# Na Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7078890/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 203 papers | 5,903 citations | 159585 30 h-index | 79698 73 g-index |
| 205 all docs | 205 docs citations | 205 times ranked | 4894 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Satellite-based entanglement distribution over 1200 kilometers. Science, 2017, 356, 1140-1144. | 12.6 | 870 |
| 2 | A NEW ELECTRON-DENSITY MODEL FOR ESTIMATION OF PULSAR AND FRB DISTANCES. Astrophysical Journal, 2017, 835, 29. | 4.5 | 730 |
| 3 | THE SECOND FERMI LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS. Astrophysical Journal, Supplement Series, 2013, 208, 17. | 7.7 | 693 |
| 4 | THE FIRST FERMI LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS. Astrophysical Journal, Supplement Series, 2010, 187, 460-494. | 7.7 | 396 |
| 5 | Pulsar nulling and mode changing. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1383-1392. | 4.4 | 215 |
| 6 | Glitches in southern pulsars. Monthly Notices of the Royal Astronomical Society, 2000, 317, 843-860. | 4.4 | 114 |
| 7 | A repeating fast radio burst source in a globular cluster. Nature, 2022, 602, 585-589. | 27.8 | 110 |
| 8 | Diverse polarization angle swings from a repeating fast radio burst source. Nature, 2020, 586, 693-696. | 27.8 | 109 |
| 9 | Radio observations of PSR B1259-63 through the 2004 periastron passage. Monthly Notices of the Royal Astronomical Society, 2005, 358, 1069-1075. | 4.4 | 106 |
| 10 | The FAST Galactic Plane Pulsar Snapshot survey: I. Project design and pulsar discoveries<sup> â‹† </sup>. Research in Astronomy and Astrophysics, 2021, 21, 107. | 1.7 | 95 |
| 11 | Pulsar timing for theFermigamma-ray space telescope. Astronomy and Astrophysics, 2008, 492, 923-931. | 5.1 | 81 |
| 12 | Searching for gravitational wave memory bursts with the Parkes Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2015, 446, 1657-1671. | 4.4 | 79 |
| 13 | The Dipole Magnetic Field and Spin-down Evolutions of the High Braking Index Pulsar PSR J1640â€“4631. Astrophysical Journal, 2017, 849, 19. | 4.5 | 77 |
| 14 | Constraining the braking indices of magnetars. Monthly Notices of the Royal Astronomical Society, 2016, 456, 55-65. | 4.4 | 74 |
| 15 | Xinjiang Qitai 110 m radio telescope. Scientia Sinica: Physica, Mechanica Et Astronomica, 2014, 44, 783-794. | 0.4 | 73 |
| 16 | Polarization observations of 20 millisecond pulsars. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2087-2100. | 4.4 | 69 |
| 17 | An alternative symbiotic channel to Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1086-1095. | 4.4 | 67 |
| 18 | Pulsar timing at Urumqi Astronomical Observatory: observing system and results. Monthly Notices of the Royal Astronomical Society, 2001, 328, 855-866. | 4.4 | 66 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | GAMMA-RAY AND RADIO PROPERTIES OF SIX PULSARS DETECTED BY THEFERMILARGE AREA TELESCOPE. Astrophysical Journal, 2010, 708, 1426-1441. | 4.5 | 56 |
| 20 | 13 years of timing of PSR B1259â˜'63. Monthly Notices of the Royal Astronomical Society, 2004, 351, 599-606. | 4.4 | 53 |
| 21 | Quakes in solid quark stars. Astroparticle Physics, 2004, 22, 73-79. | 4.3 | 48 |
| 22 | Population synthesis for symbiotic X-ray binaries. Monthly Notices of the Royal Astronomical Society, 2012, 424, 2265-2275. | 4.4 | 46 |
| 23 | Burst timescales and luminosities as links between young pulsars and fast radio bursts. Nature Astronomy, 2022, 6, 393-401. | 10.1 | 46 |
| 24 | A VERY LARGE GLITCH IN PSR B2334+61. Astrophysical Journal Letters, 2010, 719, L111-L115. | 8.3 | 42 |
| 25 | FERMILARGE AREA TELESCOPE DETECTION OF PULSED Î³-RAYS FROM THE VELA-LIKE PULSARS PSR J1048â€"5832 AND PSR J2229+6114. Astrophysical Journal, 2009, 706, 1331-1340. | 4.5 | 41 |
