Jose Luis De Pablos

List of Publications by Year
in descending order

453 papers	8,590 citations	61984 43 h-index	138484 58 g-index
453 all docs	453 docs citations	453 times ranked	3558 citing authors

#	Article	IF	Citations
1	2D distributions of potential and density mean-values and oscillations in the ECRH and NBI plasmas at the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2022, 64, 054009.	2.1	8
2	Experimental observation of the geodesic acoustic frequency limit for the NBI-driven AlfvÃ©n eigenmodes in TJ-II. Physics of Plasmas, 2021, 28, 072510.	1.9	9
3	Measurements of 2D poloidal plasma profiles and fluctuations in ECRH plasmas using the heavy ion beam probe system in the TJ-II stellarator. Physics of Plasmas, 2020, 27, .	1.9	9
4	Measuring fast ions in fusion plasmas with neutron diagnostics at JET. Plasma Physics and Controlled Fusion, 2019, 61, 014027.	2.1	23
5	Isotope identity experiments in JET-ILW with H and D L-mode plasmas. Nuclear Fusion, 2019, 59, 076028.	3.5	31
6	Role of the pedestal position on the pedestal performance in AUG, JET-ILW and TCV and implications for ITER. Nuclear Fusion, 2019, 59, 076038.	3.5	43
7	Overview of recent TJ-II stellarator results. Nuclear Fusion, 2019, 59, 112019.	3.5	12
8	Direct gyrokinetic comparison of pedestal transport in JET with carbon and ITER-like walls. Nuclear Fusion, 2019, 59, 086056.	3.5	53
9	EDGE2D-EIRENE simulations of the influence of isotope effects and anomalous transport coefficients on near scrape-off layer radial electric field. Plasma Physics and Controlled Fusion, 2019, 61, 075010.	2.1	11
10	Density profile reconstruction using HIBP in ECRH plasmas in the TJ-II stellarator. Journal of Instrumentation, 2019, 14, C09033-C09033.	1.2	16
11	Modelling of beam-driven AlfvÃ©n modes in TJ-II plasmas. Nuclear Fusion, 2019, 59, 056002.	3.5	3
12	Determination of isotope ratio in the divertor of JET-ILW by high-resolution HÎ± spectroscopy: Hâ€“D experiment and implications for Dâ€“T experiment. Nuclear Fusion, 2019, 59, 046011.	3.5	23
13	Heavy ion beam probe design and operation on the T-10 tokamak. Fusion Engineering and Design, 2019, 146, 850-853.	1.9	17
14	Modelling of tungsten erosion and deposition in the divertor of JET-ILW in comparison to experimental findings. Nuclear Materials and Energy, 2019, 18, 239-244.	1.3	24
15	A locked mode indicator for disruption prediction on JET and ASDEX upgrade. Fusion Engineering and Design, 2019, 138, 254-266.	1.9	8
16	The software and hardware architecture of the real-time protection of in-vessel components in JET-ILW. Nuclear Fusion, 2019, 59, 076016.	3.5	9
17	Impact of fast ions on density peaking in JET: fluid and gyrokinetic modeling. Plasma Physics and Controlled Fusion, 2019, 61, 075008.	2.1	3
18	Geodesic acoustic mode evolution in L-mode approaching the Lâ€“H transition on JET. Plasma Physics and Controlled Fusion, 2019, 61, 075007.	2.1	6

