

Emilio Blanco

List of Publications by Year in descending order

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200
papers

4,869
citations

87886

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h-index

149686

56
g-index

201
all docs

201
docs citations

201
times ranked

2840
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of first Wendelstein 7-X high-performance operation. Nuclear Fusion, 2019, 59, 112004.	3.5	165
2	Major results from the first plasma campaign of the Wendelstein 7-X stellarator. Nuclear Fusion, 2017, 57, 102020.	3.5	128
3	ELM divertor peak energy fluence scaling to ITER with data from JET, MAST and ASDEX upgrade. Nuclear Materials and Energy, 2017, 12, 84-90.	1.3	116
4	Sheared flows and transition to improved confinement regime in the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2009, 51, 124015.	2.1	104
5	Power exhaust by SOL and pedestal radiation at ASDEX Upgrade and JET. Nuclear Materials and Energy, 2017, 12, 111-118.	1.3	92
6	Doppler reflectometer system in the stellarator TJ-II. Review of Scientific Instruments, 2009, 80, 073502.	1.3	91
7	Experimental Validation of a Filament Transport Model in Turbulent Magnetized Plasmas. Physical Review Letters, 2015, 115, 215002.	7.8	89
8	Experimental observation of coupling between turbulence and sheared flows during L-H transitions in a toroidal plasma. Europhysics Letters, 2010, 92, 35001.	2.0	88
9	Confirmation of the topology of the Wendelstein 7-X magnetic field to better than 1:100,000. Nature Communications, 2016, 7, 13493.	12.8	85
10	Beryllium migration in JET ITER-like wall plasmas. Nuclear Fusion, 2015, 55, 063021.	3.5	83
11	WEST Physics Basis. Nuclear Fusion, 2015, 55, 063017.	3.5	82
12	Pedestal confinement and stability in JET-ILW ELMy H-modes. Nuclear Fusion, 2015, 55, 113031.	3.5	82
13	Core turbulent transport in tokamak plasmas: bridging theory and experiment with QuaLiKiz. Plasma Physics and Controlled Fusion, 2016, 58, 014036.	2.1	81
14	Improved confinement in JET high- β plasmas with an ITER-like wall. Nuclear Fusion, 2015, 55, 053031.	3.5	79
15	Confinement transitions in TJ-II under Li-coated wall conditions. Nuclear Fusion, 2009, 49, 104018.	3.5	75
16	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	3.5	70
17	WALDDYN simulations of global impurity migration in JET and extrapolations to ITER. Nuclear Fusion, 2015, 55, 053015.	3.5	67
18	Stationary Zonal Flows during the Formation of the Edge Transport Barrier in the JET Tokamak. Physical Review Letters, 2016, 116, 065002.	7.8	64

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19	Status and prospects for mm-wave reflectometry in ITER. Nuclear Fusion, 2006, 46, S836-S845.	3.5	63
20	Dual sightline measurements of MeV range deuterons with neutron and gamma-ray spectroscopy at JET. Nuclear Fusion, 2015, 55, 123026.	3.5	60
21	Runaway electron beam generation and mitigation during disruptions at JET-ILW. Nuclear Fusion, 2015, 55, 093013.	3.5	58
22	Key impact of finite-beta and fast ions in core and edge tokamak regions for the transition to advanced scenarios. Nuclear Fusion, 2015, 55, 053007.	3.5	56
23	Influence of the E \times B drift in high recycling divertors on target asymmetries. Plasma Physics and Controlled Fusion, 2015, 57, 095002.	2.1	56
24	First dust study in JET with the ITER-like wall: sampling, analysis and classification. Nuclear Fusion, 2015, 55, 113033.	3.5	51
25	Scaling of the MHD perturbation amplitude required to trigger a disruption and predictions for ITER. Nuclear Fusion, 2016, 56, 026007.	3.5	51
26	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	3.5	50
27	The impact of poloidal asymmetries on tungsten transport in the core of JET H-mode plasmas. Physics of Plasmas, 2015, 22, 055902.	1.9	49
28	Progress in understanding disruptions triggered by massive gas injection via 3D non-linear MHD modelling with JOREK. Plasma Physics and Controlled Fusion, 2017, 59, 014006.	2.1	47
29	Overview of JET results. Nuclear Fusion, 2009, 49, 104006.	3.5	46
30	Overview of the JET ITER-like wall divertor. Nuclear Materials and Energy, 2017, 12, 499-505.	1.3	46
31	Three-dimensional non-linear magnetohydrodynamic modeling of massive gas injection triggered disruptions in JET. Physics of Plasmas, 2015, 22, .	1.9	45
32	Ion target impact energy during Type I edge localized modes in JET ITER-like Wall. Plasma Physics and Controlled Fusion, 2015, 57, 085006.	2.1	44
33	Real-time control of divertor detachment in H-mode with impurity seeding using Langmuir probe feedback in JET-ITER-like wall. Plasma Physics and Controlled Fusion, 2017, 59, 045001.	2.1	43
34	First neutron spectroscopy measurements with a pixelated diamond detector at JET. Review of Scientific Instruments, 2016, 87, 11D833.	1.3	42
35	Studies of dust from JET with the ITER-Like Wall: Composition and internal structure. Nuclear Materials and Energy, 2017, 12, 582-587.	1.3	41
36	Inferring divertor plasma properties from hydrogen Balmer and Paschen series spectroscopy in JET-ILW. Nuclear Fusion, 2015, 55, 123028.	3.5	40