| 26 | Long-term scintillation observations of five pulsars at 1540 MHz. Monthly Notices of the Royal Astronomical Society, 2005, 358, 270-282. | 4.4 | 39 |
| 27 | Timing measurements and proper motions of 74 pulsars using the Nanshan radio telescope. Monthly Notices of the Royal Astronomical Society, 2005, 362, 1189-1198. | 4.4 | 39 |
| 28 | Unusual glitch behaviours of two young pulsars. Monthly Notices of the Royal Astronomical Society, 2004, 354, 811-814. | 4.4 | 37 |
| 29 | Very long baseline interferometry astrometry of PSR B1257+12, a pulsar with a planetary system. Monthly Notices of the Royal Astronomical Society, 2013, 433, 162-169. | 4.4 | 37 |
| 30 | PRESSURE OF DEGENERATE AND RELATIVISTIC ELECTRONS IN A SUPERHIGH MAGNETIC FIELD. Modern Physics Letters A, 2013, 28, 1350138. | 1.2 | 34 |
| 31 | Investigation of nulling and subpulse drifting properties of PSR J1727â˜'2739. Astronomy and Astrophysics, 2016, 592, A127. | 5.1 | 33 |
| 32 | 29 glitches detected at Urumqi Observatory. Monthly Notices of the Royal Astronomical Society, 2010, , . | 4.4 | 31 |
| 33 | Determination of the Sun's offset from the Galactic plane using pulsars. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3289-3294. | 4.4 | 31 |
| 34 | Numerically fitting the electron Fermi energy and the electron fraction in a neutron star. International Journal of Modern Physics D, 2016, 25, 1650002. | 2.1 | 28 |
| 35 | Evidence for three-dimensional spinâ€"velocity alignment in a pulsar. Nature Astronomy, 2021, 5, 788-795. | 10.1 | 28 |
| 36 | Milliarcsecond Localization of the Repeating FRB 20201124A. Astrophysical Journal Letters, 2022, 927, L3. | 8.3 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The effects of superhigh magnetic fields on the equations of state of neutron stars. Astronomische Nachrichten, 2015, 336, 866-870. | 1.2 | 27 |
| 38 | Early Abnormal Temperature Structure of X-Ray Loop-Top Source of Solar Flares. Astrophysical Journal, 2008, 686, L37-L40. | 4.5 | 26 |
| 39 | Recent glitches detected in the Crab pulsar. Astrophysics and Space Science, 2012, 340, 307-315. | 1.4 | 25 |
| 40 | A statistical study on the low-frequency quasi-periodic oscillation amplitude spectrum and amplitude in GRS 1915+105. Monthly Notices of the Royal Astronomical Society, 2013, 434, 59-68. | 4.4 | 25 |
| 41 | FAST discovery of an extremely radio-faint millisecond pulsar from the Fermi-LAT unassociated source 3FGL J0318.1+0252. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1. | 5.1 | 25 |
| 42 | The spin-down state change and mode change associated with glitch activity of PSR B2035+36. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 478, L24-L28. | 3.3 | 24 |
| 43 | Modified Fermi energy of electrons in a superhigh magnetic field. Modern Physics Letters A, 2016, 31, 1650070. | 1.2 | 23 |
| 44 | Dependence of pulsar death line on the equation of state. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2403-2409. | 4.4 | 23 |
| 45 | On Nulling, Drifting, and Their Interactions in PSRs J1741â€“0840 and J1840â€“0840. Astrophysical Journal, 2017, 850, 173. | 4.5 | 23 |
| 46 | Observations of six glitches in PSR B1737â^'30. Monthly Notices of the Royal Astronomical Society, 2008, 384, 1063-1068. | 4.4 | 22 |
| 47 | LONG-TERM MONITORING OF MODE SWITCHING FOR PSR B0329+54. Astrophysical Journal, 2011, 741, 48. | 4.5 | 22 |
| 48 | The Landau level-superfluid modified factor and the overal soft X/Î³-ray efficiency coefficient of a magnetar. Astrophysics and Space Science, 2011, 336, 427-439. | 1.4 | 22 |
| 49 | ON THE NATURE OF THE FIRST TRANSIENT Z SOURCE XTE J1701â€“462: ITS ACCRETION DISK STRUCTURE, NEUTRON STAR MAGNETIC FIELD STRENGTH, AND HARD TAIL. Astronomical Journal, 2011, 142, 34. | 4.7 | 22 |
