

Darren Craig

List of Publications by Year in descending order

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papers

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docs citations

36
times ranked

409
citing authors

#	ARTICLE	IF	CITATIONS
1	High confinement plasmas in the Madison Symmetric Torus reversed-field pinch. <i>Physics of Plasmas</i> , 2002, 9, 2061-2068.	1.9	87
2	Measurement of the Hall Dynamo Effect during Magnetic Reconnection in a High-Temperature Plasma. <i>Physical Review Letters</i> , 2004, 93, 045002.	7.8	56
3	Quasi-single helicity spectra in the Madison Symmetric Torus. <i>Physics of Plasmas</i> , 2002, 9, 2868-2871.	1.9	51
4	Momentum transport and flow damping in the reversed-field pinch plasma. <i>Physics of Plasmas</i> , 1998, 5, 3982-3985.	1.9	44
5	Momentum Transport from Nonlinear Mode Coupling of Magnetic Fluctuations. <i>Physical Review Letters</i> , 2000, 85, 3408-3411.	7.8	37
6	Observation of tearing mode deceleration and locking due to eddy currents induced in a conducting shell. <i>Physics of Plasmas</i> , 2004, 11, 2156-2171.	1.9	37
7	Overview of results from the MST reversed field pinch experiment. <i>Nuclear Fusion</i> , 2013, 53, 104017.	3.5	33
8	First charge exchange recombination spectroscopy and motional Stark effect results from the Madison Symmetric Torus reversed field pinch. <i>Review of Scientific Instruments</i> , 2001, 72, 1008-1011.	1.3	32
9	Measurements of the MHD Dynamo in the Quasi-Single-Helicity Reversed-Field Pinch. <i>Physical Review Letters</i> , 2004, 93, 235001.	7.8	29
10	High throughput spectrometer for fast localized Doppler measurements. <i>Review of Scientific Instruments</i> , 2007, 78, 013103.	1.3	28
11	Tokamak-like confinement at high beta and low field in the reversed field pinch. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, A457-A470.	2.1	27
12	Spatially Resolved Measurements of Ion Heating during Impulsive Reconnection in the Madison Symmetric Torus. <i>Physical Review Letters</i> , 2007, 98, 075001.	7.8	23
13	Transport reduction by current profile control in the reversed-field pinch. <i>Physics of Plasmas</i> , 1995, 2, 2440-2446.	1.9	22
14	Dynamo-free plasma in the reversed-field pinch: Advances in understanding the reversed-field pinch improved confinement mode. <i>Physics of Plasmas</i> , 2005, 12, 056118.	1.9	20
15	Modeling fast charge exchange recombination spectroscopy measurements from the Madison Symmetric Torus. <i>Review of Scientific Instruments</i> , 2006, 77, 10F109.	1.3	19
16	Measurement of current profile dynamics in the Madison Symmetric Torus. <i>Physics of Plasmas</i> , 2004, 11, 1079-1086.	1.9	15
17	Reduced intermittency in the magnetic turbulence of reversed field pinch plasmas. <i>Physics of Plasmas</i> , 2005, 12, 030701.	1.9	14
18	Direct removal of edge-localized pollutant emission in a near-infrared bremsstrahlung measurement. <i>Review of Scientific Instruments</i> , 2003, 74, 2107-2110.	1.3	13

#	ARTICLE	IF	CITATIONS
19	Classical confinement and outward convection of impurity ions in the MST RFP. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	12
20	Local measurements of tearing mode flows and the magnetohydrodynamic dynamo in the Madison Symmetric Torus reversed-field pinch. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	11
21	Statistical analysis of variations in impurity ion heating at reconnection events in the Madison Symmetric Torus. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	8
22	Measurements of Impurity Transport Due to Drift-Wave Turbulence in a Toroidal Plasma. <i>Physical Review Letters</i> , 2018, 121, 165002.	7.8	7
23	Plasma flow in MST: Effects of edge biasing and momentum transport from nonlinear magnetic torques. <i>European Physical Journal D</i> , 2000, 50, 1471-1476.	0.4	5
24	Role of resistivity and viscosity in the excitation of stable $m=0$ modes during the RFP sawtooth crash. <i>Physics of Plasmas</i> , 2018, 25, 112506.	1.9	5
25	Intrinsic flow and tearing mode rotation in the RFP during improved confinement. <i>Physics of Plasmas</i> , 2019, 26, 072503.	1.9	5
26	Toroidal charge exchange recombination spectroscopy measurements on MST. <i>Review of Scientific Instruments</i> , 2010, 81, 10D716.	1.3	4
27	Absolute wavelength calibration of a Doppler spectrometer with a custom Fabry-Perot optical system. <i>Review of Scientific Instruments</i> , 2016, 87, 11E509.	1.3	3
28	Magnetic and velocity fluctuations from nonlinearly coupled tearing modes in the reversed field pinch with and without the reversal surface. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	3
29	Control of magnetic fluctuations in the reversed field pinch with edge current drive. <i>Physics of Plasmas</i> , 2001, 8, 1463-1466.	1.9	2
30	Soft X-ray pulses in the reversed-field pinch. <i>IEEE Transactions on Plasma Science</i> , 2005, 33, 462-463.	1.3	2
31	Electron Bernstein wave experiment in an overdense reversed field pinch plasma. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	1
32	Behavior of Impurity Ion Velocities during the Pulsed Poloidal Current Drive in the Madison Symmetric Torus Reversed-Field Pinch. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L505-L507.	1.5	1
33	Fluctuation and transport reduction by current profile control in MST. , 1995, , .		0
34	Current profile control and fluctuation reduction in MST via electrostatic current injection. , 0, , .		0
35	Plasma Velocity Profile During The Pulsed Poloidal Current Drive In The MST RFP Plasma. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	0
36	Direct measurements of the 3D plasma velocity in single-helical-axis RFP plasmas. <i>Physics of Plasmas</i> , 2021, 28, 012510.	1.9	0