

# Juan Manuel Lopez Navarro

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

603  
citations

687220

13  
h-index

610775

24  
g-index

38  
all docs

38  
docs citations

38  
times ranked

710  
citing authors

#	ARTICLE	IF	CITATIONS
1	On-board wet road surface identification using tyre/road noise and Support Vector Machines. Applied Acoustics, 2014, 76, 407-415.	1.7	96
2	Results of the JET real-time disruption predictor in the ITER-like wall campaigns. Fusion Engineering and Design, 2013, 88, 1228-1231.	1.0	78
3	Deep Learning Approaches for Detecting Freezing of Gait in Parkinson's Disease Patients through On-Body Acceleration Sensors. Sensors, 2020, 20, 1895.	2.1	62
4	Development of an efficient real-time disruption predictor from scratch on JET and implications for ITER. Nuclear Fusion, 2013, 53, 113001.	1.6	52
5	Automatic Resting Tremor Assessment in Parkinson's Disease Using Smartwatches and Multitask Convolutional Neural Networks. Sensors, 2021, 21, 291.	2.1	43
6	ITER fast plant system controller prototype based on ATCA platform. Fusion Engineering and Design, 2012, 87, 2024-2029.	1.0	35
7	A Digital Signal Processor Based Acoustic Sensor for Outdoor Noise Monitoring in Smart Cities. Sensors, 2020, 20, 605.	2.1	24
8	ITER Fast Plant System Controller prototype based on PXIe platform. Fusion Engineering and Design, 2012, 87, 2030-2035.	1.0	23
9	ITER prototype fast plant system controller. Fusion Engineering and Design, 2011, 86, 556-560.	1.0	22
10	Implementation of Intelligent Data Acquisition Systems for Fusion Experiments Using EPICS and FlexRIO Technology. IEEE Transactions on Nuclear Science, 2013, 60, 3446-3453.	1.2	22
11	Implementation of the Disruption Predictor APODIS in JET's Real-Time Network Using the MARTE Framework. IEEE Transactions on Nuclear Science, 2014, 61, 741-744.	1.2	21
12	Occupational Risk Prevention through Smartwatches: Precision and Uncertainty Effects of the Built-In Accelerometer. Sensors, 2018, 18, 3805.	2.1	16
13	A New Generation of Real-Time Systems in the JET Tokamak. IEEE Transactions on Nuclear Science, 2014, 61, 711-719.	1.2	13
14	Real Time Plasma Disruptions Detection in JET Implemented With the ITMS Platform Using FPGA Based IDAQ. IEEE Transactions on Nuclear Science, 2011, 58, 1576-1581.	1.2	12
15	Engineering Design of ITER Prototype Fast Plant System Controller. IEEE Transactions on Nuclear Science, 2011, 58, 1439-1446.	1.2	11
16	Data reduction in the ITMS system through a data acquisition model with self-adaptive sampling rate. Fusion Engineering and Design, 2008, 83, 358-362.	1.0	10
17	Assessment of Residents' Exposure to Leisure Noise in Mlaga (Spain). Environments - MDPI, 2018, 5, 134.	1.5	9
18	Self-adaptive sampling rate data acquisition in JET's correlation reflectometer. Review of Scientific Instruments, 2008, 79, 10F336.	0.6	6

#	ARTICLE	IF	CITATIONS
19	IEEE 1588 clock distribution for FlexRIO devices in PXIe platforms. Fusion Engineering and Design, 2014, 89, 652-657.	1.0	6
20	Implementation of local area network extension for instrumentation standard trigger capabilities in advanced data acquisition platforms. Review of Scientific Instruments, 2008, 79, 10F335.	0.6	5
21	Service-oriented architecture of adaptive, intelligent data acquisition and processing systems for long-pulse fusion experiments. Fusion Engineering and Design, 2010, 85, 274-279.	1.0	5
22	Evaluation of noise environments during daily activities of university students. International Journal of Occupational Safety and Ergonomics, 2016, 22, 274-278.	1.1	5
23	Configuration and supervision of advanced distributed data acquisition and processing systems for long pulse experiments using JINI technology. Fusion Engineering and Design, 2009, 84, 832-836.	1.0	4
24	Non-Invasive Estimation of Machining Parameters during End-Milling Operations Based on Acoustic Emission. Sensors, 2020, 20, 5326.	2.1	4
25	NetCDF based data archiving system applied to ITER Fast Plant System Control prototype. Fusion Engineering and Design, 2012, 87, 2223-2228.	1.0	3
26	A GPU-based real time high performance computing service in a fast plant system controller prototype for ITER. Fusion Engineering and Design, 2012, 87, 2152-2155.	1.0	3
27	Exploiting Graphic Processing Units Parallelism to Improve Intelligent Data Acquisition System Performance in JET's Correlation Reflectometer. IEEE Transactions on Nuclear Science, 2011, 58, 1714-1718.	1.2	2
28	Implementation of intelligent data acquisition systems for fusion experiment using EPICS and FlexRIO technology. , 2012, , .		2
29	Analysis and initial design of bidirectional acoustic tag modulation schemes and communication protocol. , 2021, , .		2
30	Improved Estimation of End-Milling Parameters from Acoustic Emission Signals Using a Microphone Array Assisted by AI Modelling. Sensors, 2022, 22, 3807.	2.1	2
31	Real-time remote diagnostic monitoring test-bed in JET. Fusion Engineering and Design, 2010, 85, 598-602.	1.0	1
32	A versatile trigger and synchronization module with IEEE1588 capabilities and EPICS support. Fusion Engineering and Design, 2010, 85, 340-344.	1.0	1
33	Sleep-Wake Cycle and EEG-Based Biomarkers during Late Neonate to Adult Transition. Brain Sciences, 2021, 11, 298.	1.1	1
34	Miniaturised bidirectional acoustic tag to enhance marine animal tracking studies. , 2021, , .		1
35	Sleep-Wake Cycle and EEG-Based Biomarkers during Neonate to Adult Transition in C57BL/6 Mice. Proceedings (mdpi), 2020, 71, .	0.2	1
36	Design of an advanced intelligent instrument with waveform recognition based on the ITMS platform. International Journal of Nuclear Knowledge Management, 2010, 4, 10.	0.3	0

#	ARTICLE	IF	CITATIONS
37	Estimating Facial Neuromotor Activity from sEMG and Accelerometry for Speech Articulation. , 2018, , .		0
38	DESIGN OF AN ADVANCED INTELLIGENT INSTRUMENT WITH WAVEFORM RECOGNITION BASED ON THE ITMS PLATFORM. , 2008, , .		0