

# Yan-Rong Li

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

5,051

citations

29

h-index

70

g-index

82

ext. papers

7,382

ext. citations

5.6

avg, IF

4.73

L-index

#	Paper	IF	Citations
82	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 13	4.7	2
81	Spectroastrometry and Reverberation Mapping: The Mass and Geometric Distance of the Supermassive Black Hole in the Quasar 3C 273. <i>Astrophysical Journal</i> , <b>2022</b> , 927, 58	4.7	0
80	Accretion Disk Size Measurements of Active Galactic Nuclei Monitored by the Zwicky Transient Facility. <i>Astrophysical Journal</i> , <b>2022</b> , 929, 19	4.7	0
79	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L18	7.9	7
78	A Pixon-based Method for Reverberation-mapping Analysis in Active Galactic Nuclei. <i>Astrophysical Journal</i> , <b>2021</b> , 921, 151	4.7	0
77	AGN STORM 2. I. First results: A Change in the Weather of Mrk 817. <i>Astrophysical Journal</i> , <b>2021</b> , 922, 151	4.7	10
76	Search for Continuous Gravitational-wave Signals in Pulsar Timing Residuals: A New Scalable Approach with Diffusive Nested Sampling. <i>Astrophysical Journal</i> , <b>2021</b> , 922, 228	4.7	1
75	Reverberation Mapping of Two Luminous Quasars: The Broad-line Region Structure and Black Hole Mass. <i>Astrophysical Journal</i> , <b>2021</b> , 920, 9	4.7	4
74	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> , <b>2021</b> , 253, 20	8	5
73	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L14	7.9	28
72	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L13	7.9	70
71	Geometric Distances of Quasars Measured by Spectroastrometry and Reverberation Mapping: Monte Carlo Simulations. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 253, 57	8	4
70	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 911, L11	7.9	16
69	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , <b>2021</b> , 912, 35	4.7	7
68	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L12	7.9	58
67	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> , <b>2021</b> , 916, L17	7.9	6
66	Broad-line Region of the Quasar PG 2130+099 from a Two-year Reverberation Mapping Campaign with High Cadence. <i>Astrophysical Journal</i> , <b>2020</b> , 890, 71	4.7	7

65	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 139	4.7	24
64	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> , <b>2020</b> , 897, 18	4.7	12
63	A parallax distance to 3C 273 through spectroastrometry and reverberation mapping. <i>Nature Astronomy</i> , <b>2020</b> , 4, 517-525	12.1	18
62	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 640, A69	5.1	21
61	Supermassive Black Holes with High Accretion Rates in Active Galactic Nuclei. XI. Accretion Disk Reverberation Mapping of Mrk 142. <i>Astrophysical Journal</i> , <b>2020</b> , 896, 1	4.7	21
60	Monitoring the Morphology of M87* in 2009-2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , <b>2020</b> , 901, 67	4.7	20
59	Monitoring AGNs with H $\alpha$ Asymmetry. II. Reverberation Mapping of Three Seyfert Galaxies Historically Displaying H $\alpha$ Profiles with Changing Asymmetry: Mrk 79, NGC 3227, and Mrk 841. <i>Astrophysical Journal</i> , <b>2020</b> , 905, 77	4.7	7
58	Evidence for Two Distinct Broad-line Regions from Reverberation Mapping of PG 0026+129. <i>Astrophysical Journal</i> , <b>2020</b> , 905, 75	4.7	7
57	Observational signatures of close binaries of supermassive black holes in active galactic nuclei. <i>Research in Astronomy and Astrophysics</i> , <b>2020</b> , 20, 160	1.5	5
56	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> , <b>2020</b> , 497, 1020-1028	4.3	6
55	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , <b>2020</b> , 125, 141104	7.4	74
54	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 148	4.7	18
53	Interpretation of Departure from the Broad-line Region Scaling in Active Galactic Nuclei. <i>Astrophysical Journal</i> , <b>2019</b> , 870, 84	4.7	17
52	A Possible ~20 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> , <b>2019</b> , 241, 33	8	23
51	Supermassive Black Holes with High Accretion Rates in Active Galactic Nuclei. X. Optical Variability Characteristics. <i>Astrophysical Journal</i> , <b>2019</b> , 877, 23	4.7	6
50	Kinematics of the Broad-line Region of 3C 273 from a 10 yr Reverberation Mapping Campaign. <i>Astrophysical Journal</i> , <b>2019</b> , 876, 49	4.7	45
49	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L3	7.9	267
48	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L2	7.9	325

