

# JesÃ³s Vega

## List of Publications by Year in descending order

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226  
papers

2,266  
citations

304743

22  
h-index

361022

35  
g-index

228  
all docs

228  
docs citations

228  
times ranked

1181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the TJ-II stellarator research programme towards model validation in fusion plasmas. Nuclear Fusion, 2022, 62, 042025.	3.5	9
2	Considerations on Stellarator's Optimization from the Perspective of the Energy Confinement Time Scaling Laws. Applied Sciences (Switzerland), 2022, 12, 2862.	2.5	2
3	Disruption prediction with artificial intelligence techniques in tokamak plasmas. Nature Physics, 2022, 18, 741-750.	16.7	25
4	Acceleration of an Algorithm Based on the Maximum Likelihood Bolometric Tomography for the Determination of Uncertainties in the Radiation Emission on JET Using Heterogeneous Platforms. Applied Sciences (Switzerland), 2022, 12, 6798.	2.5	7
5	Nuclear Fusion Pattern Recognition by Ensemble Learning. Complexity, 2021, 2021, 1-9.	1.6	2
6	Scaling laws of the energy confinement time in stellarators without renormalization factors. Nuclear Fusion, 2021, 61, 096036.	3.5	3
7	PHAD: a phase-oriented disruption prediction strategy for avoidance, prevention, and mitigation in JET. Nuclear Fusion, 2021, 61, 116055.	3.5	11
8	Automatic recognition of plasma relevant events: Implications for ITER. Fusion Engineering and Design, 2020, 156, 111638.	1.9	1
9	Automatic Recognition of Anomalous Patterns in Discharges by Applying Deep Learning. Fusion Science and Technology, 2020, 76, 925-932.	1.1	3
10	Data driven theory for knowledge discovery in the exact sciences with applications to thermonuclear fusion. Scientific Reports, 2020, 10, 19858.	3.3	6
11	Smart decimation method for fusion research data. Fusion Engineering and Design, 2020, 159, 111814.	1.9	1
12	Automatic recognition of anomalous patterns in discharges by recurrent neural networks. Fusion Engineering and Design, 2020, 154, 111495.	1.9	8
13	Advances in the physics studies for the JT-60SA tokamak exploitation and research plan. Plasma Physics and Controlled Fusion, 2020, 62, 014009.	2.1	18
14	A linear equation based on signal increments to predict disruptive behaviours and the time to disruption on JET. Nuclear Fusion, 2020, 60, 026001.	3.5	11
15	On the transfer of adaptive predictors between different devices for both mitigation and prevention of disruptions. Nuclear Fusion, 2020, 60, 056003.	3.5	24
16	A methodology to standardize the development of FPGA-based high-performance DAQ and processing systems using OpenCL. Fusion Engineering and Design, 2020, 155, 111561.	1.9	8
17	Summary report of the 3rd IAEA technical meeting on fusion data processing validation and analysis (FDPVA). Nuclear Fusion, 2020, 60, 097002.	3.5	0
18	Assessment of linear disruption predictors using JT-60U data. Fusion Engineering and Design, 2019, 146, 1291-1294.	1.9	7

