

Tieshuan Fan

List of Publications by Year in descending order

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docs citations

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285
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Progress of Neutron Spectrometer Development for LHD Deuterium Plasmas. Plasma and Fusion Research, 2022, 17, 2402008-2402008.	0.7	4
2	Neutron emission and fast ion simulation for high performance long pulses at EAST. Review of Scientific Instruments, 2021, 92, 043552.	1.3	0
3	A compact stilbene crystal neutron spectrometer for NBI-heated plasma neutron diagnostics at EAST. Review of Scientific Instruments, 2021, 92, 043506.	1.3	2
4	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
5	The First Experimental Results of Time-of-Flight Neutron Spectrometer at EAST. Journal of Fusion Energy, 2021, 40, 1.	1.2	3
6	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
7	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
8	An active Bonner sphere spectrometer capable of intense neutron field measurement. Applied Physics Letters, 2019, 114, .	3.3	5
9	Development of gamma ray spectrometer with high energy and time resolutions on EAST tokamak. Review of Scientific Instruments, 2019, 90, 123510.	1.3	9
10	Velocity-space sensitivity of the compact neutron emission spectrometers at EAST. Review of Scientific Instruments, 2018, 89, 101141.	1.3	3
11	Velocity-space sensitivity of time-of-flight neutron spectrometer at EAST in deuterium plasma. Review of Scientific Instruments, 2018, 89, 101143.	1.3	4
12	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
13	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
14	Status of neutron diagnostics on the experimental advanced superconducting tokamak. Review of Scientific Instruments, 2016, 87, 11D820.	1.3	22
15	Development of the radial neutron camera system for the HL-2A tokamak. Review of Scientific Instruments, 2016, 87, 063503.	1.3	9
16	Neutron emission spectroscopy of DT plasmas at enhanced energy resolution with diamond detectors. Review of Scientific Instruments, 2016, 87, 11D822.	1.3	22
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Neutron emission measurement at the HL-2A tokamak device with a liquid scintillation detector. Review of Scientific Instruments, 2014, 85, 103506.	1.3	4
20	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
21	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
22	Diagnosing NB plasmas on the EAST tokamak with new time-of-flight neutron spectrometer. Nuclear Fusion, 2014, 54, 104008.	3.5	29
23	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
24	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
25	Application of a single crystal chemical vapor deposition diamond detector for deuteron 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
26	A compact stilbene crystal neutron spectrometer for EAST D-D plasma neutron diagnostics. Review of Scientific Instruments, 2013, 84, 033506.	1.3	17
27	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
28	Digital discrimination of neutrons and gamma-rays in organic scintillation detectors using moment analysis. Review of Scientific Instruments, 2012, 83, 093507.	1.3	11
29	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
30	Nuclear Data Online Services at Peking University. AIP Conference Proceedings, 2005, , .	0.4	0