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37	JET and COMPASS asymmetrical disruptions. Nuclear Fusion, 2015, 55, 113006.	3.5	40
38	Plasma flow, turbulence and magnetic islands in TJ-II. Nuclear Fusion, 2016, 56, 026011.	3.5	39
39	Overview of JET results. Nuclear Fusion, 2003, 43, 1540-1554.	3.5	38
40	Overview of TJ-II experiments. Nuclear Fusion, 2005, 45, S266-S275.	3.5	37
41	Physics of Plasmas, 2015, 22, 056115.	1.9	37
42	The role of MHD in causing impurity peaking in JET hybrid plasmas. Nuclear Fusion, 2016, 56, 066002.	3.5	37
43	Multi-machine scaling of the main SOL parallel heat flux width in tokamak limiter plasmas. Plasma Physics and Controlled Fusion, 2016, 58, 074005.	2.1	36
44	Understanding the physics of ELM pacing via vertical kicks in JET in view of ITER. Nuclear Fusion, 2016, 56, 026001.	3.5	36
45	Deep learning for plasma tomography using the bolometer system at JET. Fusion Engineering and Design, 2017, 114, 18-25.	1.9	34
46	Discriminating the trapped electron modes contribution in density fluctuation spectra. Nuclear Fusion, 2015, 55, 093021.	3.5	33
47	Transport analysis and modelling of the evolution of hollow density profiles plasmas in JET and implication for ITER. Nuclear Fusion, 2015, 55, 123001.	3.5	33
48	Challenges in the extrapolation from DD to DT plasmas: experimental analysis and theory based predictions for JET-DT. Plasma Physics and Controlled Fusion, 2017, 59, 014023.	2.1	33
49	Study of Doppler reflectometry capability to determine the perpendicular velocity and the k-spectrum of the density fluctuations using a 2D full-wave code. Plasma Physics and Controlled Fusion, 2008, 50, 095011.	2.1	32
50	Gamma-ray spectroscopy at MHz counting rates with a compact LaBr3 detector and silicon photomultipliers for fusion plasma applications. Review of Scientific Instruments, 2016, 87, 11E714.	1.3	31
51	Fast-ion energy resolution by one-step reaction gamma-ray spectrometry. Nuclear Fusion, 2016, 56, 046009.	3.5	31
52	Confinement and stability on the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2002, 44, B307-B322.	2.1	30
53	Benchmark experiments on neutron streaming through JET Torus Hall penetrations. Nuclear Fusion, 2015, 55, 053028.	3.5	29
54	Axisymmetric oscillations at H transitions in JET: M-mode. Nuclear Fusion, 2017, 57, 022021.	3.5	29