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19	Dynamic modelling of local fuel inventory and desorption in the whole tokamak vacuum vessel for auto-consistent plasma-wall interaction simulations. Nuclear Materials and Energy, 2019, 19, 550-557.	1.3	12
20	Energetic ion losses â€˜channelingâ€™ mechanism and strategy for mitigation. Plasma Physics and Controlled Fusion, 2019, 61, 084008.	2.1	1
21	Beryllium global erosion and deposition at JET-ILW simulated with ERO2.0. Nuclear Materials and Energy, 2019, 18, 331-338.	1.3	36
22	Scenario development for Dâ€“T operation at JET. Nuclear Fusion, 2019, 59, 076037.	3.5	46
23	Diagnostic of fast-ion energy spectra and densities in magnetized plasmas. Journal of Instrumentation, 2019, 14, C05019-C05019.	1.2	12
24	Modelling of the effect of ELMs on fuel retention at the bulk W divertor of JET. Nuclear Materials and Energy, 2019, 19, 397-402.	1.3	7
25	Simulation of neutron emission in neutral beam injection heated plasmas with the real-time code RABBIT. Nuclear Fusion, 2019, 59, 086002.	3.5	8
26	Comparison of the structure of the plasma-facing surface and tritium accumulation in beryllium tiles from JET ILW campaigns 2011â€“2012 and 2013â€“2014. Nuclear Materials and Energy, 2019, 19, 131-136.	1.3	7
27	RF sheath modeling of experimentally observed plasma surface interactions with the JET ITER-Like Antenna. Nuclear Materials and Energy, 2019, 19, 324-329.	1.3	5
28	An assessment of nitrogen concentrations from spectroscopic measurements in the JET and ASDEX upgrade divertor. Nuclear Materials and Energy, 2019, 18, 147-152.	1.3	8
29	Beryllium melting and erosion on the upper dump plates in JET during three ITER-like wall campaigns. Nuclear Fusion, 2019, 59, 086009.	3.5	45
30	Improved ERO modelling of beryllium erosion at ITER upper first wall panel using JET-ILW and PISCES-B experience. Nuclear Materials and Energy, 2019, 19, 510-515.	1.3	15
31	On a fusion born triton effect in JET deuterium discharges with H-minority ion cyclotron range of frequencies heating. Nuclear Fusion, 2019, 59, 064001.	3.5	4
32	The effect of beryllium oxide on retention in JET ITER-like wall tiles. Nuclear Materials and Energy, 2019, 19, 346-351.	1.3	15
33	Deposition of impurity metals during campaigns with the JET ITER-like Wall. Nuclear Materials and Energy, 2019, 19, 218-224.	1.3	23
34	Investigation of deuterium trapping and release in the JET ITER-like wall divertor using TDS and TMAP. Nuclear Materials and Energy, 2019, 19, 166-178.	1.3	18
35	Investigation of deuterium trapping and release in the JET divertor during the third ILW campaign using TDS. Nuclear Materials and Energy, 2019, 19, 300-306.	1.3	11
36	First mirror test in JET for ITER: Complete overview after three ILW campaigns. Nuclear Materials and Energy, 2019, 19, 59-66.	1.3	24

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37	Tritium distributions on W-coated divertor tiles used in the third JET ITER-like wall campaign. Nuclear Materials and Energy, 2019, 18, 258-261.	1.3	10
38	Fast ion synergistic effects in JET high performance pulses. Nuclear Fusion, 2019, 59, 056005.	3.5	15
39	Application of Gaussian process regression to plasma turbulent transport model validation via integrated modelling. Nuclear Fusion, 2019, 59, 056007.	3.5	39
40	Population modelling of the He II energy levels in tokamak plasmas: I. Collisional excitation model. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 045001.	1.5	1
41	Approximate analytic expressions using Stokes model for tokamak polarimetry and their range of validity. Plasma Physics and Controlled Fusion, 2019, 61, 055008.	2.1	5
42	Radial variation of heat transport in L-mode JET discharges. Nuclear Fusion, 2019, 59, 056006.	3.5	3
43	Long-lived coupled peeling ballooning modes preceding ELMs on JET. Nuclear Fusion, 2019, 59, 056004.	3.5	11
44	Micro ion beam analysis for the erosion of beryllium marker tiles in a tokamak limiter. Nuclear Instruments & Methods in Physics Research B, 2019, 450, 200-204.	1.4	1
45	Impact of ICRF on the scrape-off layer and on plasma wall interactions: From present experiments to fusion reactor. Nuclear Materials and Energy, 2019, 18, 131-140.	1.3	34
46	Gyrokinetic simulations of toroidal AlfvÃ©n eigenmodes excited by energetic ions and external antennas on the Joint European Torus. Nuclear Fusion, 2019, 59, 026008.	3.5	7
47	Analysis of deposited layers with deuterium and impurity elements on samples from the divertor of JET with ITER-like wall. Journal of Nuclear Materials, 2019, 516, 202-213.	2.7	18
48	Analysis of the outer divertor hot spot activity in the protection video camera recordings at JET. Fusion Engineering and Design, 2019, 139, 115-123.	1.9	3
49	Material migration and fuel retention studies during the JET carbon divertor campaigns. Fusion Engineering and Design, 2019, 138, 78-108.	1.9	25
50	Determination of tungsten sources in the JET-ILW divertor by spectroscopic imaging in the presence of a strong plasma continuum. Nuclear Materials and Energy, 2019, 18, 118-124.	1.3	16
51	Improved neutron activation dosimetry for fusion. Fusion Engineering and Design, 2019, 139, 109-114.	1.9	7
52	Full-orbit and drift calculations of fusion product losses due to explosive fishbones on JET. Nuclear Fusion, 2019, 59, 016004.	3.5	9
53	Current Research into Applications of Tomography for Fusion Diagnostics. Journal of Fusion Energy, 2019, 38, 458-466.	1.2	33
54	Runaway electron beam control. Plasma Physics and Controlled Fusion, 2019, 61, 014036.	2.1	26

