Yasushi Ono

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9604561/publications.pdf

Version: 2024-02-01

44	1,092	623734	395702
papers	citations	14 h-index	33 g-index

44	44	44	630
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plasma heating and current sheet structure in anti-parallel magnetic reconnection. Physics of Plasmas, 2021, 28, 072101.	1.9	0
2	Double-filter high-resolution soft x-ray tomographic diagnostic for investigating electron acceleration in TS-6 reconnection merging experiments. Review of Scientific Instruments, 2021, 92, 083504.	1.3	3
3	Development of Soft X-ray Stereo Imaging System for Time-evolution Measurement of High-energy Electron Distribution. IEEJ Transactions on Fundamentals and Materials, 2021, 141, 604-605.	0.2	0
4	Reconnection heating experiments and simulations for torus plasma merging start-up. Nuclear Fusion, 2019, 59, 076025.	3.5	13
5	Investigation of fine structure formation of guide field reconnection during merging plasma startup of spherical tokamak in TS-3U. Nuclear Fusion, 2019, 59, 086041.	3.5	8
6	Effects of reconnection downstream conditions on electron parallel acceleration during the merging start-up of a spherical tokamak. Nuclear Fusion, 2019, 59, 086040.	3.5	10
7	Guest Editorial Special Issue for Selected Papers From PLASMA Conference 2017, Japan. IEEE Transactions on Plasma Science, 2019, 47, 1-1.	1.3	6
8	The Novel Reconstruction Method for Laser Interferometer with Local Measurement. Electronics and Communications in Japan, 2017, 100, 23-30.	0.5	0
9	Investigation of merging/reconnection heating during solenoid-free startup of plasmas in the MAST Spherical Tokamak. Nuclear Fusion, 2017, 57, 056037.	3.5	18
10	Overview of recent physics results from MAST. Nuclear Fusion, 2017, 57, 102007.	3.5	16
11	Experimental Study of Hall Effect on a Formation Process of an FRC by Counter-Helicity Spheromak Merging in TS-4. Plasma and Fusion Research, 2016, 11, 2401052-2401052.	0.7	4
12	Decoupling of Electron and Ion Dynamics in Driven Magnetic Reconnection in Collisionless Plasmas. Plasma and Fusion Research, 2016, 11, 1401081-1401081.	0.7	2
13	The Novel Reconstruction Method for Laser Interferometer with Local Measurement. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 535-540.	0.2	0
14	Electron and Ion Heating Characteristics during Magnetic Reconnection in the MAST Spherical Tokamak. Physical Review Letters, 2015, 115, 215004.	7.8	34
15	Physical processes of driven magnetic reconnection in collisionless plasmas: Zero guide field case. Physics of Plasmas, 2015, 22, .	1.9	19
16	2015, 22, 055708.	1.9	29
17	Numerical study of energy conversion mechanism of magnetic reconnection in the presence of high guide field. Nuclear Fusion, 2015, 55, 083014.	3.5	16
18	Ion and electron heating characteristics of magnetic reconnection in tokamak plasma merging experiments. Plasma Physics and Controlled Fusion, 2012, 54, 124039.	2.1	52

