

Piergiorgio Sonato

List of Publications by Year in descending order

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445
citing authors

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