| 50 | Daily observations of interstellar scintillation in PSR B0329+54. Monthly Notices of the Royal Astronomical Society, 2008, 385, 1393-1401. | 4.4 | 21 |
| 51 | Numerical simulation of the electron capture process inÂaÂmagnetar interior. Astrophysics and Space Science, 2011, 332, 129-138. | 1.4 | 21 |
| 52 | Magnetic field decay of magnetars in supernova remnants. Astrophysics and Space Science, 2012, 342, 55-71. | 1.4 | 21 |
| 53 | Periodic mode changing in PSR J1048â^'5832. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4634-4641. | 4.4 | 21 |
| 54 | An adjustment method for active reflector of large high-frequency antennas considering gain and boresight. Research in Astronomy and Astrophysics, 2017, 17, 043. | 1.7 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Comparison of pulsar positions from timing and very long baseline astrometry. Monthly Notices of the Royal Astronomical Society, 2017, 469, 425-434. | 4.4 | 20 |
| 56 | A Large Glitch in the Crab Pulsar. Research in Astronomy and Astrophysics, 2001, 1, 195-199. | 1.1 | 18 |
| 57 | PULSAR WIND MODEL FOR THE SPIN-DOWN BEHAVIOR OF INTERMITTENT PULSARS. Astrophysical Journal, 2014, 788, 16. | 4.5 | 18 |
| 58 | Periodic Q-mode modulation in PSR J1825â^'0935 (PSR B1822â^'09). Monthly Notices of the Royal Astronomical Society, 2019, 485, 3241-3247. | 4.4 | 18 |
| 59 | The Mode Switching in Pulsar J1326â€“6700. Astrophysical Journal, 2020, 904, 72. | 4.5 | 18 |
| 60 | A possible mechanism for magnetar soft X-ray/Î³-ray emission. Chinese Physics B, 2012, 21, 057109. | 1.4 | 17 |
| 61 | Could the low-braking-index pulsar PSR J1734-3333 evolve into a magnetar?. Astronomische Nachrichten, 2017, 338, 1060-1065. | 1.2 | 17 |
| 62 | Timing observations of Rotating Radio Transient J1819â^'1458 at Urumqi observatory. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1399-1404. | 4.4 | 16 |
| 63 | Evolution of superhigh magnetic fields of magnetars. Astrophysics and Space Science, 2011, 333, 427-435. | 1.4 | 16 |
| 64 | Rotation measure variations for 20 millisecond pulsars. Astrophysics and Space Science, 2011, 335, 485-498. | 1.4 | 16 |
| 65 | Binary pulsars in magnetic field versus spin period diagram. Astrophysics and Space Science, 2013, 346, 119-125. | 1.4 | 16 |
| 66 | Reinvestigation of the electron fraction and electron Fermi energy of neutron star. Astronomische Nachrichten, 2017, 338, 1066-1072. | 1.2 | 16 |
| 67 | Results of 12 yr of Pulsar Timing at Nanshan. I.. Astrophysical Journal, 2020, 896, 140. | 4.5 | 16 |
| 68 | The effects of intense magnetic fields on Landau levels in a neutron star. Astrophysics and Space Science, 2011, 334, 281-292. | 1.4 | 15 |
| 69 | The mode switching of PSR B2020+28. Astrophysics and Space Science, 2016, 361, 1. | 1.4 | 15 |
| 70 | Pulse profiles and timing of PSR J1757â^'2421. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1234-1241. | 4.4 | 15 |
| 71 | The equilibrium equations of Bosonâ€Fermi systems in the Newtonian approximation. Astronomische Nachrichten, 2019, 340, 241-246. | 1.2 | 15 |
| 72 | Active Surface Compensation for Large Radio Telescope Antennas. International Journal of Antennas and Propagation, 2018, 2018, 1-17. | 1.2 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Dynamic modeling of the Stewart platform for the NanShan Radio Telescope. Advances in Mechanical Engineering, 2020, 12, 168781402094007. | 1.6 | 14 |
| 74 | Multiwavelength properties of a new Geminga-like pulsar: PSRâ€ƒJ2021+4026. Monthly Notices of the Royal Astronomical Society, 2010, , . | 4.4 | 13 |
| 75 | Proper motions of 15 pulsars: a comparison between Bayesian and frequentist algorithms. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4011-4017. | 4.4 | 12 |