#	Article	IF	Citations
19	Low-frequency Magnetic Fluctuation Measurement during Magnetic Reconnection in Counter-helicity Plasma Merging Experiment. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 233-238.	0.2	2
20	Ion and Electron Heating Characteristics of Magnetic Reconnection in a Two Flux Loop Merging Experiment. Physical Review Letters, 2011, 107, 185001.	7.8	63
21	MHD Simulation of Dynamic Divertor by Plasmoid Ejection. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 963-964.	0.2	1
22	Three-Dimensional Localized Magnetic Reconnection in Torus Plasma Merging Device TS-4. IEEJ Transactions on Fundamentals and Materials, 2010, 130, 765-771.	0.2	1
23	Experimental Study of Three-Dimensional Localized Magnetic Reconnection by Use of Merging Torus Plasmas. IEEJ Transactions on Fundamentals and Materials, 2009, 129, 614-615.	0.2	3
24	Pile-up Type Magnetic Reconnection Experiment by Compression of Current Sheet. IEEJ Transactions on Fundamentals and Materials, 2007, 127, 660-661.	0.2	1
25	Heating Properties of Merging/ Reconnection Startup of High-Beta ST. IEEJ Transactions on Fundamentals and Materials, 2005, 125, 958-959.	0.2	0
26	Fast Magnetic Reconnection with the Current-Sheet Ejection in the TS-3 Merging Experiment. IEEJ Transactions on Fundamentals and Materials, 2004, 124, 152-157.	0.2	0
27	2. How High is the Beta Limit for STs? 2.1: Where is the Upper Limit for the High-Beta ST Operation?. Journal of Plasma and Fusion Research, 2004, 80, 921-923.	0.4	1
28	Grazing bifurcation and mode-locking in reconstructing chaotic dynamics with a leaky integrate-and-fire model. Artificial Life and Robotics, 2003, 7, 55-62.	1.2	4
29	Spontaneous and artificial generation of sheared-flow in oblate FRCs in TS-3 and 4 FRC Experiments. Nuclear Fusion, 2003, 43, 649-654.	3.5	33
30	Experimental Investigation of Driven Magnetic Reconnection in TS-3 Device.. Journal of Plasma and Fusion Research, 1999, 75, 253-262.	0.4	6
31	Laboratory Experiment of Magnetic Reconnection by Use of Merging Plasmas.. Journal of Plasma and Fusion Research, 1999, 75, 467-480.	0.4	4
32	Experimental investigation on tilt stabilizing effect of external toroidal field in low aspect ratio tokamak. Physics of Plasmas, 1997, 4, 315-322.	1.9	5
33	Study of driven magnetic reconnection in a laboratory plasma. Physics of Plasmas, 1997, 4, 1936-1944.	1.9	248
34	Experimental investigation of three-component magnetic reconnection by use of merging spheromaks and tokamaks. Physics of Plasmas, 1997, 4, 1953-1963.	1.9	114
35	Ion Acceleration and Direct Ion Heating in Three-Component Magnetic Reconnection. Physical Review Letters, 1996, 76, 3328-3331.	7.8	195
36	Experimental investigation of threeâ€dimensional magnetic reconnection by use of two colliding spheromaks. Physics of Fluids B, 1993, 5, 3691-3701.	1.7	129

#	Article	IF	Citations
37	Initial results from investigation of threeâ€dimensional magnetic reconnection in a laboratory plasma. Physics of Fluids B, 1991, 3, 2379-2386.	1.7	25
38	Experimental investigation of magnetic compression of a spheromak plasma. Physics of Fluids B, 1990, 2, 3074-3080.	1.7	6
39	Experimental Studies on the Sustainment of Splieromak Plasmas by an Inductive Drive of the Toroidal Current. IEEE Transactions on Plasma Science, 1987, 15, 418-427.	1.3	8
40	Experimental studies of the merging effect of two spheromak plasmas with parallel or anti-parallel toroidal fluxes.. IEEJ Transactions on Fundamentals and Materials, 1987, 107, 65-72.	0.2	5
41	Formation of spheromak plasmas by the induction-conduction method in a metal chamber and control of the tilting instability.. IEEJ Transactions on Fundamentals and Materials, 1986, 106, 299-306.	0.2	1
42	Studies on the formation process and the stability properties of the double-spheromak configuration in a cusp shaped magnetic field.. KakuyÅ«gÅ•KenkyÅ«, 1986, 56, 214-226.	0.1	5
43	Quasi-steady sustainment of spheromak configuration by inductively driving the toroidal current.. KakuyÅ«gÅ•KenkyÅ«, 1985, 54, 210-226.	0.1	2
44	Reconstruction of the Internal Magnetic Configuration of Two Merging Spherical Tokamak Plasmas by External Probe Measurement and <scp>MHD</scp> Simulation. IEEJ Transactions on Electrical and Electronic Engineering, 0, , .	1.4	0