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55	Scale-selective turbulence reduction in H-mode plasmas in the TJ-II stellarator. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	28
56	Plasma confinement at JET. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 014034.	2.1	28
57	Assessment of erosion, deposition and fuel retention in the JET-ILW divertor from ion beam analysis data. <i>Nuclear Materials and Energy</i> , 2017, 12, 559-563.	1.3	28
58	Doppler reflectometry studies using a two-dimensional full-wave code. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, 699-714.	2.1	27
59	Gyrokinetic study of turbulent convection of heavy impurities in tokamak plasmas at comparable ion and electron heat fluxes. <i>Nuclear Fusion</i> , 2017, 57, 022009.	3.5	27
60	Assessment of SOLPS5.0 divertor solutions with drifts and currents against L-mode experiments in ASDEX Upgrade and JET. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 035003.	2.1	27
61	On the role of spectral resolution in velocity shear layer measurements by Doppler reflectometry. <i>Review of Scientific Instruments</i> , 2010, 81, 10D901.	1.3	26
62	Technological exploitation of Deuterium-Tritium operations at JET in support of ITER design, operation and safety. <i>Fusion Engineering and Design</i> , 2016, 109-111, 278-285.	1.9	26
63	Dimensionless scalings of confinement, heat transport and pedestal stability in JET-ILW and comparison with JET-C. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 014014.	2.1	26
64	Fast ion energy distribution from third harmonic radio frequency heating measured with a single crystal diamond detector at the Joint European Torus. <i>Review of Scientific Instruments</i> , 2015, 86, 103501.	1.3	25
65	Impact of divertor geometry on radiative divertor performance in JET H-mode plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 045011.	2.1	25
66	Plasma impact on diagnostic mirrors in JET. <i>Nuclear Materials and Energy</i> , 2017, 12, 506-512.	1.3	25
67	Overview of TJ-II experiments. <i>Nuclear Fusion</i> , 2011, 51, 094022.	3.5	24
68	Experimental turbulence studies for gyro-kinetic code validation using advanced microwave diagnostics. <i>Nuclear Fusion</i> , 2015, 55, 083027.	3.5	24
69	Performance of the prototype LaBr3 spectrometer developed for the JET gamma-ray camera upgrade. <i>Review of Scientific Instruments</i> , 2016, 87, 11E717.	1.3	24
70	Experimental investigation of geodesic acoustic modes on JET using Doppler backscattering. <i>Nuclear Fusion</i> , 2016, 56, 106026.	3.5	24
71	Enhanced Doppler reflectometry power response: physical optics and 2D full wave modelling. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 035005.	2.1	24
72	Asymmetric toroidal eddy currents (ATEC) to explain sideways forces at JET. <i>Nuclear Fusion</i> , 2016, 56, 106010.	3.5	23

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73	Sawtooth pacing with on-axis ICRH modulation in JET-ILW. Nuclear Fusion, 2017, 57, 036027.	3.5	23
74	Gyrokinetic study of turbulence suppression in a JET-ILW power scan. Plasma Physics and Controlled Fusion, 2016, 58, 115005.	2.1	22
75	Neutron emission spectroscopy of DT plasmas at enhanced energy resolution with diamond detectors. Review of Scientific Instruments, 2016, 87, 11D822.	1.3	22
76	Global and pedestal confinement and pedestal structure in dimensionless collisionality scans of low-triangularity H-mode plasmas in JET-ILW. Nuclear Fusion, 2017, 57, 016012.	3.5	22
77	Two-dimensional full-wave simulations of radial correlation Doppler reflectometry in linear and non-linear regimes. Plasma Physics and Controlled Fusion, 2013, 55, 125006.	2.1	21
78	Radiation asymmetries during the thermal quench of massive gas injection disruptions in JET. Nuclear Fusion, 2015, 55, 123027.	3.5	21
79	Experimental evaluation of stable long term operation of semiconductor magnetic sensors at ITER relevant environment. Nuclear Fusion, 2015, 55, 083006.	3.5	21
80	Non-linear MHD simulations of ELMs in JET and quantitative comparisons to experiments. Plasma Physics and Controlled Fusion, 2016, 58, 014026.	2.1	20
81	ITER oriented neutronics benchmark experiments on neutron streaming and shutdown dose rate at JET. Fusion Engineering and Design, 2017, 123, 171-176.	1.9	20
82	Neutronics experiments and analyses in preparation of DT operations at JET. Fusion Engineering and Design, 2016, 109-111, 895-905.	1.9	19
83	JET experiments with tritium and deuterium-tritium mixtures. Fusion Engineering and Design, 2016, 109-111, 925-936.	1.9	19
84	Velocity shear layer measurements by reflectometry in TJ-II plasmas. Nuclear Fusion, 2006, 46, S792-S798.	3.5	18
85	Spatial, temporal and spectral structure of the turbulence-flow interaction at the L-H transition. Plasma Physics and Controlled Fusion, 2012, 54, 124024.	2.1	18
86	L to H mode transition: parametric dependencies of the temperature threshold. Nuclear Fusion, 2015, 55, 073015.	3.5	18
87	Limit cycle oscillations at the L-H transition in TJ-II plasmas: triggering, temporal ordering and radial propagation. Nuclear Fusion, 2015, 55, 063005.	3.5	18
88	Response function of single crystal synthetic diamond detectors to 1-4 MeV neutrons for spectroscopy of D plasmas. Review of Scientific Instruments, 2016, 87, 11D823.	1.3	18
89	Application of transfer entropy to causality detection and synchronization experiments in tokamaks. Nuclear Fusion, 2016, 56, 026006.	3.5	18
90	Energy balance in JET. Nuclear Materials and Energy, 2017, 12, 227-233.	1.3	18