| 76 | East Asian VLBI Network observations of active galactic nuclei jets: imaging with KaVA+Tianma+Nanshan. Research in Astronomy and Astrophysics, 2021, 21, 205. | 1.7 | 12 |
| 77 | High-accuracy same-beam VLBI observations using Shanghai and Urumqi telescopes. Science in China Series G: Physics, Mechanics and Astronomy, 2009, 52, 1858-1866. | 0.2 | 11 |
| 78 | Combination of CN(1-0), HCN(1-0), and HNC(1-0): A possible indicator for a high-mass star formation sequence in the Milky Way. Astronomy and Astrophysics, 2015, 576, A131. | 5.1 | 11 |
| 79 | Unusual Emission Variations Near the Eclipse of Black Widow Pulsar PSR J1720â^'0533. Astrophysical Journal Letters, 2021, 922, L13. | 8.3 | 11 |
| 80 | Investigations of the Ohmic Decay and the Soft X-Ray Emission of the High-braking-index Pulsar PSR J1640â^'4631. Publications of the Astronomical Society of the Pacific, 2019, 131, 054201. | 3.1 | 10 |
| 81 | Discovery of Delayed Spin-up Behavior Following Two Large Glitches in the Crab Pulsar, and the Statistics of Such Processes. Astrophysical Journal, 2020, 896, 55. | 4.5 | 10 |
| 82 | A method to obtain the wind field characteristics of super-large aperture radio telescope site based on single-point wind tower and numerical simulation. Research in Astronomy and Astrophysics, 2020, 20, 199. | 1.7 | 10 |
| 83 | A Single-pulse Study of the Subpulse Drifter PSR J1631+1252 Discovered at FAST. Astrophysical Journal, 2022, 929, 71. | 4.5 | 10 |
| 84 | The 2016 glitch in the Vela pulsar. Astrophysics and Space Science, 2019, 364, 1. | 1.4 | 9 |
| 85 | Panel Adjustment and Error Analysis for a Large Active Main Reflector Antenna by Using the Panel Adjustment Matrix. IEEE Transactions on Antennas and Propagation, 2021, 69, 6351-6363. | 5.1 | 9 |
| 86 | A Single Pulse Study of a Millisecond Pulsar PSR J0621+1002. Astrophysical Journal, 2021, 913, 67. | 4.5 | 9 |
| 87 | Observations of Bright Pulses from Pulsar B0031â€“07 at 4.82 GHz. Astrophysical Journal, 2021, 918, 57. | 4.5 | 9 |
| 88 | The Two Emission States of PSR B1534+12. Astrophysical Journal Letters, 2020, 902, L13. | 8.3 | 9 |
| 89 | Donors of Persistent Neutron-Star Low-Mass X-Ray Binaries. Publications of the Astronomical Society of the Pacific, 2012, 124, 195-203. | 3.1 | 8 |
| 90 | PHASE-RESOLVED TIMING ANALYSIS OF GRS 1915+105 IN ITS Ï•STATE. Astrophysical Journal, 2013, 767, 44. | 4.5 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | A timing view of the heartbeat state of GRS 1915+105. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1926-1933. | 4.4 | 8 |
| 92 | The minimum magnetic field of millisecond pulsars calculated according to accretion: application to the X-ray neutron star SAX J1808.4â€“3658 in a low-mass X-ray binary. Monthly Notices of the Royal Astronomical Society, 2018, 480, 692-696. | 4.4 | 8 |
| 93 | The evolution of magnetic field and spinâ€down of young pulsars. Astronomische Nachrichten, 2019, 340, 1023-1029. | 1.2 | 8 |
| 94 | Special issue on. Scientia Sinica: Physica, Mechanica Et Astronomica, 2017, 47, 059501. | 0.4 | 8 |
| 95 | Emission Variation of a Long-period Pulsar Discovered by the Five-hundred-meter Aperture Spherical Radio Telescope (FAST). Astrophysical Journal, 2022, 929, 171. | 4.5 | 8 |
| 96 | Detection of giant pulses in PSR J1047â˜’6709. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3900-3904. | 4.4 | 7 |
| 97 | Design of RFSoC-based Digital Phased Array Feed (PAF) and Hybrid Architecture Beamforming System. Research in Astronomy and Astrophysics, 2022, 22, 045016. | 1.7 | 7 |
| 98 | Multifrequency Study of Periodic Nulling and Subpulse Drifting in Pulsar J2048â˜’1616. Astrophysical Journal, 2021, 923, 259. | 4.5 | 7 |