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19	Adaptive learning for disruption prediction in non-stationary conditions. Nuclear Fusion, 2019, 59, 086037.	3.5	27
20	A multidimensional linear model for disruption prediction in JET. Fusion Engineering and Design, 2019, 146, 2393-2396.	1.9	5
21	OpenCL Implementation of an Adaptive Disruption Predictor Based on a Probabilistic Venn Classifier. IEEE Transactions on Nuclear Science, 2019, 66, 1007-1013.	2.0	2
22	Data model implementation in ITER data archiving system. Fusion Engineering and Design, 2019, 146, 1903-1906.	1.9	6
23	Viability Assessment of a Cross-Tokamak AUG-JET Disruption Predictor. Fusion Science and Technology, 2018, 74, 13-22.	1.1	10
24	Adaptive predictors based on probabilistic SVM for real time disruption mitigation on JET. Nuclear Fusion, 2018, 58, 056002.	3.5	44
25	Software parallelization of a probabilistic classifier based on Venn Prediction: Application to the TJ-II Thomson Scattering. Fusion Engineering and Design, 2018, 129, 130-133.	1.9	0
26	On the potential of ruled-based machine learning for disruption prediction on JET. Fusion Engineering and Design, 2018, 130, 62-68.	1.9	10
27	Real-time implementation with FPGA-based DAQ system of a probabilistic disruption predictor from scratch. Fusion Engineering and Design, 2018, 129, 179-182.	1.9	2
28	Image classification by using a reduced set of features in the TJ-II Thomson Scattering diagnostic. Fusion Engineering and Design, 2018, 129, 99-103.	1.9	1
29	Real-Time Implementation in JET of the SPAD Disruption Predictor Using MARTe. IEEE Transactions on Nuclear Science, 2018, 65, 836-842.	2.0	14
30	Applying Deep Learning for Improving Image Classification in Nuclear Fusion Devices. IEEE Access, 2018, 6, 72345-72356.	4.2	5
31	Adaboost classification of TJ-II Thomson Scattering images. Fusion Engineering and Design, 2017, 123, 759-763.	1.9	5
32	Determining the prediction limits of models and classifiers with applications for disruption prediction in JET. Nuclear Fusion, 2017, 57, 016024.	3.5	4
33	Real time control developments at JET in preparation for deuterium-tritium operation. Fusion Engineering and Design, 2017, 123, 535-540.	1.9	7
34	Unsupervised Event Characterization and Detection in Multichannel Signals: An EEG application. Sensors, 2016, 16, 590.	3.8	8
35	Automatic feature extraction in large fusion databases by using deep learning approach. Fusion Engineering and Design, 2016, 112, 979-983.	1.9	26
36	New analysis methods to push the boundaries of diagnostic techniques in the environmental sciences. Journal of Instrumentation, 2016, 11, C04019-C04019.	1.2	1

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37	Review of disruption predictors in nuclear fusion: Classical, from scratch and anomaly detection approaches. , 2016, , .		3
38	High performance image acquisition and processing architecture for fast plant system controllers based on FPGA and GPU. Fusion Engineering and Design, 2016, 112, 957-960.	1.9	9
39	Advanced Data Acquisition System Implementation for the ITER Neutron Diagnostic Use Case Using EPICS and FlexRIO Technology on a PXIe Platform. IEEE Transactions on Nuclear Science, 2016, 63, 1063-1069.	2.0	19
40	A Metric to Improve the Robustness of Conformal Predictors in the Presence of Error Bars. Lecture Notes in Computer Science, 2016, , 105-115.	1.3	1
41	Implementation of an image acquisition and processing system based on FlexRIO, CameraLink and areaDetector. Fusion Engineering and Design, 2016, 112, 937-941.	1.9	4
42	A support vector machine approach to the automatic identification of fluorescence spectra emitted by biological agents. , 2016, , .		3
43	Global optimization driven by genetic algorithms for disruption predictors based on APODIS architecture. Fusion Engineering and Design, 2016, 112, 1014-1018.	1.9	6
44	Unsupervised event detection and classification of multichannel signals. Expert Systems With Applications, 2016, 54, 294-303.	7.6	4
45	Hardware Timestamping for an Image Acquisition System Based on FlexRIO and IEEE 1588 v2 Standard. IEEE Transactions on Nuclear Science, 2016, 63, 228-235.	2.0	11
46	3D virtual world remote laboratory to assist in designing advanced user defined DAQ systems based on FlexRIO and EPICS. Fusion Engineering and Design, 2016, 112, 1059-1062.	1.9	6
47	Advanced Disruption Predictor Based On The Locked Mode Signal: Application To Jet. , 2016, , .		3
48	Conformal Prediction of Disruptions from Scratch: Application to an ITER Scenario. Lecture Notes in Computer Science, 2016, , 67-74.	1.3	0
49	Disruption precursor detection: Combining the time and frequency domains. , 2015, , .		13
50	Data archiving system implementation in ITER's CODAC Core System. Fusion Engineering and Design, 2015, 96-97, 751-755.	1.9	15
51	Initial results with time series forecasting of TJ-II heliac waveforms. Fusion Engineering and Design, 2015, 96-97, 777-781.	1.9	0
52	A high throughput data acquisition and processing model for applications based on GPUs. Fusion Engineering and Design, 2015, 96-97, 895-898.	1.9	8
53	Feature selection for disruption prediction from scratch in JET by using genetic algorithms and probabilistic predictors. Fusion Engineering and Design, 2015, 96-97, 907-911.	1.9	3
54	Advanced signal processing based on support vector regression for lidar applications. , 2015, , .		2

