J Vicente

List of Publications by Year in descending order

438 papers	8,783 citations	61945 43 h-index	123376 61 g-index
441 all docs	441 docs citations	441 times ranked	3438 citing authors

#	Article	IF	Citations
1	Mean and Oscillating Plasma Flows and Turbulence Interactions across the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>L</mml:mi><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:mi>H</mml:mi></mml:math>Confinement Transition. Physical Review Letters, 2011, 106, 065001.	2.9	271
2	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	1.6	150
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.	0.6	116
4	Isotope effects on L-H threshold and confinement in tokamak plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 014045.	0.9	98
5	Power exhaust by SOL and pedestal radiation at ASDEX Upgrade and JET. Nuclear Materials and Energy, 2017, 12, 111-118.	0.6	92
6	Experimental Validation of a Filament Transport Model in Turbulent Magnetized Plasmas. Physical Review Letters, 2015, 115, 215002.	2.9	89
7	Overview of the JET preparation for deuteriumâ€“tritium operation with the ITER like-wall. Nuclear Fusion, 2019, 59, 112021.	1.6	87
8	Confinement of â€˜improved H-modesâ€™ in the all-tungsten ASDEX Upgrade with nitrogen seeding. Nuclear Fusion, 2011, 51, 113003.	1.6	84
9	Beryllium migration in JET ITER-like wall plasmas. Nuclear Fusion, 2015, 55, 063021.	1.6	83
10	WEST Physics Basis. Nuclear Fusion, 2015, 55, 063017.	1.6	82
11	Pedestal confinement and stability in JET-ILW ELMy H-modes. Nuclear Fusion, 2015, 55, 113031.	1.6	82
12	Core turbulent transport in tokamak plasmas: bridging theory and experiment with QuaLiKiz. Plasma Physics and Controlled Fusion, 2016, 58, 014036.	0.9	81
13	Improved confinement in JET highÎ²plasmas with an ITER-like wall. Nuclear Fusion, 2015, 55, 053031.	1.6	79
14	Gyrokinetic analysis and simulation of pedestals to identify the culprits for energy losses using â€˜fingerprintsâ€™. Nuclear Fusion, 2019, 59, 096001.	1.6	76
15	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	6.5	73
16	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	1.6	70
17	WALLDYN simulations of global impurity migration in JET and extrapolations to ITER. Nuclear Fusion, 2015, 55, 053015.	1.6	67
18	Stationary Zonal Flows during the Formation of the Edge Transport Barrier in the JET Tokamak. Physical Review Letters, 2016, 116, 065002.	2.9	64

#	Article	IF	Citations
19	Dual sightline measurements of MeV range deuterons with neutron and gamma-ray spectroscopy at JET. Nuclear Fusion, 2015, 55, 123026.	1.6	60
20	Erosion, screening, and migration of tungsten in the JET divertor. Nuclear Fusion, 2019, 59, 096035.	1.6	60
21	Runaway electron beam generation and mitigation during disruptions at JET-ILW. Nuclear Fusion, 2015, 55, 093013.	1.6	58
22	Melt damage to the JET ITER-like Wall and divertor. Physica Scripta, 2016, T167, 014070.	1.2	58
23	Erosion and deposition in the JET divertor during the first ILW campaign. Physica Scripta, 2016, T167, 014051.	1.2	58
24	Tractable flux-driven temperature, density, and rotation profile evolution with the quasilinear gyrokinetic transport model QuaLiKiz. Plasma Physics and Controlled Fusion, 2017, 59, 124005.	0.9	57
25	Correlation of the tokamak H-mode density limit with ballooning stability at the separatrix. Nuclear Fusion, 2018, 58, 034001.	1.6	57
26	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.	1.6	56
27	Influence of theEâ€‰â€‰Ã—â€‰â€‰Bdrift in high recycling divertors on target asymmetries. Plasma Physics and Controlled Fusion, 2015, 57, 095002.	0.9	56
28	Recent progress towards a quantitative description of filamentary SOL transport. Nuclear Fusion, 2017, 57, 056044.	1.6	56
29	Overview of ASDEX Upgrade results. Nuclear Fusion, 2017, 57, 102015.	1.6	53
30	Direct gyrokinetic comparison of pedestal transport in JET with carbon and ITER-like walls. Nuclear Fusion, 2019, 59, 086056.	1.6	53
31	Long-term fuel retention in JET ITER-like wall. Physica Scripta, 2016, T167, 014075.	1.2	52
32	MeV-range velocity-space tomography from gamma-ray and neutron emission spectrometry measurements at JET. Nuclear Fusion, 2017, 57, 056001.	1.6	52
33	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.	1.0	52
34	First dust study in JET with the ITER-like wall: sampling, analysis and classification. Nuclear Fusion, 2015, 55, 113033.	1.6	51
35	Scaling of the MHD perturbation amplitude required to trigger a disruption and predictions for ITER. Nuclear Fusion, 2016, 56, 026007.	1.6	51
36	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	1.6	50

