

Emilio Blanco

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

200
papers

3,805
citations

34
h-index

48
g-index

201
ext. papers

4,394
ext. citations

2.4
avg, IF

5.1
L-index

#	Paper	IF	Citations
200	Sheared flows and transition to improved confinement regime in the TJ-II stellarator. <i>Plasma Physics and Controlled Fusion</i> , 2009 , 51, 124015	2	96
199	Overview of first Wendelstein 7-X high-performance operation. <i>Nuclear Fusion</i> , 2019 , 59, 112004	3.3	94
198	Major results from the first plasma campaign of the Wendelstein 7-X stellarator. <i>Nuclear Fusion</i> , 2017 , 57, 102020	3.3	88
197	Experimental observation of coupling between turbulence and sheared flows during L-H transitions in a toroidal plasma. <i>Europhysics Letters</i> , 2010 , 92, 35001	1.6	83
196	Doppler reflectometer system in the stellarator TJ-II. <i>Review of Scientific Instruments</i> , 2009 , 80, 073502	1.7	81
195	ELM divertor peak energy fluence scaling to ITER with data from JET, MAST and ASDEX upgrade. <i>Nuclear Materials and Energy</i> , 2017 , 12, 84-90	2.1	74
194	Confinement transitions in TJ-II under Li-coated wall conditions. <i>Nuclear Fusion</i> , 2009 , 49, 104018	3.3	73
193	Experimental Validation of a Filament Transport Model in Turbulent Magnetized Plasmas. <i>Physical Review Letters</i> , 2015 , 115, 215002	7.4	70
192	Beryllium migration in JET ITER-like wall plasmas. <i>Nuclear Fusion</i> , 2015 , 55, 063021	3.3	70
191	Pedestal confinement and stability in JET-ILW ELMy H-modes. <i>Nuclear Fusion</i> , 2015 , 55, 113031	3.3	69
190	Confirmation of the topology of the Wendelstein 7-X magnetic field to better than 1:100,000. <i>Nature Communications</i> , 2016 , 7, 13493	17.4	66
189	Improved confinement in JET high- β plasmas with an ITER-like wall. <i>Nuclear Fusion</i> , 2015 , 55, 053031	3.3	63
188	Power exhaust by SOL and pedestal radiation at ASDEX Upgrade and JET. <i>Nuclear Materials and Energy</i> , 2017 , 12, 111-118	2.1	61
187	Stationary Zonal Flows during the Formation of the Edge Transport Barrier in the JET Tokamak. <i>Physical Review Letters</i> , 2016 , 116, 065002	7.4	59
186	Overview of the JET results with the ITER-like wall. <i>Nuclear Fusion</i> , 2013 , 53, 104002	3.3	58
185	WALLDYN simulations of global impurity migration in JET and extrapolations to ITER. <i>Nuclear Fusion</i> , 2015 , 55, 053015	3.3	55
184	Status and prospects for mm-wave reflectometry in ITER. <i>Nuclear Fusion</i> , 2006 , 46, S836-S845	3.3	55

183	WEST Physics Basis. <i>Nuclear Fusion</i> , 2015 , 55, 063017	3-3	54
182	Dual sightline measurements of MeV range deuterons with neutron and gamma-ray spectroscopy at JET. <i>Nuclear Fusion</i> , 2015 , 55, 123026	3-3	51
181	Core turbulent transport in tokamak plasmas: bridging theory and experiment with QuaLiKiz. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 014036	2	45
180	First dust study in JET with the ITER-like wall: sampling, analysis and classification. <i>Nuclear Fusion</i> , 2015 , 55, 113033	3-3	43
179	Overview of JET results. <i>Nuclear Fusion</i> , 2009 , 49, 104006	3-3	43
178	Influence of the E \times B drift in high recycling divertors on target asymmetries. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 095002	2	41
177	The impact of poloidal asymmetries on tungsten transport in the core of JET H-mode plasmas. <i>Physics of Plasmas</i> , 2015 , 22, 055902	2.1	40
176	Three-dimensional non-linear magnetohydrodynamic modeling of massive gas injection triggered disruptions in JET. <i>Physics of Plasmas</i> , 2015 , 22, 062509	2.1	40
175	Ion target impact energy during Type I edge localized modes in JET ITER-like Wall. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 085006	2	38
174	Scaling of the MHD perturbation amplitude required to trigger a disruption and predictions for ITER. <i>Nuclear Fusion</i> , 2016 , 56, 026007	3-3	38
173	Progress in understanding disruptions triggered by massive gas injection via 3D non-linear MHD modelling with JOREK. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 014006	2	36
172	Overview of the JET ITER-like wall divertor. <i>Nuclear Materials and Energy</i> , 2017 , 12, 499-505	2.1	36
171	Runaway electron beam generation and mitigation during disruptions at JET-ILW. <i>Nuclear Fusion</i> , 2015 , 55, 093013	3-3	36
170	Overview of TJ-II experiments. <i>Nuclear Fusion</i> , 2005 , 45, S266-S275	3-3	36
169	Overview of JET results. <i>Nuclear Fusion</i> , 2003 , 43, 1540-1554	3-3	35
168	JET and COMPASS asymmetrical disruptions. <i>Nuclear Fusion</i> , 2015 , 55, 113006	3-3	34
167	Overview of the JET results. <i>Nuclear Fusion</i> , 2015 , 55, 104001	3-3	34
166	Multi-machine scaling of the main SOL parallel heat flux width in tokamak limiter plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 074005	2	33