| 99 | Determining gravitational wave radiation from close galaxy pairs using a binary population synthesis approach. Astronomy and Astrophysics, 2012, 540, A67. | 5.1 | 6 |
| 100 | Predicted values of braking indexes and second frequency derivatives for magnetars. Astronomische Nachrichten, 2014, 335, 653-659. | 1.2 | 6 |
| 101 | A new method to analyse pulsar nulling phenomenon. Science China: Physics, Mechanics and Astronomy, 2014, 57, 1600-1606. | 5.1 | 6 |
| 102 | Challenges for QTT structure. Proceedings of SPIE, 2016, , . | 0.8 | 6 |
| 103 | Discâ€“corona interaction in the heartbeat state of GRS 1915+105. Monthly Notices of the Royal Astronomical Society, 2018, 474, 1214-1224. | 4.4 | 6 |
| 104 | The diagnostic analysis of the fault coupling effects in planet bearing. Engineering Failure Analysis, 2020, 108, 104266. | 4.0 | 6 |
| 105 | Ultra-wideband receiver technology development for radio astronomical large aperture telescope. Scientia Sinica: Physica, Mechanica Et Astronomica, 2017, 47, 059504. | 0.4 | 6 |
| 106 | Luminosity distribution of fast radio bursts from CHIME/FRB Catalog 1 by means of the updated Macquart relation. Astrophysics and Space Science, 2022, 367, . | 1.4 | 6 |
| 107 | Scintillation Dynamic Spectra and Transverse Velocities of Seven Pulsars. Research in Astronomy and Astrophysics, 2001, 1, 421-432. | 1.1 | 5 |
| 108 | An Observational Study of the Strong Single Pulses of PSR J0034-0721. Chinese Astronomy and Astrophysics, 2011, 35, 37-47. | 0.3 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Wavelet based recognition for pulsar signals. Astronomy and Computing, 2015, 11, 55-63. | 1.7 | 5 |
| 110 | The role of magnetic damping in the r-mode evolution of accreting neutron stars. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1-6. | 5.1 | 5 |
| 111 | One large glitch in PSR B1737â˜’30 detected with the TMRT. Research in Astronomy and Astrophysics, 2019, 19, 073. | 1.7 | 5 |
| 112 | Development of active surface technology of large radio telescope antennas. Scientia Sinica: Physica, Mechanica Et Astronomica, 2017, 47, 059503. | 0.4 | 5 |
| 113 | Preliminary study of regulation technology of wind field distribution on QTT site based on test of equivalent wind field. Scientia Sinica: Physica, Mechanica Et Astronomica, 2019, 49, 099515. | 0.4 | 5 |
| 114 | A single pulse study of PSR J1752+2359. Research in Astronomy and Astrophysics, 2021, 21, 240. | 1.7 | 5 |
| 115 | Design of a multi-function high-speed digital baseband data acquisition system. Research in Astronomy and Astrophysics, 2021, 21, 248. | 1.7 | 5 |
| 116 | Periodic Repeating Fast Radio Bursts: Interaction between a Magnetized Neutron Star and Its Planet in an Eccentric Orbit. Astrophysical Journal, 2022, 928, 94. | 4.5 | 5 |
| 117 | Monitoring of Pulse Intensity and Mode Changing for PSR B0329+54. Research in Astronomy and Astrophysics, 2006, 6, 64-67. | 1.1 | 4 |
| 118 | Strong pulses detected from rotating radio transient J1819Ââ˜’Â1458. Astronomy and Astrophysics, 2011, 530, A67. | 5.1 | 4 |
| 119 | Strong pulses from pulsar PSR J0034-0721. Research in Astronomy and Astrophysics, 2011, 11, 974-980. | 1.7 | 4 |
| 120 | Timing noise study of four pulsars. Science China: Physics, Mechanics and Astronomy, 2012, 55, 333-338. | 5.1 | 4 |
| 121 | THE RELATIONSHIP BETWEEN THE PARTICLE INJECTION RATE AND THE DISPERSION OF THE SCATTERING ANGULAR DISTRIBUTION. Astrophysical Journal, Supplement Series, 2013, 209, 18. | 7.7 | 4 |
| 122 | Surface Shape Detection with a Single Far-Field Intensity by Combined Amplitude and Phase Retrieval. International Journal of Antennas and Propagation, 2019, 2019, 1-10. | 1.2 | 4 |
| 123 | Spin-down and emission variations for PSR J0742â˜’2822. Research in Astronomy and Astrophysics, 2021, 21, 042. | 1.7 | 4 |