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37	The impact of poloidal asymmetries on tungsten transport in the core of JET H-mode plasmas. Physics of Plasmas, 2015, 22, 055902.	0.7	49
38	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.	0.9	47
39	Overview of fuel inventory in JET with the ITER-like wall. Nuclear Fusion, 2017, 57, 086045.	1.6	47
40	Overview of the JET ITER-like wall divertor. Nuclear Materials and Energy, 2017, 12, 499-505.	0.6	46
41	Scenario development for Dâ€“T operation at JET. Nuclear Fusion, 2019, 59, 076037.	1.6	46
42	Three-dimensional non-linear magnetohydrodynamic modeling of massive gas injection triggered disruptions in JET. Physics of Plasmas, 2015, 22, .	0.7	45
43	Beryllium melting and erosion on the upper dump plates in JET during three ITER-like wall campaigns. Nuclear Fusion, 2019, 59, 086009.	1.6	45
44	Ion target impact energy during Type I edge localized modes in JET ITER-like Wall. Plasma Physics and Controlled Fusion, 2015, 57, 085006.	0.9	44
45	Adaptive predictors based on probabilistic SVM for real time disruption mitigation on JET. Nuclear Fusion, 2018, 58, 056002.	1.6	44
46	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.	0.9	43
47	Role of the pedestal position on the pedestal performance in AUG, JET-ILW and TCV and implications for ITER. Nuclear Fusion, 2019, 59, 076038.	1.6	43
48	Scrape-off layer transport and filament characteristics in high-density tokamak regimes. Nuclear Fusion, 2020, 60, 016001.	1.6	43
49	First neutron spectroscopy measurements with a pixelated diamond detector at JET. Review of Scientific Instruments, 2016, 87, 11D833.	0.6	42
50	Studies of dust from JET with the ITER-Like Wall: Composition and internal structure. Nuclear Materials and Energy, 2017, 12, 582-587.	0.6	41
51	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.	1.6	41
52	Inferring divertor plasma properties from hydrogen Balmer and Paschen series spectroscopy in JET-ILW. Nuclear Fusion, 2015, 55, 123028.	1.6	40
53	JET and COMPASS asymmetrical disruptions. Nuclear Fusion, 2015, 55, 113006.	1.6	40
54	Integrated modelling of H-mode pedestal and confinement in JET-ILW. Plasma Physics and Controlled Fusion, 2018, 60, 014042.	0.9	40

