

# Roberto Maurizio

## List of Publications by Year in descending order

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29  
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516710

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29  
docs citations

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times ranked

746  
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#	ARTICLE	IF	CITATIONS
1	H-mode scrape-off layer power width in the TCV tokamak. Nuclear Fusion, 2021, 61, 024003.	3.5	11
2	Parallel convection and E $\tilde{A}$ – B drifts in the TCV snowflake divertor and their effects on target heat-fluxes. Nuclear Fusion, 2021, 61, 046004.	3.5	5
3	Numerical assessment of the new V-shape small-angle slot divertor on DIII-D. Nuclear Fusion, 2021, 61, 116042.	3.5	17
4	Detachment in conventional and advanced double-null plasmas in TCV. Nuclear Fusion, 2021, 61, 116064.	3.5	1
5	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
6	Scrape-off layer transport and filament characteristics in high-density tokamak regimes. Nuclear Fusion, 2020, 60, 016001.	3.5	43
7	Beam duct for the 1 MW neutral beam injector on TCV. Fusion Engineering and Design, 2020, 155, 111695.	1.9	3
8	Assessment of alternative divertor configurations as an exhaust solution for DEMO. Nuclear Fusion, 2020, 60, 066030.	3.5	41
9	Nitrogen-seeded divertor detachment in TCV L-mode plasmas. Plasma Physics and Controlled Fusion, 2020, 62, 035017.	2.1	35
10	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
11	Status, scientific results and technical improvements of the NBH on TCV tokamak. Fusion Engineering and Design, 2019, 146, 773-777.	1.9	5
12	Real time magnetic control of the snowflake plasma configuration in the TCV tokamak. Nuclear Fusion, 2019, 59, 126032.	3.5	4
13	Physics research on the TCV tokamak facility: from conventional to alternative scenarios and beyond. Nuclear Fusion, 2019, 59, 112023.	3.5	43
14	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
15	Progress toward divertor detachment on TCV within H-mode operating parameters. Plasma Physics and Controlled Fusion, 2019, 61, 065024.	2.1	18
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Divertor power load studies for attached L-mode single-null plasmas in TCV. Nuclear Fusion, 2018, 58, 016052.	3.5	36
20	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
21	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
22	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
23	Results from recent detachment experiments in alternative divertor configurations on TCV. Nuclear Fusion, 2017, 57, 072008.	3.5	92
24	TCV experiments towards the development of a plasma exhaust solution. Nuclear Fusion, 2017, 57, 126007.	3.5	34
25	Spectroscopic investigations of divertor detachment in TCV. Nuclear Materials and Energy, 2017, 12, 1112-1117.	1.3	41
26	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
27	Exploring drift effects in TCV single-null plasmas with the UEDGE code. Plasma Physics and Controlled Fusion, 2017, 59, 105004.	2.1	23
28	Overview of the TCV tokamak program: scientific progress and facility upgrades. Nuclear Fusion, 2017, 57, 102011.	3.5	52
29	Characterisation of the properties of a negative hydrogen ion beam by several beam diagnostic techniques. Nuclear Fusion, 2016, 56, 066012.	3.5	15