| 124 | An EMC control method for large-diameter radio telescope. Scientia Sinica: Physica, Mechanica Et Astronomica, 2019, 49, 099511. | 0.4 | 4 |
| 125 | Observations of four pulsars at 327 MHz. Chinese Astronomy and Astrophysics, 1997, 21, 170-174. | 0.3 | 3 |
| 126 | A Monte Carlo Study of the Evolution of the Scale Height of Normal Pulsars in the Galaxy. Research in Astronomy and Astrophysics, 2005, 5, 610-618. | 1.1 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Observational features of pulsar glitches. Science China: Physics, Mechanics and Astronomy, 2010, 53, 3-8. | 5.1 | 3 |
| 128 | Research on the lunar ionosphere using dual-frequency radio occultation with a small VLBI antenna. Astrophysics and Space Science, 2015, 356, 225-230. | 1.4 | 3 |
| 129 | Quantified interference level limits for QTT key areas. , 2016, , . | | 3 |
| 130 | Timing irregularities of PSR J1705â€“1906. Astrophysics and Space Science, 2018, 363, 1. | 1.4 | 3 |
| 131 | Future Research Trend for Improving Large Reflector Antenna Service Performance. Engineering, 2021, 7, 1047-1047. | 6.7 | 3 |
| 132 | The potential breakthroughs of GW detection using future Chinese radio telescopes. Scientia Sinica: Physica, Mechanica Et Astronomica, 2017, 47, 059507. | 0.4 | 3 |
| 133 | Real-time position calculation method for large-diameter radio telescope panel using angle sensor. Scientia Sinica: Physica, Mechanica Et Astronomica, 2019, 49, 099506. | 0.4 | 3 |
| 134 | The study of scattering effects by VLBI observations of PSR 0329+54 with HALCA at 1650 MHz. Astrophysics and Space Science, 2001, 278, 39-42. | 1.4 | 2 |
| 135 | Hurst parameter analysis of radio pulsar timing residuals. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2678-2684. | 4.4 | 2 |
| 136 | The surface and inner temperatures of magnetars. Proceedings of the International Astronomical Union, 2012, 8, 386-388. | 0.0 | 2 |
| 137 | RECENT PROGRESS ON PULSAR OBSERVATIONS AT NANSHAN. International Journal of Modern Physics Conference Series, 2013, 23, 152-156. | 0.7 | 2 |
| 138 | EVOLUTION OF ROTATING ISOLATED COMPACT STARS. International Journal of Modern Physics Conference Series, 2013, 23, 304-308. | 0.7 | 2 |
| 139 | Energy spectral property in an isolated CME-driven shock. Research in Astronomy and Astrophysics, 2016, 16, 012. | 1.7 | 2 |
| 140 | Particle Acceleration in Two Converging Shocks<sup>âˆ—</sup>. Astrophysical Journal, 2017, 842, 74. | 4.5 | 2 |
| 141 | Correlation between pulsar glitch and emission. AIP Conference Proceedings, 2019, , . | 0.4 | 2 |
| 142 | The XinJiang Astronomical Observatory NSRT Pulsar Data Archive. Advances in Astronomy, 2019, 2019, 1-6. | 1.1 | 2 |
| 143 | Tired Light Denies the Big Bang. , 2019, , . | | 2 |
| 144 | On servo control of radio telescope: design and analysis with parametric uncertainties. , 2019, , . | | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Trends in Architecture and Middleware of Radio Telescope Control System. Advances in Astronomy, 2021, 2021, 1-10. | 1.1 | 2 |
| 146 | Review of the refurbishment project for NSRT. , 2018, , . | | 2 |
| 147 | Introduction for QTT Project. , 2019, , . | | 2 |
| 148 | An Algorithm for Mitigating Transient RFI in Pulsar Observation. Astrophysical Journal, 2021, 922, 94. | 4.5 | 2 |
| 149 | Real-time Closed-loop Active Surface Technology of a Large Radio Telescope. Publications of the Astronomical Society of the Pacific, 2022, 134, 015003. | 3.1 | 2 |
| 150 | The low emission mode in PSR B0329+54. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1906-1915. | 4.4 | 2 |
| 151 | Interstellar Scintillation of PSR J2048â^'1616. Astrophysical Journal, 2022, 927, 14. | 4.5 | 2 |