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55	Characterization of edge profiles and fluctuations in discharges with type-II and nitrogen-mitigated edge localized modes in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2011, 53, 085026.	0.9	39
56	Application of Gaussian process regression to plasma turbulent transport model validation via integrated modelling. Nuclear Fusion, 2019, 59, 056007.	1.6	39
57	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.	1.6	38
58	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.	1.6	38
59	Overview of physics studies on ASDEX Upgrade. Nuclear Fusion, 2019, 59, 112014.	1.6	38
60	Physics of Plasmas, 2015, 22, 056115.	0.7	37
61	The role of MHD in causing impurity peaking in JET hybrid plasmas. Nuclear Fusion, 2016, 56, 066002.	1.6	37
62	Overview of ASDEX Upgrade results. Nuclear Fusion, 2013, 53, 104003.	1.6	36
63	Multi-machine scaling of the main SOL parallel heat flux width in tokamak limiter plasmas. Plasma Physics and Controlled Fusion, 2016, 58, 074005.	0.9	36
64	Understanding the physics of ELM pacing via vertical kicks in JET in view of ITER. Nuclear Fusion, 2016, 56, 026001.	1.6	36
65	First principles and integrated modelling achievements towards trustful fusion power predictions for JET and ITER. Nuclear Fusion, 2019, 59, 086047.	1.6	36
66	A machine learning approach based on generative topographic mapping for disruption prevention and avoidance at JET. Nuclear Fusion, 2019, 59, 106017.	1.6	36
67	Beryllium global erosion and deposition at JET-ILW simulated with ERO2.0. Nuclear Materials and Energy, 2019, 18, 331-338.	0.6	36
68	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.	1.4	35
69	Deep learning for plasma tomography using the bolometer system at JET. Fusion Engineering and Design, 2017, 114, 18-25.	1.0	34
70	Dynamics and stability of divertor detachment in H-mode plasmas on JET. Plasma Physics and Controlled Fusion, 2017, 59, 095003.	0.9	34
71	Scenario development for the observation of alpha-driven instabilities in JET DT plasmas. Nuclear Fusion, 2018, 58, 082005.	1.6	34
72	Dependence on plasma shape and plasma fueling for small edge-localized mode regimes in TCV and ASDEX Upgrade. Nuclear Fusion, 2019, 59, 086020.	1.6	34

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73	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.	0.6	34
74	Overview of JET results. Nuclear Fusion, 2011, 51, 094008.	1.6	33
75	Discriminating the trapped electron modes contribution in density fluctuation spectra. Nuclear Fusion, 2015, 55, 093021.	1.6	33
76	Transport analysis and modelling of the evolution of hollow density profiles plasmas in JET and implication for ITER. Nuclear Fusion, 2015, 55, 123001.	1.6	33
77	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.	0.9	33
78	Fast H isotope and impurity mixing in ion-temperature-gradient turbulence. Nuclear Fusion, 2018, 58, 076028.	1.6	33
79	Current Research into Applications of Tomography for Fusion Diagnostics. Journal of Fusion Energy, 2019, 38, 458-466.	0.5	33
80	Ion cyclotron resonance heating for tungsten control in various JET H-mode scenarios. Plasma Physics and Controlled Fusion, 2017, 59, 055001.	0.9	32
81	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.	1.2	31
82	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.	0.6	31
83	Fast-ion energy resolution by one-step reaction gamma-ray spectrometry. Nuclear Fusion, 2016, 56, 046009.	1.6	31
84	A First Analysis of JET Plasma Profile-Based Indicators for Disruption Prediction and Avoidance. IEEE Transactions on Plasma Science, 2018, 46, 2691-2698.	0.6	31
85	Isotope identity experiments in JET-ILW with H and D L-mode plasmas. Nuclear Fusion, 2019, 59, 076028.	1.6	31
86	Validation of the ICRF antenna coupling code RAPLICASOL against TOPICA and experiments. Nuclear Fusion, 2019, 59, 046001.	1.6	31
87	Velocity-space sensitivities of neutron emission spectrometers at the tokamaks JET and ASDEX Upgrade in deuterium plasmas. Review of Scientific Instruments, 2017, 88, 073506.	0.6	30
88	Studies of the pedestal structure and inter-ELM pedestal evolution in JET with the ITER-like wall. Nuclear Fusion, 2017, 57, 116012.	1.6	30
89	Benchmark experiments on neutron streaming through JET Torus Hall penetrations. Nuclear Fusion, 2015, 55, 053028.	1.6	29
90	Axisymmetric oscillations at Lâ€“H transitions in JET: M-mode. Nuclear Fusion, 2017, 57, 022021.	1.6	29