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91	Benchmarking the GENE and GYRO codes through the relative roles of electromagnetic and ECRF stabilization in JET high-performance discharges. Plasma Physics and Controlled Fusion, 2016, 58, 125018.		17
92	Improved ERO modelling for spectroscopy of physically and chemically assisted eroded beryllium from the JET-ILW. Nuclear Materials and Energy, 2016, 9, 604-609.	1.3	17
93	Plasma edge and plasma-wall interaction modelling: Lessons learned from metallic devices. Nuclear Materials and Energy, 2017, 12, 3-17.	1.3	17
94	LH Transition Experiments in JT-60U. Contributions To Plasma Physics, 2010, 50, 501-506.	1.1	16
95	Influence of Low-Order Rational Surfaces on the Radial Electric Field of JT-60U ECH Plasmas. Contributions To Plasma Physics, 2010, 50, 605-609.	1.1	16
96	A new approach to detect coherent modes using microwave reflectometry. Nuclear Fusion, 2012, 52, 082002.	3.5	16
97	Possible influence of near SOL plasma on the H-mode power threshold. Nuclear Materials and Energy, 2017, 12, 273-277.	1.3	16
98	Bayesian electron density inference from JET lithium beam emission spectra using Gaussian processes. Nuclear Fusion, 2017, 57, 036017.	3.5	16
99	3D effects on transport and plasma control in the JT-60U stellarator. Nuclear Fusion, 2017, 57, 102022.	3.5	16
100	Radial electric field in JET advanced tokamak scenarios with toroidal field ripple. Plasma Physics and Controlled Fusion, 2009, 51, 055005.	2.1	15
101	Turbulence radial correlation length measurements using Doppler reflectometry in JT-60U. Nuclear Fusion, 2014, 54, 072001.	3.5	15
102	Confinement in Wendelstein 7-X limiter plasmas. Nuclear Fusion, 2017, 57, 086010.	3.5	15
103	How to assess the efficiency of synchronization experiments in tokamaks. Nuclear Fusion, 2016, 56, 076008.	3.5	14
104	Beryllium film deposition in cavity samples in remote areas of the JET divertor during the 2011-2012 ITER-like wall campaign. Nuclear Materials and Energy, 2017, 12, 548-552.	1.3	14
105	Micro-/nano-characterization of the surface structures on the divertor tiles from JET ITER-like wall. Fusion Engineering and Design, 2017, 116, 1-4.	1.9	14
106	Structure, tritium depth profile and desorption from plasma-facing beryllium materials of ITER-Like-Wall at JET. Nuclear Materials and Energy, 2017, 12, 642-647.	1.3	14
107	Towards a new image processing system at Wendelstein 7-X: From spatial calibration to characterization of thermal events. Review of Scientific Instruments, 2018, 89, 123503.	1.3	14
108	Transport studies using laser blow-off injection of low-Z trace impurities injected into the JT-60U stellarator. Nuclear Fusion, 2011, 51, 063015.	3.5	13

