

Yan-Rong Li

List of Publications by Year in descending order

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82
papers

9,649
citations

87723

38
h-index

60497

81
g-index

82
all docs

82
docs citations

82
times ranked

4365
citing authors

#	ARTICLE	IF	CITATIONS
1	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	3.0	2,264
2	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.	3.0	897
3	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	3.0	814
4	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	3.0	806
5	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	3.0	618
6	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	3.0	519
7	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13.	3.0	297
8	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.	3.0	215
9	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020, 125, 141104.	2.9	190
10	SUPERMASSIVE BLACK HOLES WITH HIGH ACCRETION RATES IN ACTIVE GALACTIC NUCLEI. I. FIRST RESULTS FROM A NEW REVERBERATION MAPPING CAMPAIGN. <i>Astrophysical Journal</i> , 2014, 782, 45.	1.6	175
11	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	3.0	175
12	SUPERMASSIVE BLACK HOLES WITH HIGH ACCRETION RATES IN ACTIVE GALACTIC NUCLEI. IV. H β TIME LAGS AND IMPLICATIONS FOR SUPER-EDDINGTON ACCRETION. <i>Astrophysical Journal</i> , 2015, 806, 22.	1.6	168
13	Supermassive Black Holes with High Accretion Rates in Active Galactic Nuclei. IX. 10 New Observations of Reverberation Mapping and Shortened H β Lags. <i>Astrophysical Journal</i> , 2018, 856, 6.	1.6	139
14	SUPERMASSIVE BLACK HOLES WITH HIGH ACCRETION RATES IN ACTIVE GALACTIC NUCLEI. V. A NEW SIZE-LUMINOSITY SCALING RELATION FOR THE BROAD-LINE REGION. <i>Astrophysical Journal</i> , 2016, 825, 126.	1.6	128
15	SUPERMASSIVE BLACK HOLES WITH HIGH ACCRETION RATES IN ACTIVE GALACTIC NUCLEI. II. THE MOST LUMINOUS STANDARD CANDLES IN THE UNIVERSE. <i>Astrophysical Journal</i> , 2014, 793, 108.	1.6	120
16	SUPERMASSIVE BLACK HOLES WITH HIGH ACCRETION RATES IN ACTIVE GALACTIC NUCLEI. VI. VELOCITY-RESOLVED REVERBERATION MAPPING OF THE H β LINE. <i>Astrophysical Journal</i> , 2016, 820, 27.	1.6	95
17	SPECTROSCOPIC INDICATION OF A CENTI-PARSEC SUPERMASSIVE BLACK HOLE BINARY IN THE GALACTIC CENTER OF NGC 5548. <i>Astrophysical Journal</i> , 2016, 822, 4.	1.6	91
18	SUPERMASSIVE BLACK HOLES WITH HIGH ACCRETION RATES IN ACTIVE GALACTIC NUCLEI. III. DETECTION OF Fe II REVERBERATION IN NINE NARROW-LINE SEYFERT 1 GALAXIES. <i>Astrophysical Journal</i> , 2015, 804, 138.	1.6	90

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19	A BAYESIAN APPROACH TO ESTIMATE THE SIZE AND STRUCTURE OF THE BROAD-LINE REGION IN ACTIVE GALACTIC NUCLEI USING REVERBERATION MAPPING DATA. <i>Astrophysical Journal</i> , 2013, 779, 110.	1.6	73
20	Kinematics of the Broad-line Region of 3C 273 from a 10 yr Reverberation Mapping Campaign. <i>Astrophysical Journal</i> , 2019, 876, 49.	1.6	73
21	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.	3.0	67
22	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028.	4.2	65
23	Monitoring AGNs with $H\beta$ Asymmetry. I. First Results: Velocity-resolved Reverberation Mapping. <i>Astrophysical Journal</i> , 2018, 869, 142.	1.6	59
24	EPISODIC RANDOM ACCRETION AND THE COSMOLOGICAL EVOLUTION OF SUPERMASSIVE BLACK HOLE SPINS. <i>Astrophysical Journal</i> , 2009, 697, L141-L144.	1.6	58
25	Supermassive Black Holes with High Accretion Rates in Active Galactic Nuclei. VIII. Structure of the Broad-line Region and Mass of the Central Black Hole in Mrk 142. <i>Astrophysical Journal</i> , 2018, 869, 137.	1.6	58
26	REVERBERATION MAPPING OF THE BROAD-LINE REGION IN NGC 5548: EVIDENCE FOR RADIATION PRESSURE?. <i>Astrophysical Journal</i> , 2016, 827, 118.	1.6	57
27	Failed Radiatively Accelerated Dusty Outflow Model of the Broad Line Region in Active Galactic Nuclei. I. Analytical Solution. <i>Astrophysical Journal</i> , 2017, 846, 154.	1.6	57
28	Tidally disrupted dusty clumps as the origin of broad emission lines in active galactic nuclei. <i>Nature Astronomy</i> , 2017, 1, 775-783.	4.2	56
29	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11.	3.0	56
30	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020, 640, A69.	2.1	54
31	Supermassive Black Holes with High Accretion Rates in Active Galactic Nuclei. XI. Accretion Disk Reverberation Mapping of Mrk 142. <i>Astrophysical Journal</i> , 2020, 896, 1.	1.6	53
32	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.	1.6	51
33	AGN STORM 2. I. First results: A Change in the Weather of Mrk 817. <i>Astrophysical Journal</i> , 2021, 922, 151.	1.6	49
34	THE FUNDAMENTAL PLANE OF THE BROAD-LINE REGION IN ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal Letters</i> , 2016, 818, L14.	3.0	48
35	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139.	1.6	47
36	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148.	1.6	44

