

Fabio Pollastrone

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Application of quantum cascade laser to rapid detection of food adulteration. , 2021, , .		0
3	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
4	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
5	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
6	Upgraded concepts and design of an in vessel inspection system for fusion reactors. Fusion Engineering and Design, 2019, 146, 2277-2280.	1.9	1
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	A clustering algorithm for scintillator signals applied to neutron and gamma patterns identification. Fusion Engineering and Design, 2019, 146, 2110-2114.	1.9	3
9	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
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	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
12	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
13	Automatic pattern recognition on electrical signals applied to neutron gamma discrimination. Fusion Engineering and Design, 2017, 123, 969-974.	1.9	3
14	A plasma discharge fast control system for large fusion reactors. , 2017, , .		0
15	Fully digital intensity modulated LIDAR. Defence Technology, 2016, 12, 290-296.	4.2	1
16	Design for the upgrade of the Fast Sequence Control for Frascati Tokamak Upgrade. , 2015, , .		2
17	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
18	Test results for triple-modulation radar electronics with improved range disambiguation. Fusion Engineering and Design, 2015, 96-97, 912-916.	1.9	1

#	ARTICLE	IF	CITATIONS
19	IVVS probe mechanical concept design. Fusion Engineering and Design, 2015, 98-99, 1597-1600.	1.9	0
20	Erosion evaluation capability of the IVVS for ITER applications. Fusion Engineering and Design, 2014, 89, 2325-2330.	1.9	5
21	IVVS actuating system compatibility test to ITER gamma radiation conditions. Fusion Engineering and Design, 2013, 88, 2084-2087.	1.9	18
22	A microwave interferometer for small and tenuous plasma density measurements. Review of Scientific Instruments, 2013, 84, 033505.	1.3	40
23	Status of the design refinement and the characterisation of the in Vessel Viewing system for ITER. , 2013, , .		0
24	FTU bolometer electronic system upgrade. Fusion Engineering and Design, 2013, 88, 1441-1444.	1.9	2
25	Iter in vessel viewing system design and assessment activities. Fusion Engineering and Design, 2011, 86, 1954-1957.	1.9	15
26	Fully Digital implementation of a high dynamic fast Vector Voltmeter. , 2009, , .		3
27	The upgraded laser in vessel viewing system (IVVS) for ITER. Fusion Engineering and Design, 2009, 84, 224-228.	1.9	6
28	The In-Vessel 3D Inspection System For ITER. , 2007, , .		2
29	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
30	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
31	Parallel hardware implementation of RADAR electronics equipment for a LASER inspection system. IEEE Transactions on Nuclear Science, 2005, 52, 2741-2748.	2.0	13
32	AM laser system (IVVS) for the ITER in vessel viewing and ranging. Fusion Engineering and Design, 2003, 69, 169-175.	1.9	9
33	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