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109	Radiation damage and nuclear heating studies in selected functional materials during the JET DT campaign. Fusion Engineering and Design, 2016, 109-111, 1011-1015.	1.9	13
110	High power neon seeded JET discharges: Experiments and simulations. Nuclear Materials and Energy, 2017, 12, 882-886.	1.3	13
111	Comparative H-mode density limit studies in JET and AUG. Nuclear Materials and Energy, 2017, 12, 100-110.	1.3	13
112	Deuterium retention in the divertor tiles of JET ITER-Like wall. Nuclear Materials and Energy, 2017, 12, 655-661.	1.3	13
113	Gyrokinetic modeling of impurity peaking in JET H-mode plasmas. Physics of Plasmas, 2017, 24, .	1.9	13
114	Trapped electron mode driven electron heat transport in JET: experimental investigation and gyro-kinetic theory validation. Nuclear Fusion, 2015, 55, 113016.	3.5	12
115	Diagnostic application of magnetic islands rotation in JET. Nuclear Fusion, 2016, 56, 076004.	3.5	12
116	A tool to support the construction of reliable disruption databases. Fusion Engineering and Design, 2017, 125, 139-153.	1.9	12
117	Erosion at the inner wall of JET during the discharge campaign 2013â€“2014. Nuclear Materials and Energy, 2017, 11, 20-24.	1.3	12
118	Overview of recent TJ-II stellarator results. Nuclear Fusion, 2019, 59, 112019.	3.5	12
119	Two-dimensional full-wave code for reflectometry simulations in TJ-II. Review of Scientific Instruments, 2004, 75, 3822-3824.	1.3	11
120	Magnetic well scan and confinement in the TJ-II stellarator. Nuclear Fusion, 2015, 55, 113014.	3.5	11
121	Upgrade of the tangential gamma-ray spectrometer beam-line for JET DT experiments. Fusion Engineering and Design, 2017, 123, 749-753.	1.9	11
122	Measurement of the tilt angle of turbulent structures in magnetically confined plasmas using Doppler reflectometry. Plasma Physics and Controlled Fusion, 2019, 61, 105009.	2.1	11
123	An FPGA-based bolometer for the MAST-U Super-X divertor. Review of Scientific Instruments, 2016, 87, 11E721.	1.3	10
124	Bayesian modelling of the emission spectrum of the Joint European Torus Lithium Beam Emission Spectroscopy system. Review of Scientific Instruments, 2016, 87, 023501.	1.3	10
125	Extending helium partial pressure measurement technology to JET DTE2 and ITER. Review of Scientific Instruments, 2016, 87, 11D442.	1.3	10
126	Advanced design of the Mechanical Tritium Pumping System for JET DTE2. Fusion Engineering and Design, 2016, 109-111, 359-364.	1.9	10

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127	In situ wavelength calibration of the edge CXS spectrometers on JET. Review of Scientific Instruments, 2016, 87, 11E525.	1.3	10
128	Technical preparations for the in-vessel 14 MeV neutron calibration at JET. Fusion Engineering and Design, 2017, 117, 107-114.	1.9	10
129	Status of ITER material activation experiments at JET. Fusion Engineering and Design, 2017, 124, 1150-1155.	1.9	10
130	The isotope effect on divertor conditions and neutral pumping in horizontal divertor configurations in JET-ILW Ohmic plasmas. Nuclear Materials and Energy, 2017, 12, 791-797.	1.3	10
131	An analytical expression for ion velocities at the wall including the sheath electric field and surface biasing for erosion modeling at JET ILW. Nuclear Materials and Energy, 2017, 12, 341-345.	1.3	10
132	Microwave Reflectometry Diagnostics: Present Day Systems and Challenges for Future Devices. Plasma and Fusion Research, 2012, 7, 2502055-2502055.	0.7	10
133	Overview of TJ-II experiments. Nuclear Fusion, 2007, 47, S677-S685.	3.5	9
134	Parametric Dependence of the Perpendicular Velocity Shear Layer Formation in TJ-II Plasmas. Plasma and Fusion Research, 2008, 3, S1057-S1057.	0.7	9
135	Synthetic Diagnostics in the European Union Integrated Tokamak Modelling Simulation Platform. Fusion Science and Technology, 2013, 63, 1-8.	1.1	9
136	Transport, stability and plasma control studies in the TJ-II stellarator. Nuclear Fusion, 2015, 55, 104014.	3.5	9
137	Study of the triton-burnup process in different JET scenarios using neutron monitor based on CVD diamond. Review of Scientific Instruments, 2016, 87, 11D835.	1.3	9
138	JET diagnostic enhancements in preparation for DT operations. Review of Scientific Instruments, 2016, 87, 11D443.	1.3	9
139	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
140	The emissivity of W coatings deposited on carbon materials for fusion applications. Fusion Engineering and Design, 2017, 114, 192-195.	1.9	9
141	Response of the imaging cameras to hard radiation during JET operation. Fusion Engineering and Design, 2017, 123, 669-673.	1.9	9
142	Overview of the TJ-II stellarator research programme towards model validation in fusion plasmas. Nuclear Fusion, 2022, 62, 042025.	3.5	9
143	Plasma isotopic changeover experiments in JET under carbon and ITER-like wall conditions. Nuclear Fusion, 2015, 55, 043021.	3.5	8
144	Characterization of a diamond detector to be used as neutron yield monitor during the in-vessel calibration of JET neutron detectors in preparation of the DT experiment. Fusion Engineering and Design, 2016, 106, 93-98.	1.9	8