47	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L4	7.9	411
46	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L1	7.9	1110
45	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L5	7.9	429
44	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L6	7.9	466
43	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 243, 26	8	96
42	Reverberation Mapping of the Narrow-line Seyfert 1 Galaxy I Zwicky 1: Black Hole Mass. <i>Astrophysical Journal</i> , <b>2019</b> , 876, 102	4.7	14
41	Differential Interferometric Signatures of Close Binaries of Supermassive Black Holes in Active Galactic Nuclei. <i>Astrophysical Journal</i> , <b>2019</b> , 881, 140	4.7	8
40	The VLT Interferometric Measurements of Active Galactic Nuclei: Effects of Angular Momentum Distributions of Clouds in the Broad-line Region. <i>Astrophysical Journal</i> , <b>2019</b> , 883, 184	4.7	6
39	Active Galactic Nuclei with Ultrafast Outflows Monitoring Project: The Broad-line Region of Mrk 79 as a Disk Wind. <i>Astrophysical Journal</i> , <b>2019</b> , 887, 135	4.7	11
38	X-ray properties of reverberation-mapped AGNs with super-Eddington accreting massive black holes. <i>Proceedings of the International Astronomical Union</i> , <b>2019</b> , 15, 143-143	0.1	
37	Constraints on individual supermassive binary black holes using observations of PSR J1909B744. <i>Research in Astronomy and Astrophysics</i> , <b>2019</b> , 19, 178	1.5	5
36	Supermassive Black Holes with High Accretion Rates in Active Galactic Nuclei. IX. 10 New Observations of Reverberation Mapping and Shortened H $\beta$ ags. <i>Astrophysical Journal</i> , <b>2018</b> , 856, 6	4.7	100
35	Kinematic Signatures of Reverberation Mapping of Close Binaries of Supermassive Black Holes in Active Galactic Nuclei. <i>Astrophysical Journal</i> , <b>2018</b> , 862, 171	4.7	16
34	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> , <b>2018</b> , 869, 137	4.7	38
33	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> , <b>2018</b> , 476, L55-L59	4.3	8
32	Monitoring AGNs with H $\beta$ Asymmetry. I. First Results: Velocity-resolved Reverberation Mapping. <i>Astrophysical Journal</i> , <b>2018</b> , 869, 142	4.7	32
31	A High-quality Velocity-delay Map of the Broad-line Region in NGC 5548. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 865, L8	7.9	15
30	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> , <b>2018</b> , 864, 109	4.7	14