| 152 | Pulsar survey with the QiTai 110m radio telescope. Research in Astronomy and Astrophysics, 0, , . | 1.7 | 2 |
| 153 | Scintillation Observations of Strong Northern Pulsars. Astrophysics and Space Science, 2001, 278, 57-60. | 1.4 | 1 |
| 154 | Pulsar Astronomy in China. Research in Astronomy and Astrophysics, 2006, 6, 1-3. | 1.1 | 1 |
| 155 | A mathematical method for the de-dispersion of the pulsar profile. Science China: Physics, Mechanics and Astronomy, 2010, 53, 228-230. | 5.1 | 1 |
| 156 | Phase-Resolved Spectra of PSR B0525+21 and PSR B2020+28. Journal of Astrophysics and Astronomy, 2011, 32, 333-335. | 1.0 | 1 |
| 157 | A study of the strong pulses detected from PSR B0656+14 using the Urumqi 25-m radio telescope at 1540 MHz. Research in Astronomy and Astrophysics, 2012, 12, 1649-1654. | 1.7 | 1 |
| 158 | Minimum accretion rate for millisecond pulsar formation in binary system. Proceedings of the International Astronomical Union, 2012, 8, 291-292. | 0.0 | 1 |
| 159 | Short timescale intensity fluctuations of PSR B1133+16 and PSR B1237+25 due to interstellar scintillation at 1.54 GHz. Astrophysics and Space Science, 2013, 347, 327-335. | 1.4 | 1 |
| 160 | Effect of magnetic field decay on the chemical heating of cooling neutron stars. Chinese Physics C, 2013, 37, 085102. | 3.7 | 1 |
| 161 | The Relation between the Magnetic Field and Spin Period of a Millisecond Pulsar. Chinese Physics Letters, 2013, 30, 109701. | 3.3 | 1 |
| 162 | ANALYZING THE BINARY PULSARS ABOVE THE SPIN-UP LINE. International Journal of Modern Physics Conference Series, 2013, 23, 111-114. | 0.7 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Electron content near the lunar surface using dual-frequency VLBI tracking data in a single lunar orbiter mission. Research in Astronomy and Astrophysics, 2015, 15, 753-763. | 1.7 | 1 |
| 164 | Using single millisecond pulsar for terrestrial position determination. Astrophysics and Space Science, 2019, 364, 1. | 1.4 | 1 |
| 165 | Shielding Engineering Progress for the QTT Buildings. , 2019, , . | | 1 |
| 166 | Spectrum monitor system at QTT site. , 2019, , . | | 1 |
| 167 | A method of ground target positioning by observing radio pulsars. Experimental Astronomy, 2020, 49, 43-60. | 3.7 | 1 |
| 168 | The equilibrium equations of Boson-Fermi systems in the Newtonian approximation. , 2019, 340, 241. | | 1 |
| 169 | Development challenges for the Xinjiang 110 m radio telescope (QTT) high accuracy panel structures. Scientia Sinica: Physica, Mechanica Et Astronomica, 2017, 47, 059502. | 0.4 | 1 |
| 170 | Urumqi - A Pivotal VLBI node in Central Asia. , 2019, , . | | 1 |
| 171 | A Conceptual Investigation of a Large Radio Telescope Support Point Number Effect on Its Pointing Accuracy. International Journal of Antennas and Propagation, 2020, 2020, 1-16. | 1.2 | 1 |
| 172 | Simultaneous 50 cm/10 cm single-pulse polarization observations of PSR J0953+0755. Research in Astronomy and Astrophysics, 0, , . | 1.7 | 1 |
| 173 | Multi-frequency observations of PSR B 0329+54. Chinese Astronomy and Astrophysics, 2000, 24, 467-472. | 0.3 | 0 |
| 174 | Scintillation Observations of Strong Northern Pulsars. International Astronomical Union Colloquium, 2001, 182, 57-60. | 0.1 | 0 |
| 175 | Pulsar Observations in China â€“ Status and Results. Symposium - International Astronomical Union, 2003, 214, 159-162. | 0.1 | 0 |
| 176 | Timing of the Binary Pulsar B1259â€“63. Symposium - International Astronomical Union, 2004, 218, 429-430. | 0.1 | 0 |
| 177 | Pulsar Timing at Urumqi Observatory. Research in Astronomy and Astrophysics, 2006, 6, 181-184. | 1.1 | 0 |
| 178 | Searching for Radio Pulsars in 3EG Sources at Urumqi Observatory. Research in Astronomy and Astrophysics, 2006, 6, 294-297. | 1.1 | 0 |