165	First neutron spectroscopy measurements with a pixelated diamond detector at JET. <i>Review of Scientific Instruments</i> , 2016 , 87, 11D833	1.7	33
164	The role of MHD in causing impurity peaking in JET hybrid plasmas. <i>Nuclear Fusion</i> , 2016 , 56, 066002	3.3	31
163	Real-time control of divertor detachment in H-mode with impurity seeding using Langmuir probe feedback in JET-ITER-like wall. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 045001	2	31
162	The effects of impurities and core pressure on pedestal stability in Joint European Torus (JET)a). <i>Physics of Plasmas</i> , 2015 , 22, 056115	2.1	30
161	Gamma-ray spectroscopy at MHz counting rates with a compact LaBr detector and silicon photomultipliers for fusion plasma applications. <i>Review of Scientific Instruments</i> , 2016 , 87, 11E714	1.7	30
160	Studies of dust from JET with the ITER-Like Wall: Composition and internal structure. <i>Nuclear Materials and Energy</i> , 2017 , 12, 582-587	2.1	29
159	Inferring divertor plasma properties from hydrogen Balmer and Paschen series spectroscopy in JET-ILW. <i>Nuclear Fusion</i> , 2015 , 55, 123028	3.3	28
158	Confinement and stability on the TJ-II stellarator. <i>Plasma Physics and Controlled Fusion</i> , 2002 , 44, B307-B322		28
157	Plasma flow, turbulence and magnetic islands in TJ-II. <i>Nuclear Fusion</i> , 2016 , 56, 026011	3.3	27
156	Discriminating the trapped electron modes contribution in density fluctuation spectra. <i>Nuclear Fusion</i> , 2015 , 55, 093021	3.3	27
155	Benchmark experiments on neutron streaming through JET Torus Hall penetrations. <i>Nuclear Fusion</i> , 2015 , 55, 053028	3.3	26
154	Transport analysis and modelling of the evolution of hollow density profiles plasmas in JET and implication for ITER. <i>Nuclear Fusion</i> , 2015 , 55, 123001	3.3	26
153	Key impact of finite-beta and fast ions in core and edge tokamak regions for the transition to advanced scenarios. <i>Nuclear Fusion</i> , 2015 , 55, 053007	3.3	26
152	Study of Doppler reflectometry capability to determine the perpendicular velocity and the k-spectrum of the density fluctuations using a 2D full-wave code. <i>Plasma Physics and Controlled Fusion</i> , 2008 , 50, 095011	2	26
151	Understanding the physics of ELM pacing via vertical kicks in JET in view of ITER. <i>Nuclear Fusion</i> , 2016 , 56, 026001	3.3	25
150	Scale-selective turbulence reduction in H-mode plasmas in the TJ-II stellarator. <i>Physics of Plasmas</i> , 2011 , 18, 102302	2.1	25
149	Doppler reflectometry studies using a two-dimensional full-wave code. <i>Plasma Physics and Controlled Fusion</i> , 2006 , 48, 699-714	2	25
148	Plasma impact on diagnostic mirrors in JET. <i>Nuclear Materials and Energy</i> , 2017 , 12, 506-512	2.1	24

