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List of Publications by Year
in descending order

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Version: 2024-02-01

374	7,340	71102	144013
papers	citations	41 h-index	57 g-index

376	376	376	3236
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	3.5	150
2	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
3	Isotope effects on L-H threshold and confinement in tokamak plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 014045.	2.1	98
4	Power exhaust by SOL and pedestal radiation at ASDEX Upgrade and JET. Nuclear Materials and Energy, 2017, 12, 111-118.	1.3	92
5	Experimental Validation of a Filament Transport Model in Turbulent Magnetized Plasmas. Physical Review Letters, 2015, 115, 215002.	7.8	89
6	Overview of the JET preparation for deuteriumâ€“tritium operation with the ITER like-wall. Nuclear Fusion, 2019, 59, 112021.	3.5	87
7	Beryllium migration in JET ITER-like wall plasmas. Nuclear Fusion, 2015, 55, 063021.	3.5	83
8	WEST Physics Basis. Nuclear Fusion, 2015, 55, 063017.	3.5	82
9	Pedestal confinement and stability in JET-ILW ELMy H-modes. Nuclear Fusion, 2015, 55, 113031.	3.5	82
10	Core turbulent transport in tokamak plasmas: bridging theory and experiment with QuaLiKiz. Plasma Physics and Controlled Fusion, 2016, 58, 014036.	2.1	81
11	Improved confinement in JET highÎ²plasmas with an ITER-like wall. Nuclear Fusion, 2015, 55, 053031.	3.5	79
12	Gyrokinetic analysis and simulation of pedestals to identify the culprits for energy losses using â€˜fingerprintsâ€™. Nuclear Fusion, 2019, 59, 096001.	3.5	76
13	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	16.7	73
14	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	3.5	70
15	WALLDYN simulations of global impurity migration in JET and extrapolations to ITER. Nuclear Fusion, 2015, 55, 053015.	3.5	67
16	Stationary Zonal Flows during the Formation of the Edge Transport Barrier in the JET Tokamak. Physical Review Letters, 2016, 116, 065002.	7.8	64
17	Dual sightline measurements of MeV range deuterons with neutron and gamma-ray spectroscopy at JET. Nuclear Fusion, 2015, 55, 123026.	3.5	60
18	Erosion, screening, and migration of tungsten in the JET divertor. Nuclear Fusion, 2019, 59, 096035.	3.5	60

#	Article	IF	Citations
19	Runaway electron beam generation and mitigation during disruptions at JET-ILW. Nuclear Fusion, 2015, 55, 093013.	3.5	58
20	Melt damage to the JET ITER-like Wall and divertor. Physica Scripta, 2016, T167, 014070.	2.5	58
21	Erosion and deposition in the JET divertor during the first ILW campaign. Physica Scripta, 2016, T167, 014051.	2.5	58
22	Tractable flux-driven temperature, density, and rotation profile evolution with the quasilinear gyrokinetic transport model QuaLiKiz. Plasma Physics and Controlled Fusion, 2017, 59, 124005.	2.1	57
23	Correlation of the tokamak H-mode density limit with ballooning stability at the separatrix. Nuclear Fusion, 2018, 58, 034001.	3.5	57
24	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
25	Influence of theEâ€‰â€‰Ã—â€‰â€‰Bdrift in high recycling divertors on target asymmetries. Plasma Physics and Controlled Fusion, 2015, 57, 095002.	2.1	56
26	Recent progress towards a quantitative description of filamentary SOL transport. Nuclear Fusion, 2017, 57, 056044.	3.5	56
27	Long-term fuel retention in JET ITER-like wall. Physica Scripta, 2016, T167, 014075.	2.5	52
28	MeV-range velocity-space tomography from gamma-ray and neutron emission spectrometry measurements at JET. Nuclear Fusion, 2017, 57, 056001.	3.5	52
29	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
30	First dust study in JET with the ITER-like wall: sampling, analysis and classification. Nuclear Fusion, 2015, 55, 113033.	3.5	51
31	Scaling of the MHD perturbation amplitude required to trigger a disruption and predictions for ITER. Nuclear Fusion, 2016, 56, 026007.	3.5	51
32	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	3.5	50
33	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
34	Overview of fuel inventory in JET with the ITER-like wall. Nuclear Fusion, 2017, 57, 086045.	3.5	47
35	Overview of JET results. Nuclear Fusion, 2009, 49, 104006.	3.5	46
36	Overview of the JET ITER-like wall divertor. Nuclear Materials and Energy, 2017, 12, 499-505.	1.3	46