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91	Non-Maxwellian fast particle effects in gyrokinetic GENE simulations. Physics of Plasmas, 2018, 25, .	0.7	29
92	3D non-linear MHD simulation of the MHD response and density increase as a result of shattered pellet injection. Nuclear Fusion, 2018, 58, 126025.	1.6	29
93	Modelling of JET hybrid plasmas with emphasis on performance of combined ICRF and NBI heating. Nuclear Fusion, 2018, 58, 106037.	1.6	29
94	Plasma confinement at JET. Plasma Physics and Controlled Fusion, 2016, 58, 014034.	0.9	28
95	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.	0.6	28
96	Overview of ASDEX Upgrade results. Nuclear Fusion, 2011, 51, 094012.	1.6	27
97	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.	1.2	27
98	Gyrokinetic study of turbulent convection of heavy impurities in tokamak plasmas at comparable ion and electron heat fluxes. Nuclear Fusion, 2017, 57, 022009.	1.6	27
99	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.	0.9	27
100	First ERO2.0 modeling of Be erosion and non-local transport in JET ITER-like wall. Physica Scripta, 2017, T170, 014018.	1.2	27
101	Erosion and deposition in the JET divertor during the second ITER-like wall campaign. Physica Scripta, 2017, T170, 014058.	1.2	27
102	Adaptive learning for disruption prediction in non-stationary conditions. Nuclear Fusion, 2019, 59, 086037.	1.6	27
103	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.	0.5	26
104	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.	1.0	26
105	Experience on divertor fuel retention after two ITER-Like Wall campaigns. Physica Scripta, 2017, T170, 014063.	1.2	26
106	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.	0.9	26
107	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.	1.6	26
108	Assessment of the baseline scenario atq₉₅~ 3 for ITER. Nuclear Fusion, 2018, 58, 126010.	1.6	26

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109	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.	0.9	26
110	Self-consistent pedestal prediction for JET-ILW in preparation of the DT campaign. Physics of Plasmas, 2019, 26, .	0.7	26
111	Runaway electron beam control. Plasma Physics and Controlled Fusion, 2019, 61, 014036.	0.9	26
112	Fast ion energy distribution from third harmonic radio frequency heating measured with a single crystal diamond detector at the Joint European Torus. Review of Scientific Instruments, 2015, 86, 103501.	0.6	25
113	Impact of divertor geometry on radiative divertor performance in JET H-mode plasmas. Plasma Physics and Controlled Fusion, 2016, 58, 045011.	0.9	25
114	Plasma impact on diagnostic mirrors in JET. Nuclear Materials and Energy, 2017, 12, 506-512.	0.6	25
115	Recent progress in the quantitative validation of JOREK simulations of ELMs in JET. Nuclear Fusion, 2017, 57, 076006.	1.6	25
116	Fuel inventory and deposition in castellated structures in JET-ILW. Nuclear Fusion, 2017, 57, 066027.	1.6	25
117	Long-term fuel retention and release in JET ITER-Like Wall at ITER-relevant baking temperatures. Nuclear Fusion, 2017, 57, 086024.	1.6	25
118	Maximum likelihood bolometric tomography for the determination of the uncertainties in the radiation emission on JET TOKAMAK. Review of Scientific Instruments, 2018, 89, 053504.	0.6	25
119	Material migration and fuel retention studies during the JET carbon divertor campaigns. Fusion Engineering and Design, 2019, 138, 78-108.	1.0	25
120	The â€˜neutron deficitâ€™ in the JET tokamak. Nuclear Fusion, 2017, 57, 076029.	1.6	25
121	Performance of the prototype LaBr3 spectrometer developed for the JET gamma-ray camera upgrade. Review of Scientific Instruments, 2016, 87, 11E717.	0.6	24
122	Experimental investigation of geodesic acoustic modes on JET using Doppler backscattering. Nuclear Fusion, 2016, 56, 106026.	1.6	24
123	Impact of divertor geometry on H-mode confinement in the JET metallic wall. Nuclear Fusion, 2017, 57, 086025.	1.6	24
124	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.	0.6	24
125	First mirror test in JET for ITER: Complete overview after three ILW campaigns. Nuclear Materials and Energy, 2019, 19, 59-66.	0.6	24
126	Asymmetric toroidal eddy currents (ATEC) to explain sideways forces at JET. Nuclear Fusion, 2016, 56, 106010.	1.6	23