147	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	2.1	23
146	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 ¹⁻⁷	1.7	23
145	On the role of spectral resolution in velocity shear layer measurements by Doppler reflectometry. <i>Review of Scientific Instruments</i> , 2010 , 81, 10D901	1.7	23
144	Plasma confinement at JET. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 014034	2	23
143	Performance of the prototype LaBr spectrometer developed for the JET gamma-ray camera upgrade. <i>Review of Scientific Instruments</i> , 2016 , 87, 11E717	1.7	23
142	Deep learning for plasma tomography using the bolometer system at JET. <i>Fusion Engineering and Design</i> , 2017 , 114, 18-25	1.7	22
141	Challenges in the extrapolation from DD to DT plasmas: experimental analysis and theory based predictions for JET-DT. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 014023	2	22
140	Overview of TJ-II experiments. <i>Nuclear Fusion</i> , 2011 , 51, 094022	3.3	22
139	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	1.7	22
138	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	3.3	21
137	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	21
136	Experimental turbulence studies for gyro-kinetic code validation using advanced microwave diagnostics. <i>Nuclear Fusion</i> , 2015 , 55, 083027	3.3	21
135	Fast-ion energy resolution by one-step reaction gamma-ray spectrometry. <i>Nuclear Fusion</i> , 2016 , 56, 046009	3.3	21
134	Two-dimensional full-wave simulations of radial correlation Doppler reflectometry in linear and non-linear regimes. <i>Plasma Physics and Controlled Fusion</i> , 2013 , 55, 125006	2	20
133	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	20
132	Limit cycle oscillations at the L-H transition in TJ-II plasmas: triggering, temporal ordering and radial propagation. <i>Nuclear Fusion</i> , 2015 , 55, 063005	3.3	18
131	Experimental investigation of geodesic acoustic modes on JET using Doppler backscattering. <i>Nuclear Fusion</i> , 2016 , 56, 106026	3.3	18
130	Asymmetric toroidal eddy currents (ATEC) to explain sideways forces at JET. <i>Nuclear Fusion</i> , 2016 , 56, 106010	3.3	18

129	Impact of divertor geometry on radiative divertor performance in JET H-mode plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 045011	2	17
128	Neutronics experiments and analyses in preparation of DT operations at JET. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 895-905	1.7	17
127	Non-linear MHD simulations of ELMs in JET and quantitative comparisons to experiments. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 014026	2	17
126	Spatial, temporal and spectral structure of the turbulence-flow interaction at the L-H transition. <i>Plasma Physics and Controlled Fusion</i> , 2012 , 54, 124024	2	17
125	Velocity shear layer measurements by reflectometry in TJ-II plasmas. <i>Nuclear Fusion</i> , 2006 , 46, S792-S798.	3	17
124	ITER oriented neutronics benchmark experiments on neutron streaming and shutdown dose rate at JET. <i>Fusion Engineering and Design</i> , 2017 , 123, 171-176	1.7	16
123	Sawtooth pacing with on-axis ICRH modulation in JET-ILW. <i>Nuclear Fusion</i> , 2017 , 57, 036027	3.3	16
122	Axisymmetric oscillations at L-H transitions in JET: M-mode. <i>Nuclear Fusion</i> , 2017 , 57, 022021	3.3	16
121	Influence of Low-Order Rational Surfaces on the Radial Electric Field of TJ-II ECH Plasmas. <i>Contributions To Plasma Physics</i> , 2010 , 50, 605-609	1.4	16
120	L to H mode transition: parametric dependencies of the temperature threshold. <i>Nuclear Fusion</i> , 2015 , 55, 073015	3.3	15
119	Turbulence radial correlation length measurements using Doppler reflectometry in TJ-II. <i>Nuclear Fusion</i> , 2014 , 54, 072001	3.3	15
118	L-H Transition Experiments in TJ-II. <i>Contributions To Plasma Physics</i> , 2010 , 50, 501-506	1.4	15
117	Micro-/nano-characterization of the surface structures on the divertor tiles from JET ITER-like wall. <i>Fusion Engineering and Design</i> , 2017 , 116, 1-4	1.7	14
116	Global and pedestal confinement and pedestal structure in dimensionless collisionality scans of low-triangularity H-mode plasmas in JET-ILW. <i>Nuclear Fusion</i> , 2017 , 57, 016012	3.3	14
115	Experimental evaluation of stable long term operation of semiconductor magnetic sensors at ITER relevant environment. <i>Nuclear Fusion</i> , 2015 , 55, 083006	3.3	14
114	Improved ERO modelling for spectroscopy of physically and chemically assisted eroded beryllium from the JET-ILW. <i>Nuclear Materials and Energy</i> , 2016 , 9, 604-609	2.1	14
113	Application of transfer entropy to causality detection and synchronization experiments in tokamaks. <i>Nuclear Fusion</i> , 2016 , 56, 026006	3.3	14
112	Confinement in Wendelstein 7-X limiter plasmas. <i>Nuclear Fusion</i> , 2017 , 57, 086010	3.3	14