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55	Testing of tritium breeder blanket activation foil spectrometer during JET operations. Fusion Engineering and Design, 2018, 136, 258-264.	1.9	7
56	Adaptive predictors based on probabilistic SVM for real time disruption mitigation on JET. Nuclear Fusion, 2018, 58, 056002.	3.5	44
57	Scenario development for the observation of alpha-driven instabilities in JET DT plasmas. Nuclear Fusion, 2018, 58, 082005.	3.5	34
58	Characterisation of neutron generators and monitoring detectors for the in-vessel calibration of JET. Fusion Engineering and Design, 2018, 136, 233-238.	1.9	5
59	Multi-machine analysis of termination scenarios with comparison to simulations of controlled shutdown of ITER discharges. Nuclear Fusion, 2018, 58, 026019.	3.5	20
60	Sub-millisecond electron density profile measurement at the JET tokamak with the fast lithium beam emission spectroscopy system. Review of Scientific Instruments, 2018, 89, 043509.	1.3	14
61	Non-Maxwellian fast particle effects in gyrokinetic GENE simulations. Physics of Plasmas, 2018, 25, .	1.9	29
62	On the potential of ruled-based machine learning for disruption prediction on JET. Fusion Engineering and Design, 2018, 130, 62-68.	1.9	10
63	MHD spectroscopy of JET plasmas with pellets via AlfvÃ©n eigenmodes. Nuclear Fusion, 2018, 58, 082008.	3.5	7
64	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
65	Evidence of9Beâ€‰â€‰+â€‰â€‰pnuclear reactions during 2Ï‰CHand hydrogen minority ICRH in JET-ILW hydrogen and deuterium plasmas. Nuclear Fusion, 2018, 58, 026033.	3.5	3
66	Detection and investigation of chirping AlfvÃ©n eigenmodes with heavy ion beam probe in the TJ-II stellarator. Nuclear Fusion, 2018, 58, 082019.	3.5	8
67	TAE stability calculations compared to TAE antenna results in JET. Nuclear Fusion, 2018, 58, 082007.	3.5	11
68	Divertor currents optimization procedure for JET-ILW high flux expansion experiments. Fusion Engineering and Design, 2018, 129, 115-119.	1.9	1
69	A multi-machine scaling of halo current rotation. Nuclear Fusion, 2018, 58, 016050.	3.5	18
70	Plasma-wall interaction on the divertor tiles of JET ITER-like wall from the viewpoint of micro/nanoscopic observations. Fusion Engineering and Design, 2018, 136, 199-204.	1.9	5
71	High fusion performance at highT_i/T_ein JET-ILW baseline plasmas with high NBI heating power and low gas puffing. Nuclear Fusion, 2018, 58, 036020.	3.5	23
72	Full-Pulse Tomographic Reconstruction with Deep Neural Networks. Fusion Science and Technology, 2018, 74, 47-56.	1.1	22

