

Daichi Kobayashi

List of Publications by Year in descending order

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Collisional merging formation of a field-reversed configuration in the FAT-CM device. Nuclear Fusion, 2019, 59, 056024.	3.5	28
2	Experimental evidence for super-Alfvénic acceleration of the field-reversed configuration due to a magnetic pressure gradient. Physics of Plasmas, 2021, 28, .	1.9	20
3	Observation of self-organized FRC formation in a collisional-merging experiment. Nuclear Fusion, 2021, 61, 096032.	3.5	15
4	Internal magnetic measurement in collisional-merging process of a field-reversed configuration. Review of Scientific Instruments, 2021, 92, 053541.	1.3	8
5	Collisional Merging Process of Field-Reversed Configuration Plasmas in the FAT-CM Device. Plasma and Fusion Research, 2018, 13, 3402098-3402098.	0.7	5
6	Evaluation of Translation Velocity Control by Auxiliary Coils for the Collisional Merging Formation of FRCs by 2-D Resistive MHD Simulation. Plasma and Fusion Research, 2020, 15, 2402020-2402020.	0.7	5
7	Energy Flow in the Super Alfvénic/Sonic Collisional Merging Process of Field-Reversed Configurations. Plasma and Fusion Research, 2021, 16, 2402050-2402050.	0.7	3
8	Multi-point density measurement of a collisional merging formation process of FRCs. Review of Scientific Instruments, 2021, 92, 053544.	1.3	3
9	MHD simulation of supersonic FRC merging corrected by non-invasive magnetic measurements. Review of Scientific Instruments, 2021, 92, 053515.	1.3	3
10	Development of a tracer-containing compact-toroid injection system. Review of Scientific Instruments, 2018, 89, 101111.	1.3	2
11	Development of a fast response neutron detector for the supersonic FRC collision process. Review of Scientific Instruments, 2021, 92, 063501.	1.3	2
12	Acceleration of Magnetized Plasmoid by Pulsed Magnetic Coil. Plasma and Fusion Research, 2021, 16, 2401020-2401020.	0.7	0
13	Development of a Langmuir probe array for radial potential profile measurement in the collisional merging formation FRC. Review of Scientific Instruments, 2021, 92, 053545.	1.3	0
14	Behavior of a Tracer-Containing Compact Toroid in a Transverse Magnetic Field. Plasma and Fusion Research, 2020, 15, 2402069-2402069.	0.7	0
15	Physical vapor deposition using a coaxial ion acceleration method. Review of Scientific Instruments, 2020, 91, 095109.	1.3	0
16	Effect of Initial-Plasmoid Density Reduction on Collisional Merging Process of Field-Reversed Configurations. Plasma and Fusion Research, 2022, 17, 2402043-2402043.	0.7	0
17	Effects of Collision Velocity and Mirror Ratio on Collision/Merging Processes of Field-Reversed Configurations. Plasma and Fusion Research, 2022, 17, 2402056-2402056.	0.7	0
18	Effect of Collision Axes Offset of the Plasmoid in the Collisional Merging Process of FRC Plasma. Plasma and Fusion Research, 2022, 17, 2402068-2402068.	0.7	0