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55	RIO EPICS device support application case study on an ion source control system (ISHP). Fusion Engineering and Design, 2015, 96-97, 927-931.	1.9	2
56	Development of a rapid method for the automatic classification of biological agents' fluorescence spectral signatures. Optical Engineering, 2015, 54, 114105.	1.0	7
57	Simulations of nuclear fusion diagnostics based on projections with Venn predictors and context drift detection. Annals of Mathematics and Artificial Intelligence, 2015, 74, 223-247.	1.3	1
58	Preliminary numerical investigations of conformal predictors based on fuzzy logic classifiers. Annals of Mathematics and Artificial Intelligence, 2015, 74, 155-180.	1.3	3
59	Computationally Efficient Five-Class Image Classifier Based on Venn Predictors. Lecture Notes in Computer Science, 2015, , 366-375.	1.3	1
60	An alternative approach to the determination of scaling law expressions for the Lâ€H transition in Tokamaks utilizing classification tools instead of regression. Plasma Physics and Controlled Fusion, 2014, 56, 114002.	2.1	12
61	Simulation and real-time replacement of missing plasma signals for disruption prediction: an implementation with APODIS. Plasma Physics and Controlled Fusion, 2014, 56, 114004.	2.1	10
62	Adaptive high learning rate probabilistic disruption predictors from scratch for the next generation of tokamaks. Nuclear Fusion, 2014, 54, 123001.	3.5	42
63	Robustness and increased time resolution of JET Advanced Predictor of Disruptions. Plasma Physics and Controlled Fusion, 2014, 56, 114003.	2.1	7
64	The influence of an ITER-like wall on disruptions at JET. Physics of Plasmas, 2014, 21, .	1.9	61
65	Automatic location of disruption times in JET. Review of Scientific Instruments, 2014, 85, 11D826.	1.3	0
66	Hardware timestamping for image acquisition system based on FlexRIO and IEEE 1588 v2 standard. , 2014, , .		1
67	Test bed for real-time image acquisition and processing systems based on FlexRIO, CameraLink, and EPICS. Fusion Engineering and Design, 2014, 89, 633-637.	1.9	5
68	Iterative noise removal from temperature and density profiles in the TJ-II Thomson scattering. Fusion Engineering and Design, 2014, 89, 761-765.	1.9	3
69	Real-time change detection in data streams with FPGAs. Fusion Engineering and Design, 2014, 89, 644-648.	1.9	3
70	UMEL: A new regression tool to identify measurement peaks in LIDAR/DIAL systems for environmental physics applications. Review of Scientific Instruments, 2014, 85, 063112.	1.3	17
71	Extensive statistical analysis of ELMs on JET with a carbon wall. Plasma Physics and Controlled Fusion, 2014, 56, 114007.	2.1	16
72	Implementation of the Disruption Predictor APODIS in JETâ€™s Real-Time Network Using the MARTE Framework. IEEE Transactions on Nuclear Science, 2014, 61, 741-744.	2.0	21