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37	Three-dimensional non-linear magnetohydrodynamic modeling of massive gas injection triggered disruptions in JET. Physics of Plasmas, 2015, 22, .	1.9	45
38	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
39	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
40	Adaptive predictors based on probabilistic SVM for real time disruption mitigation on JET. Nuclear Fusion, 2018, 58, 056002.	3.5	44
41	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
42	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
43	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
44	Inferring divertor plasma properties from hydrogen Balmer and Paschen series spectroscopy in JET-ILW. Nuclear Fusion, 2015, 55, 123028.	3.5	40
45	JET and COMPASS asymmetrical disruptions. Nuclear Fusion, 2015, 55, 113006.	3.5	40
46	Integrated modelling of H-mode pedestal and confinement in JET-ILW. Plasma Physics and Controlled Fusion, 2018, 60, 014042.	2.1	40
47	Application of Gaussian process regression to plasma turbulent transport model validation via integrated modelling. Nuclear Fusion, 2019, 59, 056007.	3.5	39
48	Overview of JET results. Nuclear Fusion, 2003, 43, 1540-1554.	3.5	38
49	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
50	The role of MHD in causing impurity peaking in JET hybrid plasmas. Nuclear Fusion, 2016, 56, 066002.	3.5	37
51	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
52	Understanding the physics of ELM pacing via vertical kicks in JET in view of ITER. Nuclear Fusion, 2016, 56, 026001.	3.5	36
53	First principles and integrated modelling achievements towards trustful fusion power predictions for JET and ITER. Nuclear Fusion, 2019, 59, 086047.	3.5	36
54	A machine learning approach based on generative topographic mapping for disruption prevention and avoidance at JET. Nuclear Fusion, 2019, 59, 106017.	3.5	36

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55	Beryllium global erosion and deposition at JET-ILW simulated with ERO2.0. Nuclear Materials and Energy, 2019, 18, 331-338.	1.3	36
56	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
57	Dynamics and stability of divertor detachment in H-mode plasmas on JET. Plasma Physics and Controlled Fusion, 2017, 59, 095003.	2.1	34
58	Scenario development for the observation of alpha-driven instabilities in JET DT plasmas. Nuclear Fusion, 2018, 58, 082005.	3.5	34
59	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
60	Overview of JET results. Nuclear Fusion, 2011, 51, 094008.	3.5	33
61	Discriminating the trapped electron modes contribution in density fluctuation spectra. Nuclear Fusion, 2015, 55, 093021.	3.5	33
62	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
63	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
64	Fast H isotope and impurity mixing in ion-temperature-gradient turbulence. Nuclear Fusion, 2018, 58, 076028.	3.5	33
65	Direct measurement of residual stress in sub-micron interconnects. Semiconductor Science and Technology, 2003, 18, 992-996.	2.0	32
66	Ion cyclotron resonance heating for tungsten control in various JET H-mode scenarios. Plasma Physics and Controlled Fusion, 2017, 59, 055001.	2.1	32
67	Experimental estimation of tungsten impurity sputtering due to Type I ELMs in JET-ITER-like wall using pedestal electron cyclotron emission and target Langmuir probe measurements. Physica Scripta, 2016, T167, 014005.	2.5	31
68	Fast-ion energy resolution by one-step reaction gamma-ray spectrometry. Nuclear Fusion, 2016, 56, 046009.	3.5	31
69	Studies of the pedestal structure and inter-ELM pedestal evolution in JET with the ITER-like wall. Nuclear Fusion, 2017, 57, 116012.	3.5	30
70	The maximum likelihood reconstruction method for JET neutron tomography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 595, 623-630.	1.6	29
71	Benchmark experiments on neutron streaming through JET Torus Hall penetrations. Nuclear Fusion, 2015, 55, 053028.	3.5	29
72	Axisymmetric oscillations at Lâ€“H transitions in JET: M-mode. Nuclear Fusion, 2017, 57, 022021.	3.5	29

