

Cris W Barnes

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

701
citations

840776

11
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

660
citing authors

#	ARTICLE	IF	CITATIONS
1	Gated x-ray detector for the National Ignition Facility. Review of Scientific Instruments, 2006, 77, 10E308.	1.3	138
2	Nondimensional transport scaling in the Tokamak Fusion Test Reactor: Is tokamak transport Bohm or gyro-Bohm?. Physics of Fluids B, 1993, 5, 477-498.	1.7	126
3	Review of deuterium-tritium results from the Tokamak Fusion Test Reactor. Physics of Plasmas, 1995, 2, 2176-2188.	1.9	89
4	In situ calibration of TFTR neutron detectors. Review of Scientific Instruments, 1990, 61, 1900-1914.	1.3	60
5	Isotopic scaling of confinement in deuterium-tritium plasmas. Physics of Plasmas, 1995, 2, 2299-2307.	1.9	57
6	The diffusion of fast ions in Ohmic TFTR discharges. Physics of Fluids B, 1991, 3, 3167-3170.	1.7	40
7	Nuclear diagnostics for the National Ignition Facility (invited). Review of Scientific Instruments, 2001, 72, 773-779.	1.3	39
8	Cross calibration of neutron detectors for deuterium-tritium operation in TFTR. Review of Scientific Instruments, 1995, 66, 894-896.	1.3	30
9	PPPL Lorentz orbit code. Review of Scientific Instruments, 1990, 61, 3262-3264.	1.3	20
10	TFTR epithermal neutron detector system: Recalibration and effect of nonisotropic neutron emission. Review of Scientific Instruments, 1988, 59, 1682-1684.	1.3	18
11	Neutron spectroscopy on TFTR. Review of Scientific Instruments, 1988, 59, 1732-1734.	1.3	12
12	Technology risk mitigation research and development for the matter-radiation interactions in extremes (MaRIE) project. AIP Conference Proceedings, 2018, , .	0.4	10
13	High-Brightness Beam Technology Development for a Future Dynamic Mesoscale Materials Science Capability. Instruments, 2019, 3, 52.	1.8	10
14	Billion-pixel x-ray camera (BiPC-X). Review of Scientific Instruments, 2021, 92, 043708.	1.3	10
15	1987 calibration of the TFTR neutron spectrometers. Review of Scientific Instruments, 1990, 61, 2383-2395.	1.3	7
16	Diffraction imaging at large Fresnel number: Challenge of dynamic mesoscale imaging with hard x rays. Physical Review B, 2014, 89, .	3.2	7
17	Calibration of a surface barrier detector for 14-MeV neutron flux measurements on TFTR. Review of Scientific Instruments, 1988, 59, 1718-1720.	1.3	6
18	Gigahertz (GHz) hard x-ray imaging using fast scintillators. Proceedings of SPIE, 2013, , .	0.8	6

#	ARTICLE	IF	CITATIONS
19	Requirements and sensitivity analysis for temporally- and spatially-resolved thermometry using neutron resonance spectroscopy. Review of Scientific Instruments, 2019, 90, 094901.	1.3	6
20	Correlated-intensity velocimeter for arbitrary reflector for laser-produced plasma experiments. Review of Scientific Instruments, 2006, 77, 10E516.	1.3	3
21	Thin scintillators for ultrafast hard X-ray imaging. Proceedings of SPIE, 2015, , .	0.8	3
22	The science of dynamic compression at the mesoscale and the Matter-Radiation Interactions in Extremes (MaRIE) project. Journal of Physics: Conference Series, 2014, 500, 092001.	0.4	1
23	INERTIAL CONFINEMENT FUSION RESEARCH AT LOS ALAMOS NATIONAL LABORATORY. , 2009, , .		0
24	Response to "Comment on "Requirements and sensitivity analysis for temporally- and spatially-resolved thermometry using neutron resonance spectroscopy" [Rev. Sci. Instrum. 90, 094901 (2019)]. Review of Scientific Instruments, 2021, 92, 037102.	1.3	0