

Carlos Romero-Talamás

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of multi-pulse coaxial helicity injection in the Sustained Spheromak Physics Experiment. <i>Physics of Plasmas</i> , 2018, 25, 032503.	1.9	2
2	Numerical study and optimization of the formation and sustainment of a coaxial helicity injection spheromak. <i>Physics of Plasmas</i> , 2018, 25, 112502.	1.9	0
3	Initial results and designs of dual-filter and plenoptic imaging for high-temperature plasmas. <i>Review of Scientific Instruments</i> , 2018, 89, 10E112.	1.3	4
4	Nuclear Radiation Monitoring Using Plants. <i>Journal of Nuclear Engineering and Radiation Science</i> , 2018, 4, .	0.4	0
5	Design and experimental results of the 1-T Bitter Electromagnet Testing Apparatus (BETA). <i>Review of Scientific Instruments</i> , 2018, 89, 054704.	1.3	2
6	Adiabatic Compression of a Compact Torus. <i>Fusion Science and Technology</i> , 2017, 72, 705-712.	1.1	2
7	Design Optimization of Nested Bitter Magnets. <i>IEEE Transactions on Magnetics</i> , 2016, , 1-1.	2.1	3
8	Analytic Thermal Design of Bitter-Type Solenoids. <i>Journal of Thermal Science and Engineering Applications</i> , 2016, 8, .	1.5	4
9	Development of a Bitter-Type Magnet System. <i>IEEE Transactions on Plasma Science</i> , 2016, 44, 540-544.	1.3	3
10	DPLX: Experiment to Investigate Heating and Stability in Magnetized Rotating Dusty Plasmas. <i>IEEE Transactions on Plasma Science</i> , 2016, 44, 535-539.	1.3	11
11	100 eV electron temperatures in the Maryland centrifugal experiment observed using electron Bernstein emission. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	3
12	Sustained Spheromak Physics Experiment (SSPX): design and physics results. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 113001.	2.1	28
13	The role of the $n=1$ column mode in spheromak formation. <i>Physics of Plasmas</i> , 2009, 16, 042501.	1.9	11
14	Energy confinement and magnetic field generation in the SSPX spheromak. <i>Physics of Plasmas</i> , 2008, 15, 056112.	1.9	24
15	An ion Doppler spectrometer instrument for ion temperature and flow measurements on SSPX. <i>Review of Scientific Instruments</i> , 2008, 79, 10F535.	1.3	12
16	NIMROD resistive magnetohydrodynamic simulations of spheromak physics. <i>Physics of Plasmas</i> , 2008, 15, 032502.	1.9	19
17	Measurements and phenomenological modeling of magnetic flux buildup in spheromak plasmas. <i>Physics of Plasmas</i> , 2008, 15, 042503.	1.9	5
18	Spheromak formation and sustainment studies at the sustained spheromak physics experiment using high-speed imaging and magnetic diagnostics. <i>Physics of Plasmas</i> , 2006, 13, 022502.	1.9	15