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73	Non-Maxwellian fast particle effects in gyrokinetic GENE simulations. Physics of Plasmas, 2018, 25, .	1.9	29
74	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
75	Modelling of JET hybrid plasmas with emphasis on performance of combined ICRF and NBI heating. Nuclear Fusion, 2018, 58, 106037.	3.5	29
76	Plasma confinement at JET. Plasma Physics and Controlled Fusion, 2016, 58, 014034.	2.1	28
77	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
78	Characterisation of the deuterium recycling at the W divertor target plates in JET during steady-state plasma conditions and ELMs. Physica Scripta, 2016, T167, 014076.	2.5	27
79	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
80	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
81	First ERO2.0 modeling of Be erosion and non-local transport in JET ITER-like wall. Physica Scripta, 2017, T170, 014018.	2.5	27
82	Erosion and deposition in the JET divertor during the second ITER-like wall campaign. Physica Scripta, 2017, T170, 014058.	2.5	27
83	Adaptive learning for disruption prediction in non-stationary conditions. Nuclear Fusion, 2019, 59, 086037.	3.5	27
84	Nanoindentation assessment of aluminium metallisation; the effect of creep and pile-up. Surface and Coatings Technology, 2004, 177-178, 497-503.	4.8	26
85	An Analytical Expression for the Electric Field and Particle Tracing in Modelling of Be Erosion Experiments at the JET ITERâ€like Wall. Contributions To Plasma Physics, 2016, 56, 640-645.	1.1	26
86	Technological exploitation of Deuteriumâ€“Tritium operations at JET in support of ITER design, operation and safety. Fusion Engineering and Design, 2016, 109-111, 278-285.	1.9	26
87	Experience on divertor fuel retention after two ITER-Like Wall campaigns. Physica Scripta, 2017, T170, 014063.	2.5	26
88	Dimensionless scalings of confinement, heat transport and pedestal stability in JET-ILW and comparison with JET-C. Plasma Physics and Controlled Fusion, 2017, 59, 014014.	2.1	26
89	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
90	Assessment of the baseline scenario atq₉₅~ 3 for ITER. Nuclear Fusion, 2018, 58, 126010.	3.5	26

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91	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
92	Self-consistent pedestal prediction for JET-ILW in preparation of the DT campaign. Physics of Plasmas, 2019, 26, .	1.9	26
93	Runaway electron beam control. Plasma Physics and Controlled Fusion, 2019, 61, 014036.	2.1	26
94	Impact of divertor geometry on radiative divertor performance in JET H-mode plasmas. Plasma Physics and Controlled Fusion, 2016, 58, 045011.	2.1	25
95	Plasma impact on diagnostic mirrors in JET. Nuclear Materials and Energy, 2017, 12, 506-512.	1.3	25
96	Recent progress in the quantitative validation of JOREK simulations of ELMs in JET. Nuclear Fusion, 2017, 57, 076006.	3.5	25
97	Fuel inventory and deposition in castellated structures in JET-ILW. Nuclear Fusion, 2017, 57, 066027.	3.5	25
98	Long-term fuel retention and release in JET ITER-Like Wall at ITER-relevant baking temperatures. Nuclear Fusion, 2017, 57, 086024.	3.5	25
99	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
100	The â€˜neutron deficitâ€™ in the JET tokamak. Nuclear Fusion, 2017, 57, 076029.	3.5	25
101	Performance of the prototype LaBr3 spectrometer developed for the JET gamma-ray camera upgrade. Review of Scientific Instruments, 2016, 87, 11E717.	1.3	24
102	Experimental investigation of geodesic acoustic modes on JET using Doppler backscattering. Nuclear Fusion, 2016, 56, 106026.	3.5	24
103	Impact of divertor geometry on H-mode confinement in the JET metallic wall. Nuclear Fusion, 2017, 57, 086025.	3.5	24
104	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
105	First mirror test in JET for ITER: Complete overview after three ILW campaigns. Nuclear Materials and Energy, 2019, 19, 59-66.	1.3	24
106	Asymmetric toroidal eddy currents (ATEC) to explain sideways forces at JET. Nuclear Fusion, 2016, 56, 106010.	3.5	23
107	Sawtooth pacing with on-axis ICRH modulation in JET-ILW. Nuclear Fusion, 2017, 57, 036027.	3.5	23
108	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

