

Yasushi Ono

List of Publications by Year in descending order

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44
papers

1,092
citations

623734

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395702

33
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all docs

44
docs citations

44
times ranked

630
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of driven magnetic reconnection in a laboratory plasma. <i>Physics of Plasmas</i> , 1997, 4, 1936-1944.	1.9	248
2	Ion Acceleration and Direct Ion Heating in Three-Component Magnetic Reconnection. <i>Physical Review Letters</i> , 1996, 76, 3328-3331.	7.8	195
3	Experimental investigation of three-dimensional magnetic reconnection by use of two colliding spheromaks. <i>Physics of Fluids B</i> , 1993, 5, 3691-3701.	1.7	129
4	Experimental investigation of three-component magnetic reconnection by use of merging spheromaks and tokamaks. <i>Physics of Plasmas</i> , 1997, 4, 1953-1963.	1.9	114
5	Ion and Electron Heating Characteristics of Magnetic Reconnection in a Two Flux Loop Merging Experiment. <i>Physical Review Letters</i> , 2011, 107, 185001.	7.8	63
6	Ion and electron heating characteristics of magnetic reconnection in tokamak plasma merging experiments. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 124039.	2.1	52
7	Electron and Ion Heating Characteristics during Magnetic Reconnection in the MAST Spherical Tokamak. <i>Physical Review Letters</i> , 2015, 115, 215004.	7.8	34
8	Spontaneous and artificial generation of sheared-flow in oblate FRCs in TS-3 and 4 FRC Experiments. <i>Nuclear Fusion</i> , 2003, 43, 649-654.	3.5	33
9	2015, 22, 055708.	1.9	29
10	Initial results from investigation of three-dimensional magnetic reconnection in a laboratory plasma. <i>Physics of Fluids B</i> , 1991, 3, 2379-2386.	1.7	25
11	Physical processes of driven magnetic reconnection in collisionless plasmas: Zero guide field case. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	19
12	Investigation of merging/reconnection heating during solenoid-free startup of plasmas in the MAST Spherical Tokamak. <i>Nuclear Fusion</i> , 2017, 57, 056037.	3.5	18
13	Numerical study of energy conversion mechanism of magnetic reconnection in the presence of high guide field. <i>Nuclear Fusion</i> , 2015, 55, 083014.	3.5	16
14	Overview of recent physics results from MAST. <i>Nuclear Fusion</i> , 2017, 57, 102007.	3.5	16
15	Reconnection heating experiments and simulations for torus plasma merging start-up. <i>Nuclear Fusion</i> , 2019, 59, 076025.	3.5	13
16	Effects of reconnection downstream conditions on electron parallel acceleration during the merging start-up of a spherical tokamak. <i>Nuclear Fusion</i> , 2019, 59, 086040.	3.5	10
17	Experimental Studies on the Sustainment of Splieromak Plasmas by an Inductive Drive of the Toroidal Current. <i>IEEE Transactions on Plasma Science</i> , 1987, 15, 418-427.	1.3	8
18	Investigation of fine structure formation of guide field reconnection during merging plasma startup of spherical tokamak in TS-3U. <i>Nuclear Fusion</i> , 2019, 59, 086041.	3.5	8

#	ARTICLE	IF	CITATIONS
19	Experimental investigation of magnetic compression of a spheromak plasma. Physics of Fluids B, 1990, 2, 3074-3080.	1.7	6
20	Guest Editorial Special Issue for Selected Papers From PLASMA Conference 2017, Japan. IEEE Transactions on Plasma Science, 2019, 47, 1-1.	1.3	6
21	Experimental Investigation of Driven Magnetic Reconnection in TS-3 Device.. Journal of Plasma and Fusion Research, 1999, 75, 253-262.	0.4	6
22	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
23	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
24	Studies on the formation process and the stability properties of the double-spheromak configuration in a cusp shaped magnetic field.. Kakuyō Kenkyū, 1986, 56, 214-226.	0.1	5
25	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
26	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
27	Laboratory Experiment of Magnetic Reconnection by Use of Merging Plasmas.. Journal of Plasma and Fusion Research, 1999, 75, 467-480.	0.4	4
28	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
29	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
30	Quasi-steady sustainment of spheromak configuration by inductively driving the toroidal current.. Kakuyō Kenkyū, 1985, 54, 210-226.	0.1	2
31	Decoupling of Electron and Ion Dynamics in Driven Magnetic Reconnection in Collisionless Plasmas. Plasma and Fusion Research, 2016, 11, 1401081-1401081.	0.7	2
32	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
33	MHD Simulation of Dynamic Divertor by Plasmoid Ejection. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 963-964.	0.2	1
34	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
35	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
36	Pile-up Type Magnetic Reconnection Experiment by Compression of Current Sheet. IEEJ Transactions on Fundamentals and Materials, 2007, 127, 660-661.	0.2	1

#	ARTICLE	IF	CITATIONS
37	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
38	The Novel Reconstruction Method for Laser Interferometer with Local Measurement. Electronics and Communications in Japan, 2017, 100, 23-30.	0.5	0
39	Plasma heating and current sheet structure in anti-parallel magnetic reconnection. Physics of Plasmas, 2021, 28, 072101.	1.9	0
40	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
41	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
42	Heating Properties of Merging/ Reconnection Startup of High-Beta ST. IEEJ Transactions on Fundamentals and Materials, 2005, 125, 958-959.	0.2	0
43	The Novel Reconstruction Method for Laser Interferometer with Local Measurement. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 535-540.	0.2	0
44	Reconstruction of the Internal Magnetic Configuration of Two Merging Spherical Tokamak Plasmas by External Probe Measurement and MHD Simulation. IEEJ Transactions on Electrical and Electronic Engineering, 0, , .	1.4	0