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127	Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution ^a. Nuclear Fusion, 2017, 57, 102014.	1.6	23
128	Sawtooth pacing with on-axis ICRH modulation in JET-ILW. Nuclear Fusion, 2017, 57, 036027.	1.6	23
129	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.	1.6	23
130	Instrumentation for the upgrade to the JET core charge-exchange spectrometers. Review of Scientific Instruments, 2018, 89, 10D113.	0.6	23
131	Impact of electron-scale turbulence and multi-scale interactions in the JET tokamak. Nuclear Fusion, 2018, 58, 124003.	1.6	23
132	Measuring fast ions in fusion plasmas with neutron diagnostics at JET. Plasma Physics and Controlled Fusion, 2019, 61, 014027.	0.9	23
133	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.	1.6	23
134	Deposition of impurity metals during campaigns with the JET ITER-like Wall. Nuclear Materials and Energy, 2019, 19, 218-224.	0.6	23
135	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.	0.6	22
136	Gyrokinetic study of turbulence suppression in a JET-ILW power scan. Plasma Physics and Controlled Fusion, 2016, 58, 115005.	0.9	22
137	Neutron emission spectroscopy of DT plasmas at enhanced energy resolution with diamond detectors. Review of Scientific Instruments, 2016, 87, 11D822.	0.6	22
138	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.	1.6	22
139	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.	1.6	22
140	Fine metal dust particles on the wall probes from JET-ILW. Physica Scripta, 2017, T170, 014038.	1.2	22
141	Full-Pulse Tomographic Reconstruction with Deep Neural Networks. Fusion Science and Technology, 2018, 74, 47-56.	0.6	22
142	14 MeV calibration of JET neutron detectorsâ€”phase 1: calibration and characterization of the neutron source. Nuclear Fusion, 2018, 58, 026012.	1.6	22
143	First principles of modelling the stabilization of microturbulence by fast ions. Nuclear Fusion, 2018, 58, 082024.	1.6	22
144	First principle integrated modeling of multi-channel transport including Tungsten in JET. Nuclear Fusion, 2018, 58, 096003.	1.6	22

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145	Role of fast ion pressure in the isotope effect in JET L-mode plasmas. Nuclear Fusion, 2019, 59, 096030.	1.6	22
146	Evolution of nitrogen concentration and ammonia production in N₂-seeded H-mode discharges at ASDEX Upgrade. Nuclear Fusion, 2019, 59, 046010.	1.6	22
147	Radiation asymmetries during the thermal quench of massive gas injection disruptions in JET. Nuclear Fusion, 2015, 55, 123027.	1.6	21
148	Experimental evaluation of stable long term operation of semiconductor magnetic sensors at ITER relevant environment. Nuclear Fusion, 2015, 55, 083006.	1.6	21
149	The upgraded JET gamma-ray cameras based on high resolution/high count rate compact spectrometers. Review of Scientific Instruments, 2018, 89, 101116.	0.6	21
150	Electron acceleration in a JET disruption simulation. Nuclear Fusion, 2018, 58, 106022.	1.6	21
151	Observation of different phases during an ELM crash with the help of nitrogen seeding. Plasma Physics and Controlled Fusion, 2014, 56, 025011.	0.9	20
152	Non-linear MHD simulations of ELMs in JET and quantitative comparisons to experiments. Plasma Physics and Controlled Fusion, 2016, 58, 014026.	0.9	20
153	Deuterium trapping and release in JET ITER-like wall divertor tiles. Physica Scripta, 2016, T167, 014074.	1.2	20
154	ITER oriented neutronics benchmark experiments on neutron streaming and shutdown dose rate at JET. Fusion Engineering and Design, 2017, 123, 171-176.	1.0	20
155	Transient induced tungsten melting at the Joint European Torus (JET). Physica Scripta, 2017, T170, 014013.	1.2	20
156	Multi-machine analysis of termination scenarios with comparison to simulations of controlled shutdown of ITER discharges. Nuclear Fusion, 2018, 58, 026019.	1.6	20
157	Experimental validation of an analytical kinetic model for edge-localized modes in JET-ITER-like wall. Nuclear Fusion, 2018, 58, 066006.	1.6	20
158	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.	0.6	20
159	Tritium retention characteristics in dust particles in JET with ITER-like wall. Nuclear Materials and Energy, 2018, 17, 279-283.	0.6	20
160	Equilibrium reconstruction at JET using Stokes model for polarimetry. Nuclear Fusion, 2018, 58, 106032.	1.6	20
161	Observation of enhanced ion particle transport in mixed H/D isotope plasmas on JET. Nuclear Fusion, 2018, 58, 076022.	1.6	20
162	14 MeV calibration of JET neutron detectorsâ€"phase 2: in-vessel calibration. Nuclear Fusion, 2018, 58, 106016.	1.6	20