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109	Impact of electron-scale turbulence and multi-scale interactions in the JET tokamak. Nuclear Fusion, 2018, 58, 124003.	3.5	23
110	Measuring fast ions in fusion plasmas with neutron diagnostics at JET. Plasma Physics and Controlled Fusion, 2019, 61, 014027.	2.1	23
111	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
112	Deposition of impurity metals during campaigns with the JET ITER-like Wall. Nuclear Materials and Energy, 2019, 19, 218-224.	1.3	23
113	Determination of tungsten and molybdenum concentrations from an x-ray range spectrum in JET with the ITER-like wall configuration. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144023.	1.5	22
114	Gyrokinetic study of turbulence suppression in a JET-ILW power scan. Plasma Physics and Controlled Fusion, 2016, 58, 115005.	2.1	22
115	Neutron emission spectroscopy of DT plasmas at enhanced energy resolution with diamond detectors. Review of Scientific Instruments, 2016, 87, 11D822.	1.3	22
116	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
117	Modelling of transitions between L- and H-mode in JET high plasma current plasmas and application to ITER scenarios including tungsten behaviour. Nuclear Fusion, 2017, 57, 086023.	3.5	22
118	Fine metal dust particles on the wall probes from JET-ILW. Physica Scripta, 2017, T170, 014038.	2.5	22
119	14 MeV calibration of JET neutron detectorsâ€”phase 1: calibration and characterization of the neutron source. Nuclear Fusion, 2018, 58, 026012.	3.5	22
120	First principles of modelling the stabilization of microturbulence by fast ions. Nuclear Fusion, 2018, 58, 082024.	3.5	22
121	First principle integrated modeling of multi-channel transport including Tungsten in JET. Nuclear Fusion, 2018, 58, 096003.	3.5	22
122	Role of fast ion pressure in the isotope effect in JET L-mode plasmas. Nuclear Fusion, 2019, 59, 096030.	3.5	22
123	Radiation asymmetries during the thermal quench of massive gas injection disruptions in JET. Nuclear Fusion, 2015, 55, 123027.	3.5	21
124	Experimental evaluation of stable long term operation of semiconductor magnetic sensors at ITER relevant environment. Nuclear Fusion, 2015, 55, 083006.	3.5	21
125	Electron acceleration in a JET disruption simulation. Nuclear Fusion, 2018, 58, 106022.	3.5	21
126	Dependence of Process Parameters on Stress Generation in Aluminum Thin Films. IEEE Transactions on Device and Materials Reliability, 2004, 4, 482-487.	2.0	20

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127	Non-linear MHD simulations of ELMs in JET and quantitative comparisons to experiments. Plasma Physics and Controlled Fusion, 2016, 58, 014026.	2.1	20
128	Deuterium trapping and release in JET ITER-like wall divertor tiles. Physica Scripta, 2016, T167, 014074.	2.5	20
129	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
130	Transient induced tungsten melting at the Joint European Torus (JET). Physica Scripta, 2017, T170, 014013.	2.5	20
131	Physics and operation oriented activities in preparation of the JT-60SA tokamak exploitation. Nuclear Fusion, 2017, 57, 085001.	3.5	20
132	Multi-machine analysis of termination scenarios with comparison to simulations of controlled shutdown of ITER discharges. Nuclear Fusion, 2018, 58, 026019.	3.5	20
133	Experimental validation of an analytical kinetic model for edge-localized modes in JET-ITER-like wall. Nuclear Fusion, 2018, 58, 066006.	3.5	20
134	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
135	Tritium retention characteristics in dust particles in JET with ITER-like wall. Nuclear Materials and Energy, 2018, 17, 279-283.	1.3	20
136	Equilibrium reconstruction at JET using Stokes model for polarimetry. Nuclear Fusion, 2018, 58, 106032.	3.5	20
137	Observation of enhanced ion particle transport in mixed H/D isotope plasmas on JET. Nuclear Fusion, 2018, 58, 076022.	3.5	20
138	14 MeV calibration of JET neutron detectorsâ€"phase 2: in-vessel calibration. Nuclear Fusion, 2018, 58, 106016.	3.5	20
139	Neutronics experiments and analyses in preparation of DT operations at JET. Fusion Engineering and Design, 2016, 109-111, 895-905.	1.9	19
140	JET experiments with tritium and deuteriumâ€"tritium mixtures. Fusion Engineering and Design, 2016, 109-111, 925-936.	1.9	19
141	Mitigation of divertor heat loads by strike point sweeping in high power JET discharges. Physica Scripta, 2017, T170, 014040.	2.5	19
142	Neutral pathways and heat flux widths in vertical- and horizontal-target EDGE2D-EIRENE simulations of JET. Nuclear Fusion, 2018, 58, 096029.	3.5	19
143	L to H mode transition: parametric dependencies of the temperature threshold. Nuclear Fusion, 2015, 55, 073015.	3.5	18
144	High performance detectors for upgraded gamma ray diagnostics for JET DT campaigns. Physica Scripta, 2016, 91, 064003.	2.5	18