111	Radiation asymmetries during the thermal quench of massive gas injection disruptions in JET. <i>Nuclear Fusion</i> , 2015 , 55, 123027	3.3	14
110	A new approach to detect coherent modes using microwave reflectometry. <i>Nuclear Fusion</i> , 2012 , 52, 082002	3.3	14
109	Energy balance in JET. <i>Nuclear Materials and Energy</i> , 2017 , 12, 227-233	2.1	13
108	Enhanced Doppler reflectometry power response: physical optics and 2D full wave modelling. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 035005	2	13
107	Plasma edge and plasma-wall interaction modelling: Lessons learned from metallic devices. <i>Nuclear Materials and Energy</i> , 2017 , 12, 3-17	2.1	13
106	3D effects on transport and plasma control in the TJ-II stellarator. <i>Nuclear Fusion</i> , 2017 , 57, 102022	3.3	13
105	Transport studies using laser blow-off injection of low-Z trace impurities injected into the TJ-II stellarator. <i>Nuclear Fusion</i> , 2011 , 51, 063015	3.3	13
104	Radial electric field in JET advanced tokamak scenarios with toroidal field ripple. <i>Plasma Physics and Controlled Fusion</i> , 2009 , 51, 055005	2	13
103	Benchmarking the GENE and GYRO codes through the relative roles of electromagnetic and $E \times B$ stabilization in JET high-performance discharges. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 125018	2	13
102	Neutron emission spectroscopy of DT plasmas at enhanced energy resolution with diamond detectors. <i>Review of Scientific Instruments</i> , 2016 , 87, 11D822	1.7	13
101	Possible influence of near SOL plasma on the H-mode power threshold. <i>Nuclear Materials and Energy</i> , 2017 , 12, 273-277	2.1	12
100	Structure, tritium depth profile and desorption from plasma-facing beryllium materials of ITER-Like-Wall at JET. <i>Nuclear Materials and Energy</i> , 2017 , 12, 642-647	2.1	12
99	Radiation damage and nuclear heating studies in selected functional materials during the JET DT campaign. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 1011-1015	1.7	12
98	Gyrokinetic study of turbulence suppression in a JET-ILW power scan. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 115005	2	12
97	Response function of single crystal synthetic diamond detectors to 1-4 MeV neutrons for spectroscopy of D plasmas. <i>Review of Scientific Instruments</i> , 2016 , 87, 11D823	1.7	12
96	Beryllium film deposition in cavity samples in remote areas of the JET divertor during the 2011-2012 ITER-like wall campaign. <i>Nuclear Materials and Energy</i> , 2017 , 12, 548-552	2.1	11
95	Diagnostic application of magnetic islands rotation in JET. <i>Nuclear Fusion</i> , 2016 , 56, 076004	3.3	11
94	Towards a new image processing system at Wendelstein 7-X: From spatial calibration to characterization of thermal events. <i>Review of Scientific Instruments</i> , 2018 , 89, 123503	1.7	11

