Roberto Maurizio

List of Publications by Year
in descending order

29	698	516710 16	552781 26
papers	citations	h-index	g-index

29	29	29	746
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Results from recent detachment experiments in alternative divertor configurations on TCV. Nuclear Fusion, 2017, 57, 072008.	3.5	92
2	Overview of the TCV tokamak program: scientific progress and facility upgrades. Nuclear Fusion, 2017, 57, 102011.	3.5	52
3	Physics research on the TCV tokamak facility: from conventional to alternative scenarios and beyond. Nuclear Fusion, 2019, 59, 112023.	3.5	43
4	Scrape-off layer transport and filament characteristics in high-density tokamak regimes. Nuclear Fusion, 2020, 60, 016001.	3.5	43
5	Spectroscopic investigations of divertor detachment in TCV. Nuclear Materials and Energy, 2017, 12, 1112-1117.	1.3	41
6	Assessment of alternative divertor configurations as an exhaust solution for DEMO. Nuclear Fusion, 2020, 60, 066030.	3.5	41
7	An improved understanding of the roles of atomic processes and power balance in divertor target ion current loss during detachment. Nuclear Fusion, 2019, 59, 126038.	3.5	39
8	Divertor power load studies for attached L-mode single-null plasmas in TCV. Nuclear Fusion, 2018, 58, 016052.	3.5	36
9	Nitrogen-seeded divertor detachment in TCV L-mode plasmas. Plasma Physics and Controlled Fusion, 2020, 62, 035017.	2.1	35
10	TCV experiments towards the development of a plasma exhaust solution. Nuclear Fusion, 2017, 57, 126007.	3.5	34
11	Dependence on plasma shape and plasma fueling for small edge-localized mode regimes in TCV and ASDEX Upgrade. Nuclear Fusion, 2019, 59, 086020.	3.5	34
12	Impact of the plasma geometry on divertor power exhaust: experimental evidence from TCV and simulations with SolEdge2D and TOKAM3X. Plasma Physics and Controlled Fusion, 2018, 60, 014007.	2.1	30
13	Exploring drift effects in TCV single-null plasmas with the UEDGE code. Plasma Physics and Controlled Fusion, 2017, 59, 105004.	2.1	23
14	Dependence of the L-Mode scrape-off layer power fall-off length on the upper triangularity in TCV. Plasma Physics and Controlled Fusion, 2018, 60, 045010.	2.1	23
15	Progress toward divertor detachment on TCV within H-mode operating parameters. Plasma Physics and Controlled Fusion, 2019, 61, 065024.	2.1	18
16	Numerical assessment of the new V-shape small-angle slot divertor on DIII-D. Nuclear Fusion, 2021, 61, 116042.	3.5	17
17	Design and physics basis for the upcoming DIII-D SAS-VW campaign to quantify tungsten leakage and transport in a new slot divertor geometry. Physica Scripta, 2021, 96, 124073.	2.5	16
18	Characterisation of the properties of a negative hydrogen ion beam by several beam diagnostic techniques. Nuclear Fusion, 2016, 56, 066012.	3.5	15

#	Article	IF	Citations
19	Understanding and suppressing the near scrape-off layer heat flux feature in inboard-limited plasmas in TCV. Nuclear Fusion, 2017, 57, 126029.	3.5	15
20	H-mode scrape-off layer power width in the TCV tokamak. Nuclear Fusion, 2021, 61, 024003.	3.5	11
21	The effect of the secondary x-point on the scrape-off layer transport in the TCV snowflake minus divertor. Nuclear Fusion, 2019, 59, 016014.	3.5	10
22	Conduction-based model of the Scrape-Off Layer power sharing between inner and outer divertor in diverted low-density tokamak plasmas. Nuclear Materials and Energy, 2019, 19, 372-377.	1.3	6
23	Effect of plasma geometry on divertor heat flux spreading: MONALISA simulations and experimental results from TCV. Nuclear Materials and Energy, 2017, 12, 893-898.	1.3	5
24	Status, scientific results and technical improvements of the NBH on TCV tokamak. Fusion Engineering and Design, 2019, 146, 773-777.	1.9	5
25	Parallel convection and E Ã— B drifts in the TCV snowflake divertor and their effects on target heat-fluxes. Nuclear Fusion, 2021, 61, 046004.	3.5	5
26	Real time magnetic control of the snowflake plasma configuration in the TCV tokamak. Nuclear Fusion, 2019, 59, 126032.	3.5	4
27	Beam duct for the 1 MW neutral beam injector on TCV. Fusion Engineering and Design, 2020, 155, 111695.	1.9	3
28	Application of a two-fluid two-point model to SolEdge2D-EIRENE simulations of TCV H-mode plasma. Nuclear Materials and Energy, 2019, 18, 29-34.	1.3	1
29	Detachment in conventional and advanced double-null plasmas in TCV. Nuclear Fusion, 2021, 61, 116064.	3.5	1