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145	On the mechanisms governing gas penetration into a tokamak plasma during a massive gas injection. Nuclear Fusion, 2017, 57, 016027.	3.5	8
146	Turbulent transport analysis of JET H-mode and hybrid plasmas using QualiKiz and Trapped Gyro Landau Fluid. Plasma Physics and Controlled Fusion, 2015, 57, 035003.	2.1	7
147	Edge profile analysis of Joint European Torus (JET) Thomson scattering data: Quantifying the systematic error due to edge localised mode synchronisation. Review of Scientific Instruments, 2016, 87, 013507.	1.3	7
148	Comparison of dust transport modelling codes in a tokamak plasma. Physics of Plasmas, 2016, 23, 102506.	1.9	7
149	Real-time control of ELM and sawtooth frequencies: similarities and differences. Nuclear Fusion, 2016, 56, 016008.	3.5	7
150	JET experience on managing radioactive waste and implications for ITER. Fusion Engineering and Design, 2016, 109-111, 979-985.	1.9	7
151	Advances in understanding and utilising ELM control in JET. Plasma Physics and Controlled Fusion, 2016, 58, 014017.	2.1	7
152	Commissioning and first results of the reinstated JET ICRF ILA. Fusion Engineering and Design, 2017, 123, 285-288.	1.9	7
153	The preparation of the Shutdown Dose Rate experiment for the next JET Deuterium-Tritium campaign. Fusion Engineering and Design, 2017, 123, 1039-1043.	1.9	7
154	Expanding the role of impurity spectroscopy for investigating the physics of high-Z dissipative divertors. Nuclear Materials and Energy, 2017, 12, 91-99.	1.3	7
155	Main chamber wall plasma loads in JET-ITER-like wall at high radiated fraction. Nuclear Materials and Energy, 2017, 12, 234-240.	1.3	7
156	Real time control developments at JET in preparation for deuterium-tritium operation. Fusion Engineering and Design, 2017, 123, 535-540.	1.9	7
157	Magnetic Resonances in ECR-Heated Plasmas of the TJ-92 Helic. Contributions To Plasma Physics, 2010, 50, 600-604.	1.1	6
158	Comparative analysis of core heat transport of JET high density H-mode plasmas in carbon wall and ITER-like wall. Plasma Physics and Controlled Fusion, 2015, 57, 065002.	2.1	6
159	Integrated core "SOL" divertor modelling for ITER including impurity: effect of tungsten on fusion performance in H-mode and hybrid scenario. Nuclear Fusion, 2015, 55, 053032.	3.5	6
160	ITER-like antenna capacitors voltage probes: Circuit/electromagnetic calculations and calibrations. Review of Scientific Instruments, 2016, 87, 104705.	1.3	6
161	Sparse representation of signals: from astrophysics to real-time data analysis for fusion plasmas and system optimization analysis for ITER and TCV. Plasma Physics and Controlled Fusion, 2016, 58, 123001.	2.1	6
162	Evaluation of reconstruction errors and identification of artefacts for JET gamma and neutron tomography. Review of Scientific Instruments, 2016, 87, 013502.	1.3	6