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73	A New Generation of Real-Time Systems in the JET Tokamak. IEEE Transactions on Nuclear Science, 2014, 61, 711-719.	2.0	13
74	Soft real-time EPICS extensions for fast control: A case study applied to a TCV equilibrium algorithm. Fusion Engineering and Design, 2014, 89, 638-643.	1.9	3
75	IEEE 1588 clock distribution for FlexRIO devices in PXle platforms. Fusion Engineering and Design, 2014, 89, 652-657.	1.9	6
76	Implementation of Intelligent Data Acquisition Systems for Fusion Experiments Using EPICS and FlexRIO Technology. IEEE Transactions on Nuclear Science, 2013, 60, 3446-3453.	2.0	22
77	Incremental support vector machines for fast reliable image recognition. Fusion Engineering and Design, 2013, 88, 1170-1173.	1.9	13
78	Development of an efficient real-time disruption predictor from scratch on JET and implications for ITER. Nuclear Fusion, 2013, 53, 113001.	3.5	52
79	Spatial location of local perturbations in plasma emissivity derived from projections using conformal predictors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 720, 14-19.	1.6	2
80	A new class of indicators for the model selection of scaling laws in nuclear fusion. Fusion Engineering and Design, 2013, 88, 738-741.	1.9	2
81	Results of the JET real-time disruption predictor in the ITER-like wall campaigns. Fusion Engineering and Design, 2013, 88, 1228-1231.	1.9	78
82	Design and development of a compact lidar/DIAL system for aerial surveillance of urban areas. , 2013, , .		8
83	Clustering based on the geodesic distance on Gaussian manifolds for the automatic classification of disruptions. Nuclear Fusion, 2013, 53, 033006.	3.5	40
84	Dynamics of flows and confinement in the TJ-II stellarator. Nuclear Fusion, 2013, 53, 104016.	3.5	5
85	Application and Validation of Image Processing Algorithms to Reduce the Stray Light on the TJ-II Thomson Scattering Diagnostic. Fusion Science and Technology, 2013, 63, 20-25.	1.1	1
86	Integration and Validation of a Disruption Predictor Simulator in JET. Fusion Science and Technology, 2013, 63, 26-33.	1.1	2
87	Automatic location of L/H transition times for physical studies with a large statistical basis. Plasma Physics and Controlled Fusion, 2012, 54, 065009.	2.1	4
88	Implementation of the disruption predictor APODIS in JET real time network using the MARTE framework. , 2012, , .		7
89	A statistical methodology to derive the scaling law for the H-mode power threshold using a large multi-machine database. Nuclear Fusion, 2012, 52, 063016.	3.5	23
90	Modeling Fusion Data in Probabilistic Metric Spaces: Applications to the Identification of Confinement Regimes and Plasma Disruptions. Fusion Science and Technology, 2012, 62, 356-365.	1.1	9

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91	Automated Analysis of Edge Pedestal Gradient Degradation during ELMs. Fusion Science and Technology, 2012, 62, 403-408.	1.1	0
92	A new generation of real-time systems in the JET tokamak. , 2012, , .		5
93	Implementation of intelligent data acquisition systems for fusion experiment using EPICS and FlexRIO technology. , 2012, , .		2
94	Improved feature selection based on genetic algorithms for real time disruption prediction on JET. Fusion Engineering and Design, 2012, 87, 1670-1678.	1.9	29
95	Overview of statistically hedged prediction methods: From off-line to real-time data analysis. Fusion Engineering and Design, 2012, 87, 2072-2075.	1.9	0
96	Automatic determination of L/H transition times in DIII-D through a collaborative distributed environment. Fusion Engineering and Design, 2012, 87, 2081-2083.	1.9	4
97	H/L transition time estimation in JET using conformal predictors. Fusion Engineering and Design, 2012, 87, 2084-2086.	1.9	1
98	Image processing methods for noise reduction in the TJ-II Thomson Scattering diagnostic. Fusion Engineering and Design, 2012, 87, 2170-2173.	1.9	3
99	ITER fast plant system controller prototype based on ATCA platform. Fusion Engineering and Design, 2012, 87, 2024-2029.	1.9	35
100	NetCDF based data archiving system applied to ITER Fast Plant System Control prototype. Fusion Engineering and Design, 2012, 87, 2223-2228.	1.9	3
101	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.	1.9	3
102	ITER Fast Plant System Controller prototype based on PXIe platform. Fusion Engineering and Design, 2012, 87, 2030-2035.	1.9	23
103	Latest developments in image processing for the next generation of devices with a view on DEMO. Fusion Engineering and Design, 2012, 87, 2116-2119.	1.9	2
104	Region selection and image classification methodology using a non-conformity measure. Progress in Artificial Intelligence, 2012, 1, 215-222.	2.4	1
105	Introduction to Conformal Predictors Based on Fuzzy Logic Classifiers. International Federation for Information Processing, 2012, , 203-213.	0.4	0
106	Identification of Confinement Regimes in Tokamak Plasmas by Conformal Prediction on a Probabilistic Manifold. International Federation for Information Processing, 2012, , 244-253.	0.4	0
107	Overview of TJ-II experiments. Nuclear Fusion, 2011, 51, 094022.	3.5	24
108	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.	2.0	2

