

Piergiorgio Sonato

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

408
citations

933447

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940533

16
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16
all docs

16
docs citations

16
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine modification for active MHD control in RFX. Fusion Engineering and Design, 2003, 66-68, 161-168.	1.9	193
2	Conceptual design of the DEMO neutral beam injectors: main developments and R&D achievements. Nuclear Fusion, 2017, 57, 056026.	3.5	46
3	Active MHD control at high currents in RFX-mod. Nuclear Fusion, 2007, 47, 783-791.	3.5	39
4	Design concepts of machine upgrades for the RFX-mod experiment. Fusion Engineering and Design, 2017, 123, 59-62.	1.9	21
5	Progress in EU-DEMO in-vessel components integration. Fusion Engineering and Design, 2017, 124, 562-566.	1.9	20
6	Design of a new toroidal shell and support structure for RFX. Fusion Engineering and Design, 2002, 63-64, 461-466.	1.9	18
7	Conceptual design of a neutral beam heating & current drive system for DTT. Fusion Engineering and Design, 2019, 146, 441-446.	1.9	13
8	Initial port integration concept for EC and NB systems in EU DEMO tokamak. Fusion Engineering and Design, 2019, 146, 1642-1646.	1.9	12
9	Review of the Innovative H&CD Designs and the Impact of Their Configurations on the Performance of the EU DEMO Fusion Power Plant Reactor. IEEE Transactions on Plasma Science, 2018, 46, 1633-1640.	1.3	11
10	Detailed design of the RFX-mod2 machine load assembly. Fusion Engineering and Design, 2018, 136, 1605-1613.	1.9	10
11	Heating & current drive efficiencies, TBR and RAMI considerations for DEMO. Fusion Engineering and Design, 2017, 123, 495-499.	1.9	7
12	Optics and Thermomechanical Analysis of the Accelerator for the DEMO Neutral Beam Injector. IEEE Transactions on Plasma Science, 2018, 46, 1648-1652.	1.3	6
13	Sensitivity of fast ion losses to magnetic perturbations in the European DEMO. Fusion Engineering and Design, 2019, 146, 1615-1619.	1.9	5
14	Vacuum boundary modifications of the RFX-mod machine. Fusion Engineering and Design, 2016, 109-111, 777-783.	1.9	3
15	Estimate of 3D power wall loads due to Neutral Beam Injection in EU DEMO ramp-up phase. Nuclear Materials and Energy, 2019, 18, 188-192.	1.3	3
16	Water Chemistry in Fusion Cooling Systems: Borated Water for DTT Vacuum Vessel. IEEE Transactions on Plasma Science, 2022, 50, 4287-4291.	1.3	1