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73	Correlation of the tokamak H-mode density limit with ballooning stability at the separatrix. Nuclear Fusion, 2018, 58, 034001.	3.5	57
74	Neutron spectroscopy measurements of 14 MeV neutrons at unprecedented energy resolution and implications for deuteriumâ€“tritium fusion plasma diagnostics. Measurement Science and Technology, 2018, 29, 045502.	2.6	35
75	Versatile fusion source integrator AFSI for fast ion and neutron studies in fusion devices. Nuclear Fusion, 2018, 58, 016023.	3.5	17
76	Light impurity transport in JET ILW L-mode plasmas. Nuclear Fusion, 2018, 58, 036009.	3.5	13
77	14 MeV calibration of JET neutron detectorsâ€”phase 1: calibration and characterization of the neutron source. Nuclear Fusion, 2018, 58, 026012.	3.5	22
78	ERO modeling and sensitivity analysis of locally enhanced beryllium erosion by magnetically connected antennas. Nuclear Fusion, 2018, 58, 016046.	3.5	9
79	Modelling of JET DT experiments in ILW configurations. Contributions To Plasma Physics, 2018, 58, 739-745.	1.1	1
80	High-resolution tungsten spectroscopy relevant to the diagnostic of high-temperature tokamak plasmas. Physical Review A, 2018, 97, .	2.5	17
81	Bayesian Integrated Data Analysis of Fast-Ion Measurements by Velocity-Space Tomography. Fusion Science and Technology, 2018, 74, 23-36.	1.1	15
82	Modelling of the neutron production in a mixed beam DT neutron generator. Fusion Engineering and Design, 2018, 136, 1089-1093.	1.9	9
83	Analysis of possible improvement of the plasma performance in JET due to the inward spatial channelling of fast-ion energy. Nuclear Fusion, 2018, 58, 076012.	3.5	8
84	Control and data acquisition software upgrade for JET gamma-ray diagnostics. Fusion Engineering and Design, 2018, 128, 117-121.	1.9	4
85	Isotope effects on L-H threshold and confinement in tokamak plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 014045.	2.1	98
86	Investigation into the formation of the scrape-off layer density shoulder in JET ITER-like wall L-mode and H-mode plasmas. Nuclear Fusion, 2018, 58, 056001.	3.5	38
87	High Z neoclassical transport: Application and limitation of analytical formulae for modelling JET experimental parameters. Physics of Plasmas, 2018, 25, .	1.9	14
88	Dust generation in tokamaks: Overview of beryllium and tungsten dust characterisation in JET with the ITER-like wall. Fusion Engineering and Design, 2018, 136, 579-586.	1.9	52
89	Experimental validation of an analytical kinetic model for edge-localized modes in JET-ITER-like wall. Nuclear Fusion, 2018, 58, 066006.	3.5	20
90	ICRH antennaS-matrix measurements and plasma coupling characterisation at JET. Nuclear Fusion, 2018, 58, 046012.	3.5	5

