

# Kejia Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

3,721  
citations

218677

26  
h-index

243625

44  
g-index

48  
all docs

48  
docs citations

48  
times ranked

3274  
citing authors

#	ARTICLE	IF	CITATIONS
1	FAST RADIO BURST DISCOVERED IN THE ARECIBO PULSAR ALFA SURVEY. <i>Astrophysical Journal</i> , 2014, 790, 101.	4.5	409
2	European Pulsar Timing Array limits on an isotropic stochastic gravitational-wave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 2577-2599.	4.4	380
3	High-precision timing of 42 millisecond pulsars with the European Pulsar Timing Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 3341-3380.	4.4	351
4	A strong magnetic field around the supermassive black hole at the centre of the Galaxy. <i>Nature</i> , 2013, 501, 391-394.	27.8	340
5	The International Pulsar Timing Array: second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4666-4687.	4.4	191
6	Common-red-signal analysis with 24-yr high-precision timing of the European Pulsar Timing Array: inferences in the stochastic gravitational-wave background search. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 4970-4993.	4.4	184
7	The International Pulsar Timing Array second data release: Search for an isotropic gravitational wave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4873-4887.	4.4	174
8	ON PULSAR DISTANCE MEASUREMENTS AND THEIR UNCERTAINTIES. <i>Astrophysical Journal</i> , 2012, 755, 39.	4.5	152
9	Diverse polarization angle swings from a repeating fast radio burst source. <i>Nature</i> , 2020, 586, 693-696.	27.8	109
10	No pulsed radio emission during a bursting phase of a Galactic magnetar. <i>Nature</i> , 2020, 587, 63-65.	27.8	101
11	Prospects for high-precision pulsar timing with the new Effelsberg PSRIX backend. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 868-880.	4.4	96
12	On the normalized FRB luminosity function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2320-2337.	4.4	96
13	The FAST Galactic Plane Pulsar Snapshot survey: I. Project design and pulsar discoveries $\hat{\alpha} \hat{\dagger}$ . <i>Research in Astronomy and Astrophysics</i> , 2021, 21, 107.	1.7	95
14	Characterizing the Fast Radio Burst Host Galaxy Population and its Connection to Transients in the Local and Extragalactic Universe. <i>Astronomical Journal</i> , 2022, 163, 69.	4.7	91
15	On the FRB luminosity function $\hat{\alpha} \hat{\dagger}$ II. Event rate density. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 665-679.	4.4	81
16	ARECIBO PULSAR SURVEY USING ALFA. IV. MOCK SPECTROMETER DATA ANALYSIS, SURVEY SENSITIVITY, AND THE DISCOVERY OF 40 PULSARS. <i>Astrophysical Journal</i> , 2015, 812, 81.	4.5	77
17	PULSE BROADENING MEASUREMENTS FROM THE GALACTIC CENTER PULSAR J1745-2900. <i>Astrophysical Journal Letters</i> , 2014, 780, L3.	8.3	75
18	Tests of gravitational symmetries with pulsar binary J1713+0747. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 3249-3260.	4.4	73

#	ARTICLE	IF	CITATIONS
19	LEAP: the Large European Array for Pulsars. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2196-2209.	4.4	72
20	Profile-shape stability and phase-jitter analyses of millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2012, 420, 361-368.	4.4	57
21	FRB 121102: A Starquake-induced Repeater?. Astrophysical Journal, 2018, 852, 140.	4.5	54
22	A pulsar-based time-scale from the International Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5951-5965.	4.4	51
23	The noise properties of 42 millisecond pulsars from the European Pulsar Timing Array and their impact on gravitational-wave searches. Monthly Notices of the Royal Astronomical Society, 2016, 457, 4421-4440.	4.4	48
24	Radio emission from a pulsar's magnetic pole revealed by general relativity. Science, 2019, 365, 1013-1017.	12.6	45
25	Noise analysis in the European Pulsar Timing Array data release 2 and its implications on the gravitational-wave background search. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5538-5558.	4.4	28
26	Measuring interstellar delays of PSR J0613+0200 over 7Åyr, using the Large European Array for Pulsars. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1468-1479.	4.4	27
27	Crab giant pulses at low frequencies. Astronomy and Astrophysics, 2012, 538, A7.	5.1	26
28	Rotation measure synthesis revisited. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 447, L26-L30.	3.3	24
29	A detailed study of giant pulses from PSR B1937+21 using the Large European Array for Pulsars. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	22
30	Polarization signatures of unresolved radio sources. Monthly Notices of the Royal Astronomical Society, 2015, 450, 3579-3596.	4.4	20
31	Piggyback search for fast radio bursts using Nanshan 26m and Kunming 40m radio telescopes. I. Observing and data analysis systems, discovery of a mysterious peryton. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3957-3971.	4.4	18
32	Periodic Q-mode modulation in PSR J1825+0935 (PSR B1822+09). Monthly Notices of the Royal Astronomical Society, 2019, 485, 3241-3247.	4.4	18
33	Finding a faint polarized signal in wide-band radio data. Monthly Notices of the Royal Astronomical Society, 2017, 466, 378-391.	4.4	17
34	Non-detection of fast radio bursts from six gamma-ray burst remnants with possible magnetar engines. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3643-3647.	4.4	17
35	Modelling annual scintillation arc variations in PSR J1643+1224 using the Large European Array for Pulsars. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1104-1114.	4.4	16
36	Studying the Solar system dynamics using pulsar timing arrays and the LINIMOSS dynamical model. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5573-5581.	4.4	15

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37	Advancing pulsar science with the FAST. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	14
38	Repeating fast radio bursts: Coherent circular polarization by bunches. Science China: Physics, Mechanics and Astronomy, 2022, 65, .	5.1	13
39	Multi-epoch searches for relativistic binary pulsars and fast transients in the Galactic Centre. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5053-5068.	4.4	11
40	The 2016 glitch in the Vela pulsar. Astrophysics and Space Science, 2019, 364, 1.	1.4	9
41	Fast radio burst detection in the presence of coloured noise. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5223-5231.	4.4	8
42	Detection of quasi-periodic micro-structure in three millisecond pulsars with the Large European Array for Pulsars. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4037-4044.	4.4	6
43	Measuring clock jumps using pulsar timing. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	5
44	Removal and replacement of interference in tied-array radio pulsar observations using the spectral kurtosis estimator. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1597-1611.	4.4	4
45	A Joint Model for Radio and $\hat{\gamma}$ -ray Emission from Pulsars. Symposium - International Astronomical Union, 2003, 214, 167-170.	0.1	1
46	Radio and $\hat{\gamma}$ -ray emissions from pulsars: possible observational tests. AIP Conference Proceedings, 2008, , .	0.4	0
47	Pulsar observations with European telescopes for testing gravity and detecting gravitational waves. , 2017, , .		0