93	Technical preparations for the in-vessel 14 MeV neutron calibration at JET. <i>Fusion Engineering and Design</i> , 2017 , 117, 107-114	1.7	10
92	JET experiments with tritium and deuterium mixtures. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 925-936	1.7	10
91	Erosion at the inner wall of JET during the discharge campaign 2013-2014. <i>Nuclear Materials and Energy</i> , 2017 , 11, 20-24	2.1	10
90	Deuterium retention in the divertor tiles of JET ITER-Like wall. <i>Nuclear Materials and Energy</i> , 2017 , 12, 655-661	2.1	10
89	An analytical expression for ion velocities at the wall including the sheath electric field and surface biasing for erosion modeling at JET ILW. <i>Nuclear Materials and Energy</i> , 2017 , 12, 341-345	2.1	10
88	Magnetic well scan and confinement in the TJ-II stellarator. <i>Nuclear Fusion</i> , 2015 , 55, 113014	3.3	10
87	Two-dimensional full-wave code for reflectometry simulations in TJ-II. <i>Review of Scientific Instruments</i> , 2004 , 75, 3822-3824	1.7	10
86	High power neon seeded JET discharges: Experiments and simulations. <i>Nuclear Materials and Energy</i> , 2017 , 12, 882-886	2.1	9
85	Upgrade of the tangential gamma-ray spectrometer beam-line for JET DT experiments. <i>Fusion Engineering and Design</i> , 2017 , 123, 749-753	1.7	9
84	Status of ITER material activation experiments at JET. <i>Fusion Engineering and Design</i> , 2017 , 124, 1150-1155	1.5	9
83	A tool to support the construction of reliable disruption databases. <i>Fusion Engineering and Design</i> , 2017 , 125, 139-153	1.7	9
82	Bayesian electron density inference from JET lithium beam emission spectra using Gaussian processes. <i>Nuclear Fusion</i> , 2017 , 57, 036017	3.3	9
81	Synthetic Diagnostics in the European Union Integrated Tokamak Modelling Simulation Platform. <i>Fusion Science and Technology</i> , 2013 , 63, 1-8	1.1	9
80	Parametric Dependence of the Perpendicular Velocity Shear Layer Formation in TJ-II Plasmas. <i>Plasma and Fusion Research</i> , 2008 , 3, S1057-S1057	0.5	9
79	Gyrokinetic modeling of impurity peaking in JET H-mode plasmas. <i>Physics of Plasmas</i> , 2017 , 24, 062511	2.1	9
78	Advanced design of the Mechanical Tritium Pumping System for JET DTE2. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 359-364	1.7	9
77	Hardware architecture of the data acquisition and processing system for the JET Neutron Camera Upgrade (NCU) project. <i>Fusion Engineering and Design</i> , 2017 , 123, 873-876	1.7	8
76	Plasma isotopic changeover experiments in JET under carbon and ITER-like wall conditions. <i>Nuclear Fusion</i> , 2015 , 55, 043021	3.3	8

75	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. <i>Fusion Engineering and Design</i> , 2016 , 106, 93-98	1.7	8
74	Overview of recent TJ-II stellarator results. <i>Nuclear Fusion</i> , 2019 , 59, 112019	3.3	8
73	Response of the imaging cameras to hard radiation during JET operation. <i>Fusion Engineering and Design</i> , 2017 , 123, 669-673	1.7	8
72	Overview of TJ-II experiments. <i>Nuclear Fusion</i> , 2007 , 47, S677-S685	3.3	8
71	An FPGA-based bolometer for the MAST-U Super-X divertor. <i>Review of Scientific Instruments</i> , 2016 , 87, 11E721	1.7	8
70	Bayesian modelling of the emission spectrum of the Joint European Torus Lithium Beam Emission Spectroscopy system. <i>Review of Scientific Instruments</i> , 2016 , 87, 023501	1.7	8
69	How to assess the efficiency of synchronization experiments in tokamaks. <i>Nuclear Fusion</i> , 2016 , 56, 076008	3.3	8
68	The emissivity of W coatings deposited on carbon materials for fusion applications. <i>Fusion Engineering and Design</i> , 2017 , 114, 192-195	1.7	7
67	Comparative H-mode density limit studies in JET and AUG. <i>Nuclear Materials and Energy</i> , 2017 , 12, 100-110	1.7	7
66	Transport, stability and plasma control studies in the TJ-II stellarator. <i>Nuclear Fusion</i> , 2015 , 55, 104014	3.3	7
65	Real-time control of ELM and sawtooth frequencies: similarities and differences. <i>Nuclear Fusion</i> , 2016 , 56, 016008	3.3	7
64	Real time control developments at JET in preparation for deuterium-tritium operation. <i>Fusion Engineering and Design</i> , 2017 , 123, 535-540	1.7	7
63	Trapped electron mode driven electron heat transport in JET: experimental investigation and gyro-kinetic theory validation. <i>Nuclear Fusion</i> , 2015 , 55, 113016	3.3	7
62	Extending helium partial pressure measurement technology to JET DTE2 and ITER. <i>Review of Scientific Instruments</i> , 2016 , 87, 11D442	1.7	7
61	On the mechanisms governing gas penetration into a tokamak plasma during a massive gas injection. <i>Nuclear Fusion</i> , 2017 , 57, 016027	3.3	6
60	The effect of lower hybrid waves on JET plasma rotation. <i>Nuclear Fusion</i> , 2017 , 57, 034002	3.3	6
59	Turbulent transport analysis of JET H-mode and hybrid plasmas using QualiKiz and Trapped Gyro Landau Fluid. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 035003	2	6
58	In situ wavelength calibration of the edge CXS spectrometers on JET. <i>Review of Scientific Instruments</i> , 2016 , 87, 11E525	1.7	6

