Marco Wischmeier

List of Publications by Year in descending order

403 papers	9,951 citations	44069 48 h-index	85541 71 g-index
404 all docs	404 docs citations	404 times ranked	3493 citing authors

#	Article	IF	Citations
1	Predictions of radiation pattern and inâ€“out asymmetries in the DEMO scrape-off layer using fluid neutrals. Nuclear Fusion, 2022, 62, 056015.	3.5	4
2	Experimental investigation of L- and H-mode detachment via the divertor Thomson scattering at ASDEX Upgrade. Nuclear Fusion, 2022, 62, 066027.	3.5	8
3	Plasma physics and control studies planned in JT-60SA for ITER and DEMO operations and risk mitigation. Plasma Physics and Controlled Fusion, 2022, 64, 054004.	2.1	6
4	Overview of the TCV tokamak experimental programme. Nuclear Fusion, 2022, 62, 042018.	3.5	30
5	Towards assessment of plasma edge transport in Neon seeded plasmas in disconnected double null configuration in EAST with SOLPS-ITER. Nuclear Materials and Energy, 2021, 26, 100926.	1.3	2
6	Study of detachment in future ASDEX Upgrade alternative divertor configurations by means of EMC3-EIRENE. Nuclear Materials and Energy, 2021, 26, 100950.	1.3	4
7	Assessment of Scrape-Off Layer and divertor plasma conditions in JT-60SA with tungsten wall and nitrogen injection. Nuclear Materials and Energy, 2021, 26, 100895.	1.3	5
8	Scoping the characteristics and benefits of a connected double-null configuration for power exhaust in EU-DEMO. Nuclear Materials and Energy, 2021, 26, 100886.	1.3	6
9	Preliminary analysis of alternative divertors for DEMO. Nuclear Materials and Energy, 2021, 26, 100908.	1.3	19
10	The operational space for divertor power exhaust in DEMO with a super-X divertor. Nuclear Fusion, 2021, 61, 076007.	3.5	7
11	Numerical modelling of an enhanced perpendicular transport regime in the scrape-off layer of ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2021, 63, 075003.	2.1	12
12	SOLPS-ITER validation with TCV L-mode discharges. Physics of Plasmas, 2021, 28, 082508.	1.9	9
13	SOLPS-ITER modeling of ASDEX Upgrade L-mode detachment states. Plasma Physics and Controlled Fusion, 2021, 63, 105005.	2.1	8
14	Parameter dependencies of the experimental nitrogen concentration required for detachment on ASDEX Upgrade and JET. Nuclear Materials and Energy, 2021, 28, 101000.	1.3	2
15	Developments towards an ELM-free pedestal radiative cooling scenario using noble gas seeding in ASDEX Upgrade. Nuclear Fusion, 2021, 61, 016002.	3.5	33
16	X-point radiation, its control and an ELM suppressed radiating regime at the ASDEX Upgrade tokamak. Nuclear Fusion, 2021, 61, 024001.	3.5	59
17	Experimental verification of X-point potential well formation in unfavorable magnetic field direction. Nuclear Materials and Energy, 2020, 25, 100839.	1.3	7
18	X-point potential well formation in diverted tokamaks with unfavorable magnetic field direction. Nuclear Fusion, 2020, 60, 054005.	3.5	24