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91	First observation of the depolarization of Thomson scattering radiation by a fusion plasma. Nuclear Fusion, 2018, 58, 044003.	3.5	0
92	Escaping alpha-particle monitor for burning plasmas. Nuclear Fusion, 2018, 58, 082009.	3.5	3
93	Nonlinear dynamic analysis of DÎ±signals for type I edge localized modes characterization on JET with a carbon wall. Plasma Physics and Controlled Fusion, 2018, 60, 025010.	2.1	3
94	Test particles dynamics in the JOREK 3D non-linear MHD code and application to electron transport in a disruption simulation. Nuclear Fusion, 2018, 58, 016043.	3.5	26
95	Analysis of ELM stability with extended MHD models in JET, JT-60U and future JT-60SA tokamak plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 014032.	2.1	17
96	Pedestal evolution physics in low triangularity JET tokamak discharges with ITER-like wall. Nuclear Fusion, 2018, 58, 016021.	3.5	14
97	Equilibrium reconstruction in an iron core tokamak using a deterministic magnetisation model. Computer Physics Communications, 2018, 223, 1-17.	7.5	12
98	On the universality of power laws for tokamak plasma predictions. Plasma Physics and Controlled Fusion, 2018, 60, 025028.	2.1	8
99	Comparison of runaway electron generation parameters in small, medium-sized and large tokamaksâ€"A survey of experiments in COMPASS, TCV, ASDEX-Upgrade and JET. Nuclear Fusion, 2018, 58, 016014.	3.5	12
100	Identification of BeO and BeOxDy in melted zones of the JET Be limiter tiles: Raman study using comparison with laboratory samples. Nuclear Materials and Energy, 2018, 17, 295-301.	1.3	20
101	Effect of the relative shift between the electron density and temperature pedestal position on the pedestal stability in JET-ILW and comparison with JET-C. Nuclear Fusion, 2018, 58, 056010.	3.5	38
102	On the Use of Transfer Entropy to Investigate the Time Horizon of Causal Influences between Signals. Entropy, 2018, 20, 627.	2.2	14
103	An improved model for the accurate calculation of parallel heat fluxes at the JET bulk tungsten outer divertor. Nuclear Fusion, 2018, 58, 106034.	3.5	6
104	Tritium retention characteristics in dust particles in JET with ITER-like wall. Nuclear Materials and Energy, 2018, 17, 279-283.	1.3	20
105	Shutdown dose rate measurements after the 2016 Deuterium-Deuterium campaign at JET. Fusion Engineering and Design, 2018, 136, 1348-1353.	1.9	5
106	Application of the VUV and the soft x-ray systems on JET for the study of intrinsic impurity behavior in neon seeded hybrid discharges. Review of Scientific Instruments, 2018, 89, 10D131.	1.3	4
107	3D non-linear MHD simulation of the MHD response and density increase as a result of shattered pellet injection. Nuclear Fusion, 2018, 58, 126025.	3.5	29
108	Application of the Denovo Discrete Ordinates Radiation Transport Code to Large-Scale Fusion Neutronics. Fusion Science and Technology, 2018, 74, 303-314.	1.1	5

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109	JET diagnostic enhancements testing and commissioning in preparation for DT scientific campaigns. Review of Scientific Instruments, 2018, 89, 10K119.	1.3	7
110	Dependence of the turbulent particle flux on hydrogen isotopes induced by collisionality. Physics of Plasmas, 2018, 25, 082517.	1.9	16
111	On the role of finite grid extent in SOLPS-ITER edge plasma simulations for JET H-mode discharges with metallic wall. Nuclear Materials and Energy, 2018, 17, 174-181.	1.3	8
112	Effects of nitrogen seeding on core ion thermal transport in JET ILW L-mode plasmas. Nuclear Fusion, 2018, 58, 026028.	3.5	17
113	Assessment of the baseline scenario atq₉₅~ 3 for ITER. Nuclear Fusion, 2018, 58, 126010.	3.5	26
114	Heat flux analysis of Type-I ELM impact on a sloped, protruding surface in the JET bulk tungsten divertor. Nuclear Materials and Energy, 2018, 17, 182-187.	1.3	3
115	Determination of 2D poloidal maps of the intrinsic W density for transport studies in JET-ILW. Review of Scientific Instruments, 2018, 89, 113501.	1.3	13
116	Neutron emission spectroscopy of D plasmas at JET with a compact liquid scintillating neutron spectrometer. Review of Scientific Instruments, 2018, 89, 10I113.	1.3	8
117	Real-time-capable prediction of temperature and density profiles in a tokamak using RAPTOR and a first-principle-based transport model. Nuclear Fusion, 2018, 58, 096006.	3.5	41
118	The upgraded JET gamma-ray cameras based on high resolution/high count rate compact spectrometers. Review of Scientific Instruments, 2018, 89, 10I116.	1.3	21
119	OVERVIEW OF NEUTRON MEASUREMENTS IN JET FUSION DEVICE. Radiation Protection Dosimetry, 2018, 180, 102-108.	0.8	3
120	Instrumentation for the upgrade to the JET core charge-exchange spectrometers. Review of Scientific Instruments, 2018, 89, 10D113.	1.3	23
121	Propagating transport-code input parameter uncertainties with deterministic sampling. Plasma Physics and Controlled Fusion, 2018, 60, 125010.	2.1	0
122	Synthetic spectra of BeH, BeD and BeT for emission modeling in JET plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 185701.	1.5	17
123	Assessment of the strength of kinetic effects of parallel electron transport in the SOL and divertor of JET high radiative H-mode plasmas using EDGE2D-EIRENE and KIPP codes. Plasma Physics and Controlled Fusion, 2018, 60, 115011.	2.1	12
124	Development of a new compact gamma-ray spectrometer optimised for runaway electron measurements. Review of Scientific Instruments, 2018, 89, 10I134.	1.3	12
125	First principles of modelling the stabilization of microturbulence by fast ions. Nuclear Fusion, 2018, 58, 082024.	3.5	22
126	Inter-ELM evolution of the edge current density in JET-ILW type I ELMy H-mode plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 085003.	2.1	4