| 179 | Autonomous navigation based on x-ray pulsar timing. , 2007, , . | | 0 |
| 180 | Pulsar glitches detected at Urumqi. Proceedings of the International Astronomical Union, 2009, 5, 228-228. | 0.0 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Statistical study of the pulse width distribution for radio pulsars. Science China: Physics, Mechanics and Astronomy, 2010, 53, 220-223. | 5.1 | 0 |
| 182 | Scintillation Velocity of PSR B0329+54. Journal of Astrophysics and Astronomy, 2011, 32, 337-338. | 1.0 | 0 |
| 183 | Search for the gravitational wave memory effect with the Parkes Pulsar Timing Array. Proceedings of the International Astronomical Union, 2012, 8, 543-545. | 0.0 | 0 |
| 184 | Mutual influence of magnetic field decay and thermal evolution of rotational neutron stars. Proceedings of the International Astronomical Union, 2012, 8, 586-588. | 0.0 | 0 |
| 185 | Seven pulsars in binary systems above the spin-up line. Proceedings of the International Astronomical Union, 2012, 8, 462-464. | 0.0 | 0 |
| 186 | VLBI astrometry of two millisecond pulsars. Proceedings of the International Astronomical Union, 2012, 8, 562-564. | 0.0 | 0 |
| 187 | On the origin of the low-frequency QPO in GRS 1915+105 Ï•state. Proceedings of the International Astronomical Union, 2012, 8, 565-567. | 0.0 | 0 |
| 188 | Rotation Measure variations for millisecond pulsars. Proceedings of the International Astronomical Union, 2012, 8, 568-570. | 0.0 | 0 |
| 189 | Pulsar timing with the DFB at Nanshan. Proceedings of the International Astronomical Union, 2012, 8, 574-576. | 0.0 | 0 |
| 190 | The relationship of electron Fermi energy with strong magnetic fields. , 2012, , . | | 0 |
| 191 | A SUMMARY OF RADIO PULSAR POLARIZATION. International Journal of Modern Physics Conference Series, 2013, 23, 174-178. | 0.7 | 0 |
| 192 | Observations of Binary and Millisecond Pulsars at Xinjiang Astronomical Observatory. Journal of Astrophysics and Astronomy, 2014, 35, 549-551. | 1.0 | 0 |
| 193 | Evolutions of magnetic field and spin-down of pulsars. AIP Conference Proceedings, 2019, , . | 0.4 | 0 |
| 194 | Beam Deviation and Pointing Correction for Shaped Dual-reflector Antennas. , 2019, , . | | 0 |
| 195 | Interpretation of no radio pulsar inside supernova 1987A: The high plasma cut-off frequency by the remnant media. New Astronomy, 2019, 69, 43-47. | 1.8 | 0 |
| 196 | Fault Tolerance for Active Surface System with Actuator Faults. Advances in Astronomy, 2021, 2021, 1-12. | 1.1 | 0 |
| 197 | The Observation of Pulsars at Urumqi Astronomical Observatory. Astrophysics and Space Science Library, 2000, , 81-88. | 2.7 | 0 |
| 198 | THE ELECTRON FRACTION AND THE FERMI ENERGY OF RELATIVISTIC ELECTRONS IN A NEUTRON STAR. Publications of the Korean Astronomical Society, 2015, 30, 569-572. | 0.0 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Development of radio backend and 110 m radio telescope backend system. Scientia Sinica: Physica, Mechanica Et Astronomica, 2017, 47, 059512. | 0.4 | 0 |
| 200 | Electromechanical Coupling Analysis of Shaped Reflector Antenna Based on Standard Discrete Parabola Set. DEStech Transactions on Computer Science and Engineering, 2019, , . | 0.1 | 0 |
| 201 | Accurate Data Match and Call Method for the Thermal Compensation Database of the Reflector Antenna. Research in Astronomy and Astrophysics, 0, , . | 1.7 | 0 |
| 202 | Simulation analysis of a method to improve data-transmission performance of Nanshan 26m Radio Telescope based on Software-Defined Networks. Research in Astronomy and Astrophysics, 2021, 21, 279. | 1.7 | 0 |
| 203 | Ultra-wide Bandwidth Observations of 19 pulsars with Parkes telescope. Research in Astronomy and Astrophysics, 0, , . | 1.7 | 0 |