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37	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35.	1.6	43
38	COSMOLOGICAL EVOLUTION OF SUPERMASSIVE BLACK HOLES. II. EVIDENCE FOR DOWNSIZING OF SPIN EVOLUTION. <i>Astrophysical Journal</i> , 2012, 749, 187.	1.6	42
39	STAR FORMATION IN SELF-GRAVITATING DISKS IN ACTIVE GALACTIC NUCLEI. I. METALLICITY GRADIENTS IN BROAD-LINE REGIONS. <i>Astrophysical Journal</i> , 2011, 739, 3.	1.6	38
40	COSMOLOGICAL EVOLUTION OF SUPERMASSIVE BLACK HOLES. I. MASS FUNCTION AT $0 < z < 2$. <i>Astrophysical Journal</i> , 2011, 742, 33.	1.6	34
41	A Possible ~ 420 yr Periodicity in Long-term Optical Photometric and Spectral Variations of the Nearby Radio-quiet Active Galactic Nucleus Ark 120. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 33.	3.0	34
42	A NEW APPROACH TO CONSTRAIN BLACK HOLE SPINS IN ACTIVE GALAXIES USING OPTICAL REVERBERATION MAPPING. <i>Astrophysical Journal Letters</i> , 2014, 792, L13.	3.0	33
43	A parallax distance to 3C 273 through spectroastrometry and reverberation mapping. <i>Nature Astronomy</i> , 2020, 4, 517-525.	4.2	33
44	Supermassive Black Holes with High Accretion Rates in Active Galactic Nuclei. XII. Reverberation Mapping Results for 15 PG Quasars from a Long-duration High-cadence Campaign. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 20.	3.0	27
45	ACCRETION DISKS IN ACTIVE GALACTIC NUCLEI: GAS SUPPLY DRIVEN BY STAR FORMATION. <i>Astrophysical Journal Letters</i> , 2010, 719, L148-L152.	3.0	26
46	A High-quality Velocity-delay Map of the Broad-line Region in NGC 5548. <i>Astrophysical Journal Letters</i> , 2018, 865, L8.	3.0	26
47	Accretion-modified Stars in Accretion Disks of Active Galactic Nuclei: Gravitational-wave Bursts and Electromagnetic Counterparts from Merging Stellar Black Hole Binaries. <i>Astrophysical Journal Letters</i> , 2021, 916, L17.	3.0	26
48	A NON-PARAMETRIC APPROACH TO CONSTRAIN THE TRANSFER FUNCTION IN REVERBERATION MAPPING. <i>Astrophysical Journal</i> , 2016, 831, 206.	1.6	26
49	A BAYESIAN METHOD FOR THE INTERCALIBRATION OF SPECTRA IN REVERBERATION MAPPING. <i>Astrophysical Journal Letters</i> , 2014, 786, L6.	3.0	24
50	Reverberation Mapping of Two Luminous Quasars: The Broad-line Region Structure and Black Hole Mass. <i>Astrophysical Journal</i> , 2021, 920, 9.	1.6	24
51	Kinematic Signatures of Reverberation Mapping of Close Binaries of Supermassive Black Holes in Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2018, 862, 171.	1.6	23
52	Reverberation Mapping of the Narrow-line Seyfert 1 Galaxy I Zwicky 1: Black Hole Mass. <i>Astrophysical Journal</i> , 2019, 876, 102.	1.6	23
53	Supermassive Black Holes with High Accretion Rates in Active Galactic Nuclei. VII. Reconstruction of Velocity-delay Maps by the Maximum Entropy Method. <i>Astrophysical Journal</i> , 2018, 864, 109.	1.6	21
54	Evidence for Two Distinct Broad-line Regions from Reverberation Mapping of PG 0026+129. <i>Astrophysical Journal</i> , 2020, 905, 75.	1.6	21

