

Fabio Pollastrone

List of Publications by Year in descending order

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papers

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33
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33
docs citations

33
times ranked

130
citing authors

#	ARTICLE	IF	CITATIONS
1	A microwave interferometer for small and tenuous plasma density measurements. Review of Scientific Instruments, 2013, 84, 033505.	1.3	40
2	The laser in vessel viewing system (IVVS) for iter: Test results on first wall and divertor samples and new developments. Fusion Engineering and Design, 2007, 82, 2021-2028.	1.9	20
3	IVVS actuating system compatibility test to ITER gamma radiation conditions. Fusion Engineering and Design, 2013, 88, 2084-2087.	1.9	18
4	Iter in vessel viewing system design and assessment activities. Fusion Engineering and Design, 2011, 86, 1954-1957.	1.9	15
5	Parallel hardware implementation of RADAR electronics equipment for a LASER inspection system. IEEE Transactions on Nuclear Science, 2005, 52, 2741-2748.	2.0	13
6	Advanced digital processing for amplitude and range determination in optical RADAR systems [fusion reactor inspection]. IEEE Transactions on Nuclear Science, 2002, 49, 417-422.	2.0	11
7	FPGA Code for the Data Acquisition and Real-Time Processing Prototype of the ITER Radial Neutron Camera. IEEE Transactions on Nuclear Science, 2019, 66, 1318-1323.	2.0	10
8	AM laser system (IVVS) for the ITER in vessel viewing and ranging. Fusion Engineering and Design, 2003, 69, 169-175.	1.9	9
9	Hardware architecture of the data acquisition and processing system for the JET Neutron Camera Upgrade (NCU) project. Fusion Engineering and Design, 2017, 123, 873-876.	1.9	9
10	High-Priority Prototype Testing in Support of System-Level Design Development of the ITER Radial Neutron Camera. IEEE Transactions on Plasma Science, 2018, 46, 1291-1297.	1.3	8
11	Experimental result of the laser in vessel viewing and ranging system (IVVS) for ITER. Fusion Engineering and Design, 2005, 75-79, 613-618.	1.9	6
12	The upgraded laser in vessel viewing system (IVVS) for ITER. Fusion Engineering and Design, 2009, 84, 224-228.	1.9	6
13	Erosion evaluation capability of the IVVS for ITER applications. Fusion Engineering and Design, 2014, 89, 2325-2330.	1.9	5
14	Real-Time Data Compression for Data Acquisition Systems Applied to the ITER Radial Neutron Camera. IEEE Transactions on Nuclear Science, 2019, 66, 1324-1329.	2.0	5
15	Fully Digital implementation of a high dynamic fast Vector Voltmeter. , 2009, , .		3
16	Automatic pattern recognition on electrical signals applied to neutron gamma discrimination. Fusion Engineering and Design, 2017, 123, 969-974.	1.9	3
17	A clustering algorithm for scintillator signals applied to neutron and gamma patterns identification. Fusion Engineering and Design, 2019, 146, 2110-2114.	1.9	3
18	The In-Vessel 3D Inspection System For ITER. , 2007, , .		2

#	ARTICLE	IF	CITATIONS
19	FTU bolometer electronic system upgrade. Fusion Engineering and Design, 2013, 88, 1441-1444.	1.9	2
20	Design for the upgrade of the Fast Sequence Control for Frascati Tokamak Upgrade. , 2015, , .		2
21	Basic concepts and implementation strategy of the plasma discharge command sequencer for FTU Tokamak. Fusion Engineering and Design, 2017, 123, 559-563.	1.9	2
22	Linux device driver for Radial Neutron Camera in view of ITER long pulses with variable data throughput. Fusion Engineering and Design, 2019, 146, 1698-1702.	1.9	2
23	Instrumentation, control and data acquisition system with multiple configurations for test in nuclear environment. Fusion Engineering and Design, 2015, 96-97, 873-877.	1.9	1
24	Test results for triple-modulation radar electronics with improved range disambiguation. Fusion Engineering and Design, 2015, 96-97, 912-916.	1.9	1
25	Fully digital intensity modulated LIDAR. Defence Technology, 2016, 12, 290-296.	4.2	1
26	Contribution of random noise in the ITER RNC diamond neutron detectors pulses to the counting rate uncertainty. Fusion Engineering and Design, 2019, 146, 1454-1458.	1.9	1
27	Upgraded concepts and design of an in vessel inspection system for fusion reactors. Fusion Engineering and Design, 2019, 146, 2277-2280.	1.9	1
28	Status of the design refinement and the characterisation of the in Vessel Viewing system for ITER. , 2013, , .		0
29	IWS probe mechanical concept design. Fusion Engineering and Design, 2015, 98-99, 1597-1600.	1.9	0
30	A plasma discharge fast control system for large fusion reactors. , 2017, , .		0
31	A new electronic system prototype for bolometric diagnostic based on metal foils on FTU device. Journal of Instrumentation, 2020, 15, C01020-C01020.	1.2	0
32	Radiation Tolerant 3D Laser Scanner for Structural Inspections in Nuclear Reactor Vessels and Fuel Storage Pools. Science and Technology of Nuclear Installations, 2021, 2021, 1-7.	0.8	0
33	Application of quantum cascade laser to rapid detection of food adulteration. , 2021, , .		0