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163	Global optimization driven by genetic algorithms for disruption predictors based on APODIS architecture. Fusion Engineering and Design, 2016, 112, 1014-1018.	1.9	6
164	The effect of lower hybrid waves on JET plasma rotation. Nuclear Fusion, 2017, 57, 034002.	3.5	6
165	Quartz micro-balance results of pulse-resolved erosion/deposition in the JET-ILW divertor. Nuclear Materials and Energy, 2017, 12, 478-482.	1.3	6
166	Forward modeling of collective Thomson scattering for Wendelstein 7-X plasmas: Electrostatic approximation. Review of Scientific Instruments, 2019, 90, 023501.	1.3	6
167	Dynamics of flows and confinement in the TJ-II stellarator. Nuclear Fusion, 2013, 53, 104016.	3.5	5
168	Core fusion power gain and alpha heating in JET, TFTR, and ITER. Nuclear Fusion, 2016, 56, 056002.	3.5	5
169	Neutronic analysis of JET external neutron monitor response. Fusion Engineering and Design, 2016, 109-111, 99-103.	1.9	5
170	The non-thermal origin of the tokamak low-density stability limit. Nuclear Fusion, 2016, 56, 056010.	3.5	5
171	Plasma turbulence measured with fast frequency swept reflectometry in JET H-mode plasmas. Nuclear Fusion, 2016, 56, 126019.	3.5	5
172	Development of MPPC-based detectors for high count rate DT campaigns at JET. Fusion Engineering and Design, 2017, 123, 940-944.	1.9	5
173	A note on asymmetry effects in x-mode reflectometry. Nuclear Fusion, 2006, 46, S824-S828.	3.5	4
174	Transport analysis in an electron cyclotron heating power scan of TJ-II plasmas. Plasma Physics and Controlled Fusion, 2014, 56, 075024.	2.1	4
175	The global build-up to intrinsic edge localized mode bursts seen in divertor full flux loops in JET. Physics of Plasmas, 2015, 22, .	1.9	4
176	Conceptual Design of the Mechanical Tritium Pumping System for JET DTE2. Fusion Science and Technology, 2015, 68, 630-634.	1.1	4
177	Scaling of the frequencies of the type one edge localized modes and their effect on the tungsten source in JET ITER-like wall. Plasma Physics and Controlled Fusion, 2016, 58, 125014.	2.1	4
178	Stabilization of sawteeth with third harmonic deuterium ICRF-accelerated beam in JET plasmas. Physics of Plasmas, 2016, 23, 012505.	1.9	4
179	Calculation of the profile-dependent neutron backscatter matrix for the JET neutron camera system. Fusion Engineering and Design, 2017, 123, 865-868.	1.9	4
180	CeBr ₃ -based detector for gamma-ray spectrometer upgrade at JET. Fusion Engineering and Design, 2017, 123, 986-989.	1.9	4

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181	Determining the prediction limits of models and classifiers with applications for disruption prediction in JET. Nuclear Fusion, 2017, 57, 016024.	3.5	4
182	Robust regression with CUDA and its application to plasma reflectometry. Review of Scientific Instruments, 2015, 86, 113507.	1.3	3
183	Free boundary equilibrium in 3D tokamaks with toroidal rotation. Nuclear Fusion, 2015, 55, 063032.	3.5	3
184	Comparative gyrokinetic analysis of JET baseline H-mode core plasmas with carbon wall and ITER-like wall. Plasma Physics and Controlled Fusion, 2016, 58, 045021.	2.1	3
185	A classification scheme for edge-localized modes based on their probability distributions. Review of Scientific Instruments, 2016, 87, 11D404.	1.3	3
186	Numerical calculations of non-inductive current driven by microwaves in JET. Plasma Physics and Controlled Fusion, 2016, 58, 125001.	2.1	3
187	JET Tokamak, preparation of a safety case for tritium operations. Fusion Engineering and Design, 2016, 109-111, 1308-1312.	1.9	3
188	The global build-up to intrinsic ELM bursts and comparison with pellet triggered ELMs seen in JET. Nuclear Fusion, 2017, 57, 022017.	3.5	3
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