

Stefano Munaretto

List of Publications by Year in descending order

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532
citing authors

#	ARTICLE	IF	CITATIONS
1	Helical equilibria and magnetic structures in the reversed field pinch and analogies to the tokamak and stellarator. Plasma Physics and Controlled Fusion, 2009, 51, 124031.	2.1	43
2	Topology and transport in the edge region of RFX-mod helical regimes. Nuclear Fusion, 2011, 51, 073002.	3.5	38
3	A 3D approach to equilibrium, stability and transport studies in RFX-mod improved regimes. Plasma Physics and Controlled Fusion, 2010, 52, 124023.	2.1	35
4	The plasma boundary in single helical axis RFP plasmas. Nuclear Fusion, 2010, 50, 035014.	3.5	32
5	Overview of the RFX fusion science program. Nuclear Fusion, 2011, 51, 094023.	3.5	29
6	DIII-D research towards establishing the scientific basis for future fusion reactors. Nuclear Fusion, 2019, 59, 112002.	3.5	23
7	Empirical scaling of the $n=2$ error field penetration threshold in tokamaks. Nuclear Fusion, 2020, 60, 086010.	3.5	19
8	Overview of the RFX-mod fusion science programme. Nuclear Fusion, 2013, 53, 104018.	3.5	17
9	Development and experimental qualification of novel disruption prevention techniques on DIII-D. Nuclear Fusion, 2021, 61, 126019.	3.5	17
10	Wall conditioning and density control in the reversed field pinch RFX-mod. Nuclear Fusion, 2013, 53, 073001.	3.5	16
11	Overview of results from the MST reversed field pinch experiment. Nuclear Fusion, 2015, 55, 104006.	3.5	16
12	RFX-mod wall conditioning by lithium pellet injection. Nuclear Fusion, 2012, 52, 023012.	3.5	15
13	Identification of multiple eigenmode growth rates in DIII-D and EAST tokamak plasmas. Nuclear Fusion, 2019, 59, 024001.	3.5	14
14	Control of 3D equilibria with resonant magnetic perturbations in MST. Plasma Physics and Controlled Fusion, 2015, 57, 104004.	2.1	13
15	Edge localized mode suppression and plasma response using mixed toroidal harmonic resonant magnetic perturbations in DIII-D. Nuclear Fusion, 2019, 59, 026012.	3.5	12
16	Identification of multiple eigenmode growth rates towards real time detection in DIII-D and KSTAR tokamak plasmas. Nuclear Fusion, 2021, 61, 056009.	3.5	12
17	Effect of resonant magnetic perturbations on three dimensional equilibria in the Madison Symmetric Torus reversed-field pinch. Physics of Plasmas, 2016, 23, 056104.	1.9	10
18	Subdominant modes and optimization trends of DIII-D reverse magnetic shear configurations. Nuclear Fusion, 2019, 59, 046017.	3.5	10

#	ARTICLE	IF	CITATIONS
19	Beam modulation and bump-on-tail effects on Alfvén eigenmode stability in DIII-D. Nuclear Fusion, 2021, 61, 066028.	3.5	10
20	Modal analysis of the full poloidal structure of the plasma response to $n=2$ magnetic perturbations. Physics of Plasmas, 2018, 25, 072509.	1.9	9
21	Generation and suppression of runaway electrons in MST tokamak plasmas. Nuclear Fusion, 2020, 60, 046024.	3.5	9
22	Analysis of the interaction between plasmas and the graphite first wall in RFX-mod. Journal of Nuclear Materials, 2011, 415, S274-S277.	2.7	8
23	NSTX-U theory, modeling and analysis results. Nuclear Fusion, 2022, 62, 042023.	3.5	8
24	Ideal MHD Limited Electron Temperature in Spherical Tokamaks. Physical Review Letters, 2022, 128, .	7.8	7
25	Light impurity transport studies with solid pellet injections in the RFX-mod reversed-field pinch. Plasma Physics and Controlled Fusion, 2015, 57, 025006.	2.1	6
26	Flow Measurements in the Edge Region of the RFX-Mod Experiment. Contributions To Plasma Physics, 2010, 50, 824-829.	1.1	5
27	Tearing mode dynamics and locking in the presence of external magnetic perturbations. Physics of Plasmas, 2016, 23, .	1.9	4
28	Error field impact on mode locking and divertor heat flux in NSTX-U. Nuclear Fusion, 2019, 59, 086021.	3.5	4
29	Assessment of equilibrium field coil misalignments on the divertor footprints in NSTX-U. Nuclear Fusion, 2019, 59, 076039.	3.5	4
30	Modeling plasma toroidal flow profile control via NTV torque with $n = 2$ 3D fields in MAST-U. Nuclear Fusion, 2020, 60, 096026.	3.5	4
31	Controlling the size of non-axisymmetric magnetic footprints using resonant magnetic perturbations. Nuclear Fusion, 2022, 62, 026018.	3.5	4
32	Robustness of the tokamak error field correction tolerance scaling. Plasma Physics and Controlled Fusion, 2020, 62, 084001.	2.1	3
33	Optimizing the differential connection schemes for detecting 3D magnetic perturbations in DIII-D. Review of Scientific Instruments, 2021, 92, 073504.	1.3	3
34	Computational study of runaway electrons in MST tokamak discharges with applied resonant magnetic perturbation. Physics of Plasmas, 2022, 29, .	1.9	3
35	Physics and optimization of plasma startup in the RFP. Nuclear Fusion, 2015, 55, 053004.	3.5	2
36	Measurements of DIII-D poloidal field by fiber-optic pulsed polarimetry. Review of Scientific Instruments, 2018, 89, 10J102.	1.3	2

#	ARTICLE	IF	CITATIONS
37	Conceptual design of extended magnetic probe set to improve 3D field detection in NSTX-U. Review of Scientific Instruments, 2018, 89, 101108.	1.3	0
38	Electromagnetic torque measurements in DIII-D using internal/external magnetic field decomposition. Review of Scientific Instruments, 2021, 92, 043516.	1.3	0
39	NSTX-U theory, modeling and analysis results. Nuclear Fusion, 0, , .	3.5	0