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127	Impact of electron-scale turbulence and multi-scale interactions in the JET tokamak. Nuclear Fusion, 2018, 58, 124003.	3.5	23
128	Equilibrium reconstruction at JET using Stokes model for polarimetry. Nuclear Fusion, 2018, 58, 106032.	3.5	20
129	Generation of a plasma neutron source for Monte Carlo neutron transport calculations in the tokamak JET. Fusion Engineering and Design, 2018, 136, 1047-1051.	1.9	9
130	Shutdown dose rate neutronics experiment during high performances DD operations at JET. Fusion Engineering and Design, 2018, 136, 1545-1549.	1.9	5
131	Observation of enhanced ion particle transport in mixed H/D isotope plasmas on JET. Nuclear Fusion, 2018, 58, 076022.	3.5	20
132	Analysis of plasma termination in the JET hybrid scenario. Nuclear Fusion, 2018, 58, 076027.	3.5	9
133	Maximum likelihood bolometric tomography for the determination of the uncertainties in the radiation emission on JET TOKAMAK. Review of Scientific Instruments, 2018, 89, 053504.	1.3	25
134	Activation material selection for multiple foil activation detectors in JET TT campaign. Fusion Engineering and Design, 2018, 136, 988-992.	1.9	3
135	Preparation for commissioning of materials detritiation facility at Culham Science Centre. Fusion Engineering and Design, 2018, 136, 1391-1395.	1.9	5
136	Fast H isotope and impurity mixing in ion-temperature-gradient turbulence. Nuclear Fusion, 2018, 58, 076028.	3.5	33
137	W transport and accumulation control in the termination phase of JET H-mode discharges and implications for ITER. Plasma Physics and Controlled Fusion, 2018, 60, 074008.	2.1	26
138	Neutral pathways and heat flux widths in vertical- and horizontal-target EDGE2D-EIRENE simulations of JET. Nuclear Fusion, 2018, 58, 096029.	3.5	19
139	Activation Inventories after Exposure to DD/DT Neutrons in Safety Analysis of Nuclear Fusion Installations. Radiation Protection Dosimetry, 2018, 180, 125-128.	0.8	1
140	TLD calibration for neutron fluence measurements at JET fusion facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 904, 202-213.	1.6	7
141	Activation of ITER materials in JET: nuclear characterisation experiments for the long-term irradiation station. Nuclear Fusion, 2018, 58, 096013.	3.5	17
142	A First Analysis of JET Plasma Profile-Based Indicators for Disruption Prediction and Avoidance. IEEE Transactions on Plasma Science, 2018, 46, 2691-2698.	1.3	31
143	Correlation of surface chemical states with hydrogen isotope retention in divertor tiles of JET with ITER-Like Wall. Fusion Engineering and Design, 2018, 132, 24-28.	1.9	15
144	Integrated modelling of H-mode pedestal and confinement in JET-ILW. Plasma Physics and Controlled Fusion, 2018, 60, 014042.	2.1	40