#	Article	IF	Citations
19	Self-sustained divertor oscillations in ASDEX Upgrade. Nuclear Fusion, 2020, 60, 076013.	3.5	7
20	Summary of the 3rd IAEA technical meeting on divertor concepts. Nuclear Fusion, 2020, 60, 097001.	3.5	2
21	Peculiarity of highly radiating multi-impurity seeded H-mode plasmas on JET with ITER-like wall. Physica Scripta, 2020, T171, 014055.	2.5	10
22	Shaping effects on scrape-off layer plasma turbulence: A rigorous validation of three-dimensional simulations against TCV measurements. Physics of Plasmas, 2020, 27, .	1.9	10
23	H-mode confinement in the pellet-enforced high-density regime of the all-metal-wall tokamak ASDEX Upgrade. Nuclear Fusion, 2020, 60, 092003.	3.5	9
24	Comparison of SOLPS5.0 and SOLPSâ€ITER simulations for ASDEX upgrade Lâ€mode. Contributions To Plasma Physics, 2020, 60, e201900120.	1.1	2
25	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
26	SOLPS-ITER modeling with activated drifts for a snowflake divertor in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2020, 62, 045005.	2.1	15
27	The diffusion limit of ballistic transport in the scrape-off layer. Physics of Plasmas, 2020, 27, .	1.9	11
28	Impact of drifts in the ASDEX upgrade upper open divertor using SOLPSâ€ITER. Contributions To Plasma Physics, 2020, 60, e201900166.	1.1	5
29	Impurity transport and divertor retention in Ar and N seeded SOLPS 5.0 simulations for ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2020, 62, 085013.	2.1	18
30	Near- and far scrape-off layer transport studies in detached, small-ELM ASDEX Upgrade discharges by means of EMC3-EIRENE. Plasma Physics and Controlled Fusion, 2020, 62, 105016.	2.1	8
31	Measuring fast ions in fusion plasmas with neutron diagnostics at JET. Plasma Physics and Controlled Fusion, 2019, 61, 014027.	2.1	23
32	Overview of physics studies on ASDEX Upgrade. Nuclear Fusion, 2019, 59, 112014.	3.5	38
33	Novel method for determination of tritium depth profiles in metallic samples. Nuclear Fusion, 2019, 59, 106006.	3.5	2
34	Langmuir probe electronics upgrade on the tokamak Ã configuration variable. Review of Scientific Instruments, 2019, 90, 083502.	1.3	26
35	Isotope identity experiments in JET-ILW with H and D L-mode plasmas. Nuclear Fusion, 2019, 59, 076028.	3.5	31
36	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

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37	A new mechanism for increasing density peaking in tokamaks: improvement of the inward particle pinch with edge E Ã— B shearing. Plasma Physics and Controlled Fusion, 2019, 61, 104002.	2.1	12
38	SOLPS-ITER simulations of the TCV divertor upgrade. Plasma Physics and Controlled Fusion, 2019, 61, 085029.	2.1	35
39	Erosion, screening, and migration of tungsten in the JET divertor. Nuclear Fusion, 2019, 59, 096035.	3.5	60
40	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
41	Characterisation of highly radiating neon seeded plasmas in JET-ILW. Nuclear Fusion, 2019, 59, 126031.	3.5	37
42	Synthetic diagnostic for the JET scintillator probe lost alpha measurements. Journal of Instrumentation, 2019, 14, C09018-C09018.	1.2	0
43	Self-consistent pedestal prediction for JET-ILW in preparation of the DT campaign. Physics of Plasmas, 2019, 26, .	1.9	26
44	Interpretative and predictive modelling of Joint European Torus collisionality scans. Plasma Physics and Controlled Fusion, 2019, 61, 115004.	2.1	4
45	Physics research on the TCV tokamak facility: from conventional to alternative scenarios and beyond. Nuclear Fusion, 2019, 59, 112023.	3.5	43
46	A machine learning approach based on generative topographic mapping for disruption prevention and avoidance at JET. Nuclear Fusion, 2019, 59, 106017.	3.5	36
47	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
48	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
49	A locked mode indicator for disruption prediction on JET and ASDEX upgrade. Fusion Engineering and Design, 2019, 138, 254-266.	1.9	8
50	Dependence on plasma shape and plasma fueling for small edge-localized mode regimes in TCV and ASDEX Upgrade. Nuclear Fusion, 2019, 59, 086020.	3.5	34
51	Impact of fast ions on density peaking in JET: fluid and gyrokinetic modeling. Plasma Physics and Controlled Fusion, 2019, 61, 075008.	2.1	3
52	Diagnostic of fast-ion energy spectra and densities in magnetized plasmas. Journal of Instrumentation, 2019, 14, C05019-C05019.	1.2	12
53	Assessment of particle and heat loads to the upper open divertor in ASDEX Upgrade in favourable and unfavourable toroidal magnetic field directions. Nuclear Materials and Energy, 2019, 19, 531-536.	1.3	4
54	Overview of the JET preparation for deuteriumâ€“tritium operation with the ITER like-wall. Nuclear Fusion, 2019, 59, 112021.	3.5	87

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55	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
56	Effect of magnetic perturbation fields on power decay length in EMC3-EIRENE simulations and comparison to experiment in ASDEX upgrade. Nuclear Materials and Energy, