

Tieshuan Fan

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

289
citations

933447

10
h-index

940533

16
g-index

30
all docs

30
docs citations

30
times ranked

285
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Diagnosing NB plasmas on the EAST tokamak with new time-of-flight neutron spectrometer. Nuclear Fusion, 2014, 54, 104008. | 3.5 | 29 |
| 2 | Status of neutron diagnostics on the experimental advanced superconducting tokamak. Review of Scientific Instruments, 2016, 87, 11D820. | 1.3 | 22 |
| 3 | Neutron emission spectroscopy of DT plasmas at enhanced energy resolution with diamond detectors. Review of Scientific Instruments, 2016, 87, 11D822. | 1.3 | 22 |
| 4 | A digital delay-line-shaping method for pulse shape discrimination in stilbene neutron detector and application to fusion neutron measurement at HL-2A tokamak. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 687, 7-13. | 1.6 | 19 |
| 5 | Response function of single crystal synthetic diamond detectors to 1-4 MeV neutrons for spectroscopy of D plasmas. Review of Scientific Instruments, 2016, 87, 11D823. | 1.3 | 18 |
| 6 | A compact stilbene crystal neutron spectrometer for EAST D-D plasma neutron diagnostics. Review of Scientific Instruments, 2013, 84, 033506. | 1.3 | 17 |
| 7 | Fast-ion velocity-space tomography using slowing-down regularization in EAST plasmas with co- and counter-current neutral beam injection. Plasma Physics and Controlled Fusion, 2020, 62, 115019. | 2.1 | 17 |
| 8 | Neutron emission spectroscopy measurements with a compact liquid scintillation detector for NBI-heated plasma at EAST. Plasma Physics and Controlled Fusion, 2018, 60, 095004. | 2.1 | 15 |
| 9 | Digital discrimination of neutrons and gamma-rays in organic scintillation detectors using moment analysis. Review of Scientific Instruments, 2012, 83, 093507. | 1.3 | 11 |
| 10 | Data acquisition system with pulse height capability for the TOFED time-of-flight neutron spectrometer. Review of Scientific Instruments, 2014, 85, 11D830. | 1.3 | 10 |
| 11 | Monte Carlo simulation of a Bonner sphere spectrometer for application to the determination of neutron field in the Experimental Advanced Superconducting Tokamak experimental hall. Review of Scientific Instruments, 2014, 85, 11E417. | 1.3 | 10 |
| 12 | Design of the radiation shielding for the time of flight enhanced diagnostics neutron spectrometer at Experimental Advanced Superconducting Tokamak. Review of Scientific Instruments, 2014, 85, 11E115. | 1.3 | 9 |
| 13 | Application of a single crystal chemical vapor deposition diamond detector for deuterium plasma neutron measurement. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 761, 28-33. | 1.6 | 9 |
| 14 | Development of the radial neutron camera system for the HL-2A tokamak. Review of Scientific Instruments, 2016, 87, 063503. | 1.3 | 9 |
| 15 | Development of gamma ray spectrometer with high energy and time resolutions on EAST tokamak. Review of Scientific Instruments, 2019, 90, 123510. | 1.3 | 9 |
| 16 | The Design and Optimization of a Neutron Time-of-Flight Spectrometer with Double Scintillators for Neutron Diagnostics on EAST. Plasma Science and Technology, 2012, 14, 675-682. | 1.5 | 8 |
| 17 | Design of a magnetic shielding system for the time of flight enhanced diagnostics neutron spectrometer at Experimental Advanced Superconducting Tokamak. Review of Scientific Instruments, 2014, 85, 11D829. | 1.3 | 8 |
| 18 | Measurement and simulation of the response function of time of flight enhanced diagnostics neutron spectrometer for beam ion studies at EAST tokamak. Review of Scientific Instruments, 2016, 87, 11D836. | 1.3 | 7 |

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|----|--|-----|-----------|
| 19 | Light output function and assembly of the time-of-flight enhanced diagnostics neutron spectrometer plastic scintillators for background reduction by double kinematic selection at EAST. Review of Scientific Instruments, 2014, 85, 11E112. | 1.3 | 6 |
| 20 | Design and optimization of an advanced time-of-flight neutron spectrometer for deuterium plasmas of the large helical device. Review of Scientific Instruments, 2021, 92, 053547. | 1.3 | 6 |
| 21 | An active Bonner sphere spectrometer capable of intense neutron field measurement. Applied Physics Letters, 2019, 114, . | 3.3 | 5 |
| 22 | Neutron emission measurement at the HL-2A tokamak device with a liquid scintillation detector. Review of Scientific Instruments, 2014, 85, 103506. | 1.3 | 4 |
| 23 | Velocity-space sensitivity of time-of-flight neutron spectrometer at EAST in deuterium plasma. Review of Scientific Instruments, 2018, 89, 10I143. | 1.3 | 4 |
| 24 | Recent Progress of Neutron Spectrometer Development for LHD Deuterium Plasmas. Plasma and Fusion Research, 2022, 17, 2402008-2402008. | 0.7 | 4 |
| 25 | Velocity-space sensitivity of the compact neutron emission spectrometers at EAST. Review of Scientific Instruments, 2018, 89, 10I141. | 1.3 | 3 |
| 26 | The First Experimental Results of Time-of-Flight Neutron Spectrometer at EAST. Journal of Fusion Energy, 2021, 40, 1. | 1.2 | 3 |
| 27 | Simulations of scattered neutrons for the time-of-flight enhanced diagnostics (TOFED) neutron spectrometer on EAST. Plasma Science and Technology, 2020, 22, 084004. | 1.5 | 3 |
| 28 | A compact stilbene crystal neutron spectrometer for NBI-heated plasma neutron diagnostics at EAST. Review of Scientific Instruments, 2021, 92, 043506. | 1.3 | 2 |
| 29 | Nuclear Data Online Services at Peking University. AIP Conference Proceedings, 2005, , . | 0.4 | 0 |
| 30 | Neutron emission and fast ion simulation for high performance long pulses at EAST. Review of Scientific Instruments, 2021, 92, 043552. | 1.3 | 0 |