the Royal Astronomical Society, 2018, 476, 673-682.	4.4	34
23	Pulsational instability of supergiant protostars: do they grow supermassive by accretion?. Monthly Notices of the Royal Astronomical Society, 2013, 431, 3036-3044.	4.4	33
24	Hyper-Eddington accretion flows on to black holes accompanied by powerful outflows. Monthly Notices of the Royal Astronomical Society, 2020, 497, 302-317.	4.4	31
25	Overview of KAGRA: KAGRA science. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	31
26	Stunted accretion growth of black holes by combined effect of the flow angular momentum and radiation feedback. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3961-3975.	4.4	30
27	Low-density, radiatively inefficient rotating-accretion flow on to a black hole. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1412-1426.	4.4	30
28	Light, medium-weight, or heavy? The nature of the first supermassive black hole seeds. Monthly Notices of the Royal Astronomical Society, 2021, 506, 613-632.	4.4	29
29	Massive black hole and Population III galaxy formation in overmassive dark-matter haloes with violent merger histories. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4017-4027.	4.4	28
30	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
31	Gravitational Waves from Supermassive Black Hole Binaries in Ultraluminous Infrared Galaxies. Astrophysical Journal Letters, 2018, 863, L36.	8.3	17
32	Super-Eddington growth of black holes in the early universe: effects of disc radiation spectra. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2689-2700.	4.4	17
33	Super-Eddington Mass Growth of Intermediate-mass Black Holes Embedded in Dusty Circumnuclear Disks. Astrophysical Journal, 2021, 907, 74.	4.5	17
34	Conditions for HD cooling in the first galaxies revisited: interplay between far-ultraviolet and cosmic ray feedback in Population III star formation. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2667-2679.	4.4	16
35	Rapid Growth of Seed Black Holes during Early Bulge Formation. Astrophysical Journal, 2022, 927, 237.	4.5	16
36	The Age of Discovery with the James Webb Space Telescope: Excavating the Spectral Signatures of the First Massive Black Holes. Astrophysical Journal Letters, 2022, 931, L25.	8.3	16

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37	Quenching of Supermassive Black Hole Growth around the Apparent Maximum Mass. Astrophysical Journal Letters, 2017, 840, L9.	8.3	15
38	Transition of BH feeding from the quiescent regime into star-forming cold disc regime. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5377-5390.	4.4	15
39	STELLAR TIDAL DISRUPTION EVENTS BY DIRECT-COLLAPSE BLACK HOLES. Astrophysical Journal, 2016, 826, 80.	4.5	15
40	The extreme properties of the nearby hyper-Eddington accreting active galactic nucleus in IRASÂ04416+1215. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3599-3615.	4.4	15
41	Top-heavy stellar mass distribution in galactic nuclei inferred from the universally high abundance ratio of [Fe/Mg]. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2573-2583.	4.4	15
42	Hunting for Wandering Massive Black Holes. Astrophysical Journal, 2020, 901, 39.	4.5	13
43	The Current Status and Future Prospects of KAGRA, the Large-Scale Cryogenic Gravitational Wave Telescope Built in the Kamioka Underground. Galaxies, 2022, 10, 63.	3.0	13
44	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). XII. Extended [C ii] Structure (Merger) Tj ETQq0 0 0 rgBT /Overlock 10	4.5	12
45	Universal Transition Diagram from Dormant to Actively Accreting Supermassive Black Holes. Astrophysical Journal, 2020, 894, 141.	4.5	11
46	The Eccentric and Accelerating Stellar Binary Black Hole Mergers in Galactic Nuclei: Observing in Ground and Space Gravitational-wave Observatories. Astrophysical Journal, 2021, 923, 139.	4.5	11
47	Opacity Limit for Supermassive Protostars. Astrophysical Journal, 2018, 857, 138.	4.5	10
48	Dynamics and Morphology of Cold Gas in Fast, Radiatively Cooling Outflows: Constraining AGN Energetics with Horseshoes. Astrophysical Journal Letters, 2021, 917, L7.	8.3	10
49	Evolution of High-redshift Quasar Hosts and Promotion of Massive Black Hole Seed Formation. Astrophysical Journal, 2021, 917, 60.	4.5	9
50	Gravitational Wave Backgrounds from Coalescing Black Hole Binaries at Cosmic Dawn: An Upper Bound. Astrophysical Journal, 2021, 919, 41.	4.5	8
51	A Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS). IV. Rapidly Growing (Super)Massive Black Holes in Extremely Radio-loud Galaxies. Astrophysical Journal, 2021, 921, 51.	4.5	8
52	Application of independent component analysis to the iKAGRA data. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	7
53	Vibration isolation systems for the beam splitter and signal recycling mirrors of the KAGRA gravitational wave detector. Classical and Quantum Gravity, 2021, 38, 065011.	4.0	7
54	Radiative feedback for supermassive star formation in a massive cloud with H2 molecules in an atomic-cooling halo. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5960-5971.	4.4	7

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55	Signature of Supersonic Turbulence in Galaxy Clusters Revealed by AGN-driven HÎ± Filaments. Astrophysical Journal Letters, 2022, 929, L30.	8.3	7
56	On the Connection between Supermassive Black Holes and Galaxy Growth in the Reionization Epoch. Astrophysical Journal Letters, 2022, 931, L11.	8.3	7
57	FLUX MONITORING OF 6.7 GHz METHANOL MASER TO SYSTEMATICALLY RESEARCH PERIODIC VARIATIONS USING THE HITACHI 32-m. Publications of the Korean Astronomical Society, 2015, 30, 129-131.	0.0	6
58	Pulsation-driven Mass Loss from Massive Stars behind Stellar Mergers in Metal-poor Dense Clusters. Astrophysical Journal, 2020, 902, 81.	4.5	5
59	On the Mass Loading of AGN-driven Outflows in Elliptical Galaxies and Clusters. Astrophysical Journal, 2021, 923, 256.	4.5	4
60	Performance of the KAGRA detector during the first joint observation with GEOâ€‰600 (O3GK). Progress of Theoretical and Experimental Physics, 2023, 2023, .	6.6	4
61	Testing Two-Component Jet Models of GRBs with Orphan Afterglows. Publication of the Astronomical Society of Japan, 2011, 63, 735-739.	2.5	0
62	Supermassive black hole formation by the cold accretion shocks in the first galaxies. , 2012, , .		0
63	Long-term and highly frequent monitor of 6.7ÂGHz methanol masers to statistically research periodic flux variations around high-mass protostars using the Hitachi 32-m. Proceedings of the International Astronomical Union, 2017, 13, 45-48.	0.0	0