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109	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.	2.0	12
110	Engineering Design of ITER Prototype Fast Plant System Controller. IEEE Transactions on Nuclear Science, 2011, 58, 1439-1446.	2.0	11
111	New signal processing methods and information technologies for the real time control of JET reactor relevant plasmas. Fusion Engineering and Design, 2011, 86, 544-547.	1.9	1
112	Securing remote services by integrating SecurID strong authentication technology in EFDA-Federation infrastructure. Fusion Engineering and Design, 2011, 86, 1260-1263.	1.9	2
113	Computationally efficient SVM multi-class image recognition with confidence measures. Fusion Engineering and Design, 2011, 86, 1213-1216.	1.9	17
114	ITER prototype fast plant system controller. Fusion Engineering and Design, 2011, 86, 556-560.	1.9	22
115	Image Manipulation for High Temperature Plasmas. Contributions To Plasma Physics, 2011, 51, 187-193.	1.1	0
116	ITER prototype fast plant system controller based on ATCA platform. , 2011, , .		2
117	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
118	Analysis of Video-Movies Using Support Vector Regression. Fusion Science and Technology, 2010, 58, 763-770.	1.1	1
119	Application of Event-Based Sampling Strategies for Fusion Research. Fusion Science and Technology, 2010, 58, 666-674.	1.1	0
120	Automatic ELM Location in JET Using a Universal Multi-Event Locator. Fusion Science and Technology, 2010, 58, 755-762.	1.1	6
121	Parallelization of automatic classification systems based on support vector machines: Comparison and application to JET database. Fusion Engineering and Design, 2010, 85, 425-427.	1.9	6
122	Distributed open environment for data retrieval based on pattern recognition techniques. Fusion Engineering and Design, 2010, 85, 595-597.	1.9	0
123	Empirically derived basis functions for unsupervised classification of radial profile data. Fusion Engineering and Design, 2010, 85, 423-424.	1.9	1
124	Upgrade of the automatic analysis system in the TJ-II Thomson Scattering diagnostic: New image recognition classifier and fault condition detection. Fusion Engineering and Design, 2010, 85, 415-418.	1.9	12
125	Progress on statistical learning systems as data mining tools for the creation of automatic databases in Fusion environments. Fusion Engineering and Design, 2010, 85, 399-402.	1.9	3
126	Securing MDSplus in a multi-organisation environment. Fusion Engineering and Design, 2010, 85, 614-617.	1.9	4



#	ARTICLE	IF	CITATIONS
127	Real-time remote diagnostic monitoring test-bed in JET. Fusion Engineering and Design, 2010, 85, 598-602.	1.9	1
128	A versatile trigger and synchronization module with IEEE1588 capabilities and EPICS support. Fusion Engineering and Design, 2010, 85, 340-344.	1.9	1
129	Service-oriented architecture of adaptive, intelligent data acquisition and processing systems for long-pulse fusion experiments. Fusion Engineering and Design, 2010, 85, 274-279.	1.9	5
130	Test-bed of a real time detection system for L/H and H/L transitions implemented with the ITMS platform. Fusion Engineering and Design, 2010, 85, 360-366.	1.9	2
131	New information processing methods for control on JET. Fusion Engineering and Design, 2010, 85, 428-432.	1.9	2
132	Web based system architecture for long pulse remote experimentation. Fusion Engineering and Design, 2010, 85, 292-297.	1.9	1
133	Machine learning for the identification of scaling laws and dynamical systems directly from data in fusion. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 850-854.	1.6	7
134	Innovative signal processing and data analysis methods on JET for control in the perspective of next-step devices. Nuclear Fusion, 2010, 50, 055005.	3.5	6
135	An advanced disruption predictor for JET tested in a simulated real-time environment. Nuclear Fusion, 2010, 50, 025005.	3.5	96
136	Support vector machine-based feature extractor for L/H transitions in JET. Review of Scientific Instruments, 2010, 81, 10E123.	1.3	9
137	A universal support vector machines based method for automatic event location in waveforms and video-movies: Applications to massive nuclear fusion databases. Review of Scientific Instruments, 2010, 81, 023505.	1.3	18
138	Event recognition using signal spectrograms in long pulse experiments. Review of Scientific Instruments, 2010, 81, 10E126.	1.3	1
139	Real time plasma disruptions detection in JET implemented with the ITMS platform using FPGA based IDAQ. , 2010, , .		2
140	Accurate and reliable image classification by using conformal predictors in the TJ-II Thomson scattering. Review of Scientific Instruments, 2010, 81, 10E118.	1.3	11
141	Exploiting graphic processing units parallelism to improve intelligent data acquisition system performance in JET's correlation reflectometer. , 2010, , .		0
142	Engineering design of ITER prototype Fast Plant System Controller. , 2010, , .		0
143	INSPECTION OF DISRUPTIVE BEHAVIOURS AT JET USING GENERATIVE TOPOGRAPHIC MAPPING. World Scientific Series on Nonlinear Science, Series B, 2010, , 315-320.	0.2	3
144	Unbiased and non-supervised learning methods for disruption prediction at JET. Nuclear Fusion, 2009, 49, 055028.	3.5	35