57	JET experience on managing radioactive waste and implications for ITER. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 979-985	1.7	6
56	Measurement of the tilt angle of turbulent structures in magnetically confined plasmas using Doppler reflectometry. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 105009	2	6
55	The isotope effect on divertor conditions and neutral pumping in horizontal divertor configurations in JET-ILW Ohmic plasmas. <i>Nuclear Materials and Energy</i> , 2017 , 12, 791-797	2.1	6
54	Magnetic Resonances in ECR-Heated Plasmas of the TJ-II Helic. <i>Contributions To Plasma Physics</i> , 2010 , 50, 600-604	1.4	6
53	ITER-like antenna capacitors voltage probes: Circuit/electromagnetic calculations and calibrations. <i>Review of Scientific Instruments</i> , 2016 , 87, 104705	1.7	6
52	Commissioning and first results of the reinstated JET ICRF ILA. <i>Fusion Engineering and Design</i> , 2017 , 123, 285-288	1.7	5
51	The preparation of the Shutdown Dose Rate experiment for the next JET Deuterium-Tritium campaign. <i>Fusion Engineering and Design</i> , 2017 , 123, 1039-1043	1.7	5
50	Expanding the role of impurity spectroscopy for investigating the physics of high-Z dissipative divertors. <i>Nuclear Materials and Energy</i> , 2017 , 12, 91-99	2.1	5
49	Main chamber wall plasma loads in JET-ITER-like wall at high radiated fraction. <i>Nuclear Materials and Energy</i> , 2017 , 12, 234-240	2.1	5
48	Integrated core-divertor modelling for ITER including impurity: effect of tungsten on fusion performance in H-mode and hybrid scenario. <i>Nuclear Fusion</i> , 2015 , 55, 053032	3.3	5
47	Evaluation of reconstruction errors and identification of artefacts for JET gamma and neutron tomography. <i>Review of Scientific Instruments</i> , 2016 , 87, 013502	1.7	5
46	Global optimization driven by genetic algorithms for disruption predictors based on APODIS architecture. <i>Fusion Engineering and Design</i> , 2016 , 112, 1014-1018	1.7	5
45	Advances in understanding and utilising ELM control in JET. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 014017	2	5
44	Edge profile analysis of Joint European Torus (JET) Thomson scattering data: Quantifying the systematic error due to edge localised mode synchronisation. <i>Review of Scientific Instruments</i> , 2016 , 87, 013507	1.7	5
43	JET diagnostic enhancements in preparation for DT operations. <i>Review of Scientific Instruments</i> , 2016 , 87, 11D443	1.7	5
42	Comparison of dust transport modelling codes in a tokamak plasma. <i>Physics of Plasmas</i> , 2016 , 23, 102506.1	1	5
41	Determining the prediction limits of models and classifiers with applications for disruption prediction in JET. <i>Nuclear Fusion</i> , 2017 , 57, 016024	3.3	4
40	Sparse representation of signals: from astrophysics to real-time data analysis for fusion plasmas and system optimization analysis for ITER and TCV. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 123001	2	4

39	Plasma turbulence measured with fast frequency swept reflectometry in JET H-mode plasmas. <i>Nuclear Fusion</i> , 2016 , 56, 126019	3.3	4
38	Stabilization of sawteeth with third harmonic deuterium ICRF-accelerated beam in JET plasmas. <i>Physics of Plasmas</i> , 2016 , 23, 012505	2.1	4
37	Quartz micro-balance results of pulse-resolved erosion/deposition in the JET-ILW divertor. <i>Nuclear Materials and Energy</i> , 2017 , 12, 478-482	2.1	4
36	Development of MPPC-based detectors for high count rate DT campaigns at JET. <i>Fusion Engineering and Design</i> , 2017 , 123, 940-944	1.7	4
35	The global build-up to intrinsic edge localized mode bursts seen in divertor full flux loops in JET. <i>Physics of Plasmas</i> , 2015 , 22, 072506	2.1	4
34	Conceptual Design of the Mechanical Tritium Pumping System for JET DTE2. <i>Fusion Science and Technology</i> , 2015 , 68, 630-634	1.1	4
33	Transport analysis in an electron cyclotron heating power scan of TJ-II plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2014 , 56, 075024	2	4
32	Dynamics of flows and confinement in the TJ-II stellarator. <i>Nuclear Fusion</i> , 2013 , 53, 104016	3.3	4
31	A note on asymmetry effects in x-mode reflectometry. <i>Nuclear Fusion</i> , 2006 , 46, S824-S828	3.3	4
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