29	Tidally disrupted dusty clumps as the origin of broad emission lines in active galactic nuclei. <i>Nature Astronomy</i> , <b>2017</b> , 1, 775-783	12.1	39
28	Failed Radiatively Accelerated Dusty Outflow Model of the Broad Line Region in Active Galactic Nuclei. I. Analytical Solution. <i>Astrophysical Journal</i> , <b>2017</b> , 846, 154	4.7	39
27	Self-Consistent Dynamical Model of the Broad Line Region. <i>Frontiers in Astronomy and Space Sciences</i> , <b>2017</b> , 4,	3.8	5
26	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> , <b>2016</b> , 825, 126	4.7	90
25	THE FUNDAMENTAL PLANE OF THE BROAD-LINE REGION IN ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 818, L14	7.9	31
24	IMPROVING THE FLUX CALIBRATION IN REVERBERATION MAPPING BY SPECTRAL FITTING:APPLICATION TO THE SEYFERT GALAXY MCG3-30-15. <i>Astrophysical Journal</i> , <b>2016</b> , 832, 197	4.7	14
23	A NON-PARAMETRIC APPROACH TO CONSTRAIN THE TRANSFER FUNCTION IN REVERBERATION MAPPING. <i>Astrophysical Journal</i> , <b>2016</b> , 831, 206	4.7	14
22	SUPERMASSIVE BLACK HOLES WITH HIGH ACCRETION RATES IN ACTIVE GALACTIC NUCLEI. VI. VELOCITY-RESOLVED REVERBERATION MAPPING OF THE H $\beta$ LINE. <i>Astrophysical Journal</i> , <b>2016</b> , 820, 27	4.7	74
21	REVERBERATION MAPPING OF THE BROAD-LINE REGION IN NGC 5548: EVIDENCE FOR RADIATION PRESSURE?. <i>Astrophysical Journal</i> , <b>2016</b> , 827, 118	4.7	42
20	SPECTROSCOPIC INDICATION OF A CENTI-PARSEC SUPERMASSIVE BLACK HOLE BINARY IN THE GALACTIC CENTER OF NGC 5548. <i>Astrophysical Journal</i> , <b>2016</b> , 822, 4	4.7	69
19	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> , <b>2016</b> , 459, L124-L128	4.3	11
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> , <b>2015</b> , 804, 138	4.7	61
17	ALIGNMENTS OF BLACK HOLES WITH THEIR WARPED ACCRETION DISKS AND EPISODIC LIFETIMES OF ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal</i> , <b>2015</b> , 804, 45	4.7	8
16	SUPERMASSIVE BLACK HOLES WITH HIGH ACCRETION RATES IN ACTIVE GALACTIC NUCLEI. IV. H $\beta$ TIME LAGS AND IMPLICATIONS FOR SUPER-EDDINGTON ACCRETION. <i>Astrophysical Journal</i> , <b>2015</b> , 806, 22	4.7	116
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> , <b>2014</b> , 793, 108	4.7	80
14	SUPERMASSIVE BLACK HOLES WITH HIGH ACCRETION RATES IN ACTIVE GALACTIC NUCLEI. I. FIRST RESULTS FROM A NEW REVERBERATION MAPPING CAMPAIGN. <i>Astrophysical Journal</i> , <b>2014</b> , 782, 45	4.7	131
13	A NEW APPROACH TO CONSTRAIN BLACK HOLE SPINS IN ACTIVE GALAXIES USING OPTICAL REVERBERATION MAPPING. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 792, L13	7.9	27
12	A BAYESIAN METHOD FOR THE INTERCALIBRATION OF SPECTRA IN REVERBERATION MAPPING. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 786, L6	7.9	16

11	EVOLUTION OF WARPED ACCRETION DISKS IN ACTIVE GALACTIC NUCLEI. I. ROLES OF FEEDING AT THE OUTER BOUNDARIES. <i>Astrophysical Journal</i> , <b>2013</b> , 764, 16	4-7	2
10	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> , <b>2013</b> , 779, 110	4-7	59
9	COSMOLOGICAL EVOLUTION OF SUPERMASSIVE BLACK HOLES. II. EVIDENCE FOR DOWNSIZING OF SPIN EVOLUTION. <i>Astrophysical Journal</i> , <b>2012</b> , 749, 187	4-7	38
8	Cosmological Evolution of Supermassive Black Holes: Mass Functions and Spins. <i>Proceedings of the International Astronomical Union</i> , <b>2012</b> , 8, 259-260	0-1	1
7	STAR FORMATION IN SELF-GRAVITATING DISKS IN ACTIVE GALACTIC NUCLEI. I. METALLICITY GRADIENTS IN BROAD-LINE REGIONS. <i>Astrophysical Journal</i> , <b>2011</b> , 739, 3	4-7	26
6	COSMOLOGICAL EVOLUTION OF SUPERMASSIVE BLACK HOLES. I. MASS FUNCTION AT 0 . <i>Astrophysical Journal</i> , <b>2011</b> , 742, 33	4-7	32
5	ACCRETION DISKS IN ACTIVE GALACTIC NUCLEI: GAS SUPPLY DRIVEN BY STAR FORMATION. <i>Astrophysical Journal Letters</i> , <b>2010</b> , 719, L148-L152	7-9	20
4	EPISODIC ACTIVITIES OF SUPERMASSIVE BLACK HOLES AT REDSHIFTz? 2: DRIVEN BY MERGERS?. <i>Astrophysical Journal</i> , <b>2010</b> , 710, 878-885	4-7	9
3	EPISODIC RANDOM ACCRETION AND THE COSMOLOGICAL EVOLUTION OF SUPERMASSIVE BLACK HOLE SPINS. <i>Astrophysical Journal</i> , <b>2009</b> , 697, L141-L144	4-7	54
2	EVOLUTION OF GASEOUS DISK VISCOSITY DRIVEN BY SUPERNOVA EXPLOSIONS IN STAR-FORMING GALAXIES AT HIGH REDSHIFT. <i>Astrophysical Journal</i> , <b>2009</b> , 701, L7-L11	4-7	10
1	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,	12-1	13