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163	Neutronics experiments and analyses in preparation of DT operations at JET. Fusion Engineering and Design, 2016, 109-111, 895-905.	1.0	19
164	JET experiments with tritium and deuteriumâ€“tritium mixtures. Fusion Engineering and Design, 2016, 109-111, 925-936.	1.0	19
165	Impact of toroidal and poloidal mode spectra on the control of non-axisymmetric fields in tokamaks. Physics of Plasmas, 2017, 24, .	0.7	19
166	Mitigation of divertor heat loads by strike point sweeping in high power JET discharges. Physica Scripta, 2017, T170, 014040.	1.2	19
167	Neutral pathways and heat flux widths in vertical- and horizontal-target EDGE2D-EIRENE simulations of JET. Nuclear Fusion, 2018, 58, 096029.	1.6	19
168	Thermal desorption spectrometry of beryllium plasma facing tiles exposed in the JET tokamak. Fusion Engineering and Design, 2018, 133, 135-141.	1.0	19
169	L to H mode transition: parametric dependencies of the temperature threshold. Nuclear Fusion, 2015, 55, 073015.	1.6	18
170	High performance detectors for upgraded gamma ray diagnostics for JET DT campaigns. Physica Scripta, 2016, 91, 064003.	1.2	18
171	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.	0.6	18
172	Nitrogen retention mechanisms in tokamaks with beryllium and tungsten plasma-facing surfaces. Physica Scripta, 2016, T167, 014077.	1.2	18
173	Experience of handling beryllium, tritium and activated components from JET ITER like wall. Physica Scripta, 2016, T167, 014057.	1.2	18
174	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.	0.6	18
175	Application of transfer entropy to causality detection and synchronization experiments in tokamaks. Nuclear Fusion, 2016, 56, 026006.	1.6	18
176	Energy balance in JET. Nuclear Materials and Energy, 2017, 12, 227-233.	0.6	18
177	A multi-machine scaling of halo current rotation. Nuclear Fusion, 2018, 58, 016050.	1.6	18
178	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.	0.6	18
179	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.	1.3	18
180	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.	0.9	17

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181	Improved ERO modelling for spectroscopy of physically and chemically assisted eroded beryllium from the JET-ILW. Nuclear Materials and Energy, 2016, 9, 604-609.	0.6	17
182	Plasma edge and plasma-wall interaction modelling: Lessons learned from metallic devices. Nuclear Materials and Energy, 2017, 12, 3-17.	0.6	17
183	Investigation and plasma cleaning of first mirrors coated with relevant ITER contaminants: beryllium and tungsten. Nuclear Fusion, 2017, 57, 086019.	1.6	17
184	Calibration of neutron detectors on the Joint European Torus. Review of Scientific Instruments, 2017, 88, 103505.	0.6	17
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