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55	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18.	3.0	21
56	Interpretation of Departure from the Broad-line Region Scaling in Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2019, 870, 84.	1.6	20
57	Active Galactic Nuclei with Ultrafast Outflows Monitoring Project: The Broad-line Region of Mrk 79 as a Disk Wind. <i>Astrophysical Journal</i> , 2019, 887, 135.	1.6	20
58	Untangling Optical Emissions of the Jet and Accretion Disk in the Flat-spectrum Radio Quasar 3C 273 with Reverberation Mapping Data. <i>Astrophysical Journal</i> , 2020, 897, 18.	1.6	19
59	Monitoring AGNs with H β Asymmetry. II. Reverberation Mapping of Three Seyfert Galaxies Historically Displaying H β Profiles with Changing Asymmetry: Mrk 79, NGC 3227, and Mrk 841. <i>Astrophysical Journal</i> , 2020, 905, 77.	1.6	19
60	Supermassive Black Holes with High Accretion Rates in Active Galactic Nuclei. X. Optical Variability Characteristics. <i>Astrophysical Journal</i> , 2019, 877, 23.	1.6	18
61	IMPROVING THE FLUX CALIBRATION IN REVERBERATION MAPPING BY SPECTRAL FITTING: APPLICATION TO THE SEYFERT GALAXY MCG 6-30-15. <i>Astrophysical Journal</i> , 2016, 832, 197.	1.6	16
62	Broad-line Region of the Quasar PG 2130+099 from a Two-year Reverberation Mapping Campaign with High Cadence. <i>Astrophysical Journal</i> , 2020, 890, 71.	1.6	16
63	Accretion Disk Size Measurements of Active Galactic Nuclei Monitored by the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2022, 929, 19.	1.6	16
64	A new approach for measuring power spectra and reconstructing time series in active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 476, L55-L59.	1.2	13
65	A note on periodicity of long-term variations of optical continuum in active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 459, L124-L128.	1.2	12
66	Differential Interferometric Signatures of Close Binaries of Supermassive Black Holes in Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2019, 881, 140.	1.6	11
67	Dynamical evidence from the sub-parsec counter-rotating disc for a close binary of supermassive black holes in NGC 1068. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1020-1028.	1.6	11
68	EVOLUTION OF GASEOUS DISK VISCOSITY DRIVEN BY SUPERNOVA EXPLOSIONS IN STAR-FORMING GALAXIES AT HIGH REDSHIFT. <i>Astrophysical Journal</i> , 2009, 701, L7-L11.	1.6	11
69	EPISODIC ACTIVITIES OF SUPERMASSIVE BLACK HOLES AT REDSHIFT $z \approx 2$: DRIVEN BY MERGERS?. <i>Astrophysical Journal</i> , 2010, 710, 878-885.	1.6	10
70	The VLT Interferometric Measurements of Active Galactic Nuclei: Effects of Angular Momentum Distributions of Clouds in the Broad-line Region. <i>Astrophysical Journal</i> , 2019, 883, 184.	1.6	10
71	ALIGNMENTS OF BLACK HOLES WITH THEIR WARPED ACCRETION DISKS AND EPISODIC LIFETIMES OF ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal</i> , 2015, 804, 45.	1.6	9
72	Observational signatures of close binaries of supermassive black holes in active galactic nuclei. <i>Research in Astronomy and Astrophysics</i> , 2020, 20, 160.	0.7	8

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73	Constraints on individual supermassive binary black holes using observations of PSR J1909â€“3744. <i>Research in Astronomy and Astrophysics</i> , 2019, 19, 178.	0.7	7
74	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13.	1.6	6
75	Self-Consistent Dynamical Model of the Broad Line Region. <i>Frontiers in Astronomy and Space Sciences</i> , 2017, 4, .	1.1	5
76	Spectroastrometry and Reverberation Mapping: The Mass and Geometric Distance of the Supermassive Black Hole in the Quasar 3C 273. <i>Astrophysical Journal</i> , 2022, 927, 58.	1.6	5
77	Geometric Distances of Quasars Measured by Spectroastrometry and Reverberation Mapping: Monte Carlo Simulations. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 57.	3.0	4
78	A Pixon-based Method for Reverberation-mapping Analysis in Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2021, 921, 151.	1.6	4
79	Search for Continuous Gravitational-wave Signals in Pulsar Timing Residuals: A New Scalable Approach with Diffusive Nested Sampling. <i>Astrophysical Journal</i> , 2021, 922, 228.	1.6	4
80	EVOLUTION OF WARPED ACCRETION DISKS IN ACTIVE GALACTIC NUCLEI. I. ROLES OF FEEDING AT THE OUTER BOUNDARIES. <i>Astrophysical Journal</i> , 2013, 764, 16.	1.6	3
81	Cosmological Evolution of Supermassive Black Holes: Mass Functions and Spins. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 259-260.	0.0	1
82	X-ray properties of reverberation-mapped AGNs with super-Eddington accreting massive black holes. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 143-143.	0.0	0