

Alberto Mariani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7408714/publications.pdf>

Version: 2024-02-01

24
papers

287
citations

1040056

9
h-index

940533

16
g-index

24
all docs

24
docs citations

24
times ranked

514
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling and theoretical understanding of the isotope effect from JET experiments in view of reliable predictions for deuterium-tritium plasmas. Plasma Physics and Controlled Fusion, 2022, 64, 054001.	2.1	9
2	Role of NBI fuelling in contributing to density peaking between the ICRH and NBI identity plasmas on JET. Nuclear Fusion, 2022, 62, 066008.	3.5	3
3	New H-mode regimes with small ELMs and high thermal confinement in the Joint European Torus. Physics of Plasmas, 2022, 29, .	1.9	21
4	Integrated modelling and multiscale gyrokinetic validation study of ETG turbulence in a JET hybrid H-mode scenario. Nuclear Fusion, 2022, 62, 086025.	3.5	11
5	Benchmark of quasi-linear models against gyrokinetic single scale simulations in deuterium and tritium plasmas for a JET high beta hybrid discharge. Nuclear Fusion, 2021, 61, 066032.	3.5	8
6	Experimental investigation and gyrokinetic simulations of multi-scale electron heat transport in JET, AUG, TCV. Nuclear Fusion, 2021, 61, 116071.	3.5	4
7	First principle-based multi-channel integrated modelling in support of the design of the Divertor Tokamak Test facility. Nuclear Fusion, 2021, 61, 116068.	3.5	25
8	MeV range particle physics studies in tokamak plasmas using gamma-ray spectroscopy. Plasma Physics and Controlled Fusion, 2020, 62, 014015.	2.1	27
9	Progress and challenges in understanding core transport in tokamaks in support to ITER operations. Plasma Physics and Controlled Fusion, 2020, 62, 014021.	2.1	25
10	Numerical analysis of the spectral broadening of the EC resonance for Gaussian beams propagating in inhomogeneous plasmas, with applications to EC H&CD in ITER. Physics of Plasmas, 2020, 27, 072509.	1.9	0
11	Generation and observation of fast deuterium ions and fusion-born alpha particles in JET D^3He plasmas with the 3-ion radio-frequency heating scenario. Nuclear Fusion, 2020, 60, 124006.	3.5	34
12	Investigation of the role of electron temperature gradient modes in electron heat transport in TCV plasmas. Nuclear Fusion, 2019, 59, 126017.	3.5	5
13	Density peaking in JET determined by fuelling or transport?. Nuclear Fusion, 2019, 59, 126030.	3.5	23
14	Gyrokinetic analysis of radial dependence and global effects on the zero particle flux condition in a TCV plasma. Plasma Physics and Controlled Fusion, 2019, 61, 064005.	2.1	8
15	Excitation Mechanism of Low- n Edge Harmonic Oscillations in Edge Localized Mode-Free, High Performance, Tokamak Plasmas. Physical Review Letters, 2019, 122, 155003.	7.8	16
16	Helical equilibrium magnetohydrodynamic flow effects on the stability properties of low- n ideal external-infernal modes in weak shear tokamak configurations. Plasma Physics and Controlled Fusion, 2019, 61, 064003.	2.1	1
17	Analytic study on low- external ideal infernal modes in tokamaks with large edge pressure gradients. Journal of Plasma Physics, 2018, 84, .	2.1	10
18	Identifying microturbulence regimes in a TCV discharge making use of physical constraints on particle and heat fluxes. Physics of Plasmas, 2018, 25, .	1.9	15

#	ARTICLE	IF	CITATIONS
19	Analytic stability criteria for edge MHD oscillations in high performance ELM free tokamak regimes. Nuclear Fusion, 2018, 58, 014002.	3.5	12
20	Characterization with microturbulence simulations of the zero particle flux condition in case of a TCV discharge showing toroidal rotation reversal. Journal of Physics: Conference Series, 2016, 775, 012007.	0.4	3
21	Assessment of the ITER electron cyclotron upper launcher capabilities in view of an optimized design. Plasma Physics and Controlled Fusion, 2015, 57, 054015.	2.1	13
22	The wave energy flux of high frequency diffracting beams in complex geometrical optics. Physics of Plasmas, 2013, 20, .	1.9	9
23	The role of electron-scale turbulence in the JET tokamak: experiments and modelling. Nuclear Fusion, 0, , .	3.5	5
24	Understanding JET-C quiescent phases with edge harmonic magnetohydrodynamic activity and comparison with behaviour under ITER-like wall conditioning. Plasma Physics and Controlled Fusion, 0, , .	2.1	0