

Wei Yan

List of Publications by Year in descending order

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41
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citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the recent experimental research on the J-TEXT tokamak. Nuclear Fusion, 2019, 59, 112016.	3.5	72
2	Designing of the massive gas injection valve for the joint Texas experimental tokamak. Review of Scientific Instruments, 2014, 85, 083504.	1.3	25
3	Design of a shattered pellet injection system on J-TEXT tokamak. Review of Scientific Instruments, 2018, 89, 10K116.	1.3	25
4	Electromagnetically induced transparency and theoretical slow light in semiconductor multiple quantum wells. Applied Physics B: Lasers and Optics, 2012, 108, 515-519.	2.2	22
5	Wideband and Low Dispersion Slow Light in Lattice-Shifted Photonic Crystal Waveguides. Journal of Lightwave Technology, 2013, 31, 3188-3194.	4.6	18
6	Upgraded high time-resolved x-ray imaging crystal spectroscopy system for J-TEXT ohmic plasmas. Review of Scientific Instruments, 2014, 85, 023509.	1.3	15
7	Electromagnetically induced transparency and slow light in a $\hat{\nu}$ -type three-level system of GaAs/AlGaAs multiple quantum wells. Journal of Modern Optics, 2012, 59, 784-788.	1.3	14
8	Temporal-spatial structures of plasmas flows and turbulence around tearing mode islands in the edge tokamak plasmas. Nuclear Fusion, 2017, 57, 126006.	3.5	14
9	Development of hard X-ray spectrometer with high time resolution on the J-TEXT tokamak. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 856, 81-85.	1.6	13
10	Suppression of runaway electrons by mode locking during disruptions on J-TEXT. Nuclear Fusion, 2018, 58, 082002.	3.5	13
11	Full suppression of runaway electron generation by the mode penetration of resonant magnetic perturbations during disruptions on J-TEXT. Plasma Physics and Controlled Fusion, 2019, 61, 024005.	2.1	13
12	Comparison of disruption mitigation from shattered pellet injection with massive gas injection on J-TEXT. Nuclear Fusion, 2021, 61, 126025.	3.5	13
13	Observation of runaway electrons by infrared camera in J-TEXT. Review of Scientific Instruments, 2016, 87, 11E113.	1.3	11
14	The behavior of runaway current in massive gas injection fast shutdown plasmas in J-TEXT. Nuclear Fusion, 2016, 56, 112013.	3.5	11
15	Response of plasma rotation to resonant magnetic perturbations in J-TEXT tokamak. Plasma Physics and Controlled Fusion, 2018, 60, 035007.	2.1	11
16	Hard X-ray spatial array diagnostics on Joint Texas Experimental Tokamak. Review of Scientific Instruments, 2014, 85, 11D845.	1.3	10
17	Suppression of runaway current generation by supersonic molecular beam injection during disruptions on J-TEXT. Plasma Physics and Controlled Fusion, 2017, 59, 085002.	2.1	9
18	Study of MHD mode and cooling process during disruptions triggered by impurities injection in J-TEXT. Nuclear Fusion, 2018, 58, 126024.	3.5	9

#	ARTICLE	IF	CITATIONS
19	Measurement of the toroidal radiation asymmetry during massive gas injection triggered disruptions on J-TEXT. Review of Scientific Instruments, 2018, 89, 10E113.	1.3	9
20	Measurement of the electron and ion temperatures by the x-ray imaging crystal spectrometer on joint Texas experimental tokamak. Review of Scientific Instruments, 2016, 87, 11E318.	1.3	8
21	The impact of an $m/n=2/1$ locked mode on the disruption process during a massive gas injection shutdown on J-TEXT. Nuclear Fusion, 2019, 59, 106027.	3.5	8
22	Tunable amplification and absorption properties in double- δ system of GaAs/AlGaAs multiple quantum wells. Science Bulletin, 2013, 58, 53-58.	1.7	7
23	Observation of multi-channel non-local transport in J-TEXT plasmas. Nuclear Fusion, 2018, 58, 044002.	3.5	6
24	Wavelength calibration of x-ray imaging crystal spectrometer on Joint Texas Experimental Tokamak. Review of Scientific Instruments, 2014, 85, 11E416.	1.3	5
25	Observation of the penetration of massive gas jet by fast frame camera on J-TEXT. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1043-1047.	2.1	5
26	Runaway current suppression by secondary massive gas injection during the disruption mitigation phase on J-TEXT. Plasma Physics and Controlled Fusion, 2019, 61, 084003.	2.1	5
27	Observation of non-local effects in ion transport channel in J-TEXT plasmas. Nuclear Fusion, 2020, 60, 064002.	3.5	5
28	Soft landing of runaway currents by ohmic field in J-TEXT tokamak. Plasma Science and Technology, 2020, 22, 115102.	1.5	5
29	Study of the fast electron behavior in electron cyclotron current driven plasma on J-TEXT. Plasma Science and Technology, 2022, 24, 064007.	1.5	5
30	Dissipation of runaway current by massive gas injection on J-TEXT. Plasma Physics and Controlled Fusion, 2020, 62, 025002.	2.1	4
31	Measurements of impurity mixing efficiency during massive gas injection in J-TEXT. Plasma Physics and Controlled Fusion, 2020, 62, 045003.	2.1	4
32	Controllable amplification, absorption, and dispersion in double-cascade-type four-level system of multiple quantum wells. Physica Status Solidi (B): Basic Research, 2013, 250, 1384-1388.	1.5	3
33	Direct and indirect intraband optical absorption due to carrier transitions from discrete levels to continuum states in quantum dot system. Applied Physics Letters, 2013, 102, .	3.3	3
34	Vertical fast electron bremsstrahlung diagnostic on J-TEXT tokamak. Review of Scientific Instruments, 2018, 89, 10F126.	1.3	3
35	The effect of resonant magnetic perturbation on the electron density threshold of runaway electron generation during disruptions on J-TEXT. Plasma Physics and Controlled Fusion, 2020, 62, 025025.	2.1	2
36	Measurement of the internal magnetic fluctuation by the transport of runaways on J-TEXT. Review of Scientific Instruments, 2016, 87, 11E304.	1.3	1

#	ARTICLE	IF	CITATIONS
37	Study of intrinsic rotation by the Gyrokinetic Electromagnetic Numerical Experiment code in the Joint Texas Experimental Tokamak. Journal of Plasma Physics, 2020, 86, .	2.1	1
38	Experimental study of the runaway current in the J-TEXT Tokamak. Journal of the Korean Physical Society, 2014, 64, 405-409.	0.7	0
39	Phenomena of non-thermal electrons from the X-ray imaging crystal spectrometer on J-TEXT tokamak. Fusion Engineering and Design, 2016, 109-111, 1096-1098.	1.9	0
40	Investigation of argon transport by X-Ray imaging crystal spectrometer on J-TEXT. Fusion Engineering and Design, 2021, 162, 112084.	1.9	0
41	First Results From Simulations of Rapid Shutdown With Neon Deposition in J-TEXT Rotating Plasmas. IEEE Transactions on Plasma Science, 2022, 50, 439-449.	1.3	0