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145	14 MeV calibration of JET neutron detectorsâ€"phase 2: in-vessel calibration. Nuclear Fusion, 2018, 58, 106016.	3.5	20
146	Real-time protection of the JET ITER-like wall based on near infrared imaging diagnostic systems. Nuclear Fusion, 2018, 58, 106021.	3.5	14
147	Electron acceleration in a JET disruption simulation. Nuclear Fusion, 2018, 58, 106022.	3.5	21
148	Modelling of JET hybrid plasmas with emphasis on performance of combined ICRF and NBI heating. Nuclear Fusion, 2018, 58, 106037.	3.5	29
149	Observations and modelling of ion cyclotron emission observed in JET plasmas using a sub-harmonic arc detection system during ion cyclotron resonance heating. Nuclear Fusion, 2018, 58, 096020.	3.5	14
150	ECRH effect on the electric potential and turbulence in the TJ-II stellarator and T-10 tokamak plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 084008.	2.1	23
151	Scaling of the geodesic acoustic mode amplitude on JET. Plasma Physics and Controlled Fusion, 2018, 60, 085006.	2.1	5
152	First principle integrated modeling of multi-channel transport including Tungsten in JET. Nuclear Fusion, 2018, 58, 096003.	3.5	22
153	Alpha heating, isotopic mass, and fast ion effects in deuteriumâ€"tritium experiments. Nuclear Fusion, 2018, 58, 096011.	3.5	3
154	Thermal desorption spectrometry of beryllium plasma facing tiles exposed in the JET tokamak. Fusion Engineering and Design, 2018, 133, 135-141.	1.9	19
155	On the mechanisms governing gas penetration into a tokamak plasma during a massive gas injection. Nuclear Fusion, 2017, 57, 016027.	3.5	8
156	Calculations to support JET neutron yield calibration: Modelling of neutron emission from a compact DT neutron generator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 847, 199-204.	1.6	12
157	High power neon seeded JET discharges: Experiments and simulations. Nuclear Materials and Energy, 2017, 12, 882-886.	1.3	13
158	Assessment of erosion, deposition and fuel retention in the JET-ILW divertor from ion beam analysis data. Nuclear Materials and Energy, 2017, 12, 559-563.	1.3	28
159	Beryllium film deposition in cavity samples in remote areas of the JET divertor during the 2011â€"2012 ITER-like wall campaign. Nuclear Materials and Energy, 2017, 12, 548-552.	1.3	14
160	Energy balance in JET. Nuclear Materials and Energy, 2017, 12, 227-233.	1.3	18
161	Possible influence of near SOL plasma on the H-mode power threshold. Nuclear Materials and Energy, 2017, 12, 273-277.	1.3	16
162	Progress in reducing ICRF-specific impurity release in ASDEX upgrade and JET. Nuclear Materials and Energy, 2017, 12, 1194-1198.	1.3	11

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163	Gyrokinetic study of turbulent convection of heavy impurities in tokamak plasmas at comparable ion and electron heat fluxes. Nuclear Fusion, 2017, 57, 022009.	3.5	27
164	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
165	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
166	Plasma impact on diagnostic mirrors in JET. Nuclear Materials and Energy, 2017, 12, 506-512.	1.3	25
167	Hybrid cancellation of ripple disturbances arising in AC/DC converters. Automatica, 2017, 77, 344-352.	5.0	5
168	Assessment of SOLPS5.0 divertor solutions with drifts and currents against L-mode experiments in ASDEX Upgrade and JET. Plasma Physics and Controlled Fusion, 2017, 59, 035003.	2.1	27
169	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
170	Generation of the neutron response function of an NE213 scintillator for fusion applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 866, 222-229.	1.6	5
171	Recent progress in the quantitative validation of JOREK simulations of ELMs in JET. Nuclear Fusion, 2017, 57, 076006.	3.5	25
172	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
173	Commissioning and first results of the reinstated JET ICRF ILA. Fusion Engineering and Design, 2017, 123, 285-288.	1.9	7
174	Impact of the JET ITER-like wall on H-mode plasma fueling. Nuclear Fusion, 2017, 57, 066024.	3.5	6
175	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	16.7	73
176	Correlation analysis for energy losses, waiting times and durations of type I edge-localized modes in the Joint European Torus. Nuclear Fusion, 2017, 57, 036026.	3.5	3
177	Thermal analysis of protruding surfaces in the JET divertor. Nuclear Fusion, 2017, 57, 066009.	3.5	1
178	Ion cyclotron resonance heating for tungsten control in various JET H-mode scenarios. Plasma Physics and Controlled Fusion, 2017, 59, 055001.	2.1	32
179	Classification of ELM types in Joint European Torus based on global plasma parameters using discriminant analysis. Fusion Engineering and Design, 2017, 123, 717-721.	1.9	1
180	Upgrade of the tangential gamma-ray spectrometer beam-line for JET DT experiments. Fusion Engineering and Design, 2017, 123, 749-753.	1.9	11

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