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145	Automated estimation of L/H transition times at JET by combining Bayesian statistics and support vector machines. Nuclear Fusion, 2009, 49, 085023.	3.5	23
146	Confinement transitions in TJ-II under Li-coated wall conditions. Nuclear Fusion, 2009, 49, 104018.	3.5	75
147	Dynamic Clustering and Modeling Approaches for Fusion Plasma Signals. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2969-2978.	4.7	5
148	Overview of intelligent data retrieval methods for waveforms and images in massive fusion databases. Fusion Engineering and Design, 2009, 84, 1916-1919.	1.9	21
149	Recent developments in data mining and soft computing for JET with a view on ITER. Fusion Engineering and Design, 2009, 84, 1372-1375.	1.9	1
150	New developments at JET in diagnostics, real-time control, data acquisition and information retrieval with potential application to ITER. Fusion Engineering and Design, 2009, 84, 2136-2144.	1.9	10
151	Automated recognition system for ELM classification in JET. Fusion Engineering and Design, 2009, 84, 712-715.	1.9	4
152	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.	1.9	4
153	Data distribution architecture based on standard real time protocol. Fusion Engineering and Design, 2009, 84, 565-568.	1.9	0
154	First applications of structural pattern recognition methods to the investigation of specific physical phenomena at JET. Fusion Engineering and Design, 2008, 83, 467-470.	1.9	7
155	Structural pattern recognition methods based on string comparison for fusion databases. Fusion Engineering and Design, 2008, 83, 421-424.	1.9	6
156	PAPI based federation as a test-bed for a common security infrastructure in EFDA sites. Fusion Engineering and Design, 2008, 83, 486-490.	1.9	6
157	Intelligent methods for data retrieval in fusion databases. Fusion Engineering and Design, 2008, 83, 382-386.	1.9	21
158	Data mining technique for fast retrieval of similar waveforms in Fusion massive databases. Fusion Engineering and Design, 2008, 83, 132-139.	1.9	20
159	Data reduction in the ITMS system through a data acquisition model with self-adaptive sampling rate. Fusion Engineering and Design, 2008, 83, 358-362.	1.9	10
160	An event-oriented database for continuous data flows in the TJ-II environment. Fusion Engineering and Design, 2008, 83, 413-416.	1.9	0
161	How to Extract Information and Knowledge from Fusion Massive Databases. AIP Conference Proceedings, 2008, , .	0.4	0
162	Classifier based on support vector machine for JET plasma configurations. Review of Scientific Instruments, 2008, 79, 10F326.	1.3	3