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145	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
146	Nitrogen retention mechanisms in tokamaks with beryllium and tungsten plasma-facing surfaces. Physica Scripta, 2016, T167, 014077.	2.5	18
147	Experience of handling beryllium, tritium and activated components from JET ITER like wall. Physica Scripta, 2016, T167, 014057.	2.5	18
148	The role and application of ion beam analysis for studies of plasma-facing components in controlled fusion devices. Nuclear Instruments & Methods in Physics Research B, 2016, 371, 4-11.	1.4	18
149	Application of transfer entropy to causality detection and synchronization experiments in tokamaks. Nuclear Fusion, 2016, 56, 026006.	3.5	18
150	Energy balance in JET. Nuclear Materials and Energy, 2017, 12, 227-233.	1.3	18
151	A multi-machine scaling of halo current rotation. Nuclear Fusion, 2018, 58, 016050.	3.5	18
152	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
153	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
154	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
155	Benchmarking the GENE and GYRO codes through the relative roles of electromagnetic andEâ€‰â€‰Ã—â€‰â€‰Bstabilization in JET high-performance discharges. Plasma Physics and Controlled Fusion, 2016, 58, 125018.	2.1	17
156	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
157	Plasma edge and plasma-wall interaction modelling: Lessons learned from metallic devices. Nuclear Materials and Energy, 2017, 12, 3-17.	1.3	17
158	Investigation and plasma cleaning of first mirrors coated with relevant ITER contaminants: beryllium and tungsten. Nuclear Fusion, 2017, 57, 086019.	3.5	17
159	Calibration of neutron detectors on the Joint European Torus. Review of Scientific Instruments, 2017, 88, 103505.	1.3	17
160	Versatile fusion source integrator AFSI for fast ion and neutron studies in fusion devices. Nuclear Fusion, 2018, 58, 016023.	3.5	17
161	High-resolution tungsten spectroscopy relevant to the diagnostic of high-temperature tokamak plasmas. Physical Review A, 2018, 97, .	2.5	17
162	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

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163	Effects of nitrogen seeding on core ion thermal transport in JET ILW L-mode plasmas. Nuclear Fusion, 2018, 58, 026028.	3.5	17
164	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
165	Activation of ITER materials in JET: nuclear characterisation experiments for the long-term irradiation station. Nuclear Fusion, 2018, 58, 096013.	3.5	17
166	Possible influence of near SOL plasma on the H-mode power threshold. Nuclear Materials and Energy, 2017, 12, 273-277.	1.3	16
167	Axisymmetric global AlfvÃ©n eigenmodes within the ellipticity-induced frequency gap in the Joint European Torus. Physics of Plasmas, 2017, 24, .	1.9	16
168	Bayesian electron density inference from JET lithium beam emission spectra using Gaussian processes. Nuclear Fusion, 2017, 57, 036017.	3.5	16
169	Review of recent experimental and modeling advances in the understanding of lower hybrid current drive in ITER-relevant regimes. Nuclear Fusion, 2018, 58, 095003.	3.5	16
170	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
171	Bayesian Integrated Data Analysis of Fast-Ion Measurements by Velocity-Space Tomography. Fusion Science and Technology, 2018, 74, 23-36.	1.1	15
172	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
173	A power-balance model of the density limit in fusion plasmas: application to the L-mode tokamak. Nuclear Fusion, 2019, 59, 126011.	3.5	15
174	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
175	The effect of beryllium oxide on retention in JET ITER-like wall tiles. Nuclear Materials and Energy, 2019, 19, 346-351.	1.3	15
176	Fast ion synergistic effects in JET high performance pulses. Nuclear Fusion, 2019, 59, 056005.	3.5	15
177	Test Chip for the Development and Evaluation of Sensors for Measuring Stress in Metal Interconnects. IEEE Transactions on Semiconductor Manufacturing, 2005, 18, 255-261.	1.7	14
178	Deep deuterium retention and Be/W mixing at tungsten coated surfaces in the JET divertor. Physica Scripta, 2016, T167, 014061.	2.5	14
179	How to assess the efficiency of synchronization experiments in tokamaks. Nuclear Fusion, 2016, 56, 076008.	3.5	14
180	Deposition in the inner and outer corners of the JET divertor with carbon wall and metallic ITER-like wall. Physica Scripta, 2016, T167, 014052.	2.5	14

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181	Raman microscopy investigation of beryllium materials. Physica Scripta, 2016, T167, 014027.	2.5	14
182	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
183	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
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