#	ARTICLE	IF	CITATIONS
163	Implementation of local area network extension for instrumentation standard trigger capabilities in advanced data acquisition platforms. Review of Scientific Instruments, 2008, 79, 10F335.	1.3	5
164	Structural Pattern Recognition Techniques for Data Retrieval in Massive Fusion Databases. AIP Conference Proceedings, 2008, , .	0.4	1
165	Self-adaptive sampling rate data acquisition in JET's correlation reflectometer. Review of Scientific Instruments, 2008, 79, 10F336.	1.3	6
166	Intelligent technique to search for patterns within images in massive databases. Review of Scientific Instruments, 2008, 79, 10F327.	1.3	9
167	Feature extraction for improved disruption prediction analysis at JET. Review of Scientific Instruments, 2008, 79, 10F328.	1.3	21
168	EFDA's European federation among fusion energy research laboratories. Campus Wide Information Systems, 2008, 25, 359-373.	1.1	2
169	OPTIMIZED SEARCH STRATEGIES TO IMPROVE STRUCTURAL PATTERN RECOGNITION TECHNIQUES. , 2008, , .		3
170	Overview of TJ-II experiments. Nuclear Fusion, 2007, 47, S677-S685.	3.5	9
171	New Techniques and Technologies for Information Retrieval and Knowledge Extraction from Nuclear Fusion Massive Databases. , 2007, , .		1
172	Recent results on structural pattern recognition for Fusion massive databases. , 2007, , .		4
173	Dynamic Clustering and Neuro-Fuzzy Identification for the Analysis of Fusion Plasma Signals. , 2007, , .		1
174	Two criteria for On-line Detection of Oscillations in Nuclear Fusion Experiments. , 2007, , .		0
175	A standard data access layer for fusion devices R&D programs. Fusion Engineering and Design, 2007, 82, 1315-1320.	1.9	7
176	Real-time lossless data compression techniques for long-pulse operation. Fusion Engineering and Design, 2007, 82, 1301-1307.	1.9	4
177	Remote control of data acquisition devices by means of message oriented middleware. Fusion Engineering and Design, 2007, 82, 1365-1371.	1.9	2
178	PXI-based architecture for real-time data acquisition and distributed dynamic data processing. IEEE Transactions on Nuclear Science, 2006, 53, 923-926.	2.0	34
179	TJ-II Operation Tracking from Cadarache. Fusion Science and Technology, 2006, 50, 464-471.	1.1	6
180	Automated clustering procedure for TJ-II experimental signals. Fusion Engineering and Design, 2006, 81, 1987-1991.	1.9	7

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181	Searching for patterns in TJ-II time evolution signals. Fusion Engineering and Design, 2006, 81, 1993-1997.	1.9	14
182	Real-time data acquisition and parallel data processing solution for TJ-II Bolometer arrays diagnostic. Fusion Engineering and Design, 2006, 81, 1863-1867.	1.9	0
183	Applying a message oriented middleware architecture to the TJ-II remote participation system. Fusion Engineering and Design, 2006, 81, 2063-2067.	1.9	7
184	Overview of the TJ-II remote participation system. Fusion Engineering and Design, 2006, 81, 2045-2050.	1.9	15
185	Synchronization resources in heterogeneous environments: Time-sharing, real-time and Java. Fusion Engineering and Design, 2006, 81, 1869-1872.	1.9	5
186	An authentication and authorization infrastructure: The PAPI system. Fusion Engineering and Design, 2006, 81, 2057-2061.	1.9	14
187	Search and retrieval of plasma wave forms: Structural pattern recognition approach. Review of Scientific Instruments, 2006, 77, 10F514.	1.3	18
188	Present status of the TJ-II remote participation system. Fusion Engineering and Design, 2005, 74, 775-780.	1.9	5
189	Overview of TJ-II experiments. Nuclear Fusion, 2005, 45, S266-S275.	3.5	37
190	PXI-based architecture for real time data acquisition and distributed dynamical data processing. , 2005, , ,		8
191	TJ-II wave forms analysis with wavelets and support vector machines. Review of Scientific Instruments, 2004, 75, 4254-4257.	1.3	23
192	Multi-tier approach for data acquisition programming in the TJ-II remote participation system. Review of Scientific Instruments, 2004, 75, 4251-4253.	1.3	7
193	Distributed real time data processing architecture for the TJ-II data acquisition system. Review of Scientific Instruments, 2004, 75, 4261-4264.	1.3	17
194	Real-time data acquisition and processing platform for fusion experiments. Fusion Engineering and Design, 2004, 71, 135-140.	1.9	5
195	Simulation platform for remote participants in fusion experiments. Fusion Engineering and Design, 2004, 71, 269-274.	1.9	4
196	A distributed synchronization system for the TJ-II local area network. Fusion Engineering and Design, 2004, 71, 117-121.	1.9	8
197	Autonomous acquisition systems for TJ-II: controlling instrumentation with a fourth generation language. Fusion Engineering and Design, 2004, 71, 123-127.	1.9	9
198	Design of the TJ-II remote participation system. Review of Scientific Instruments, 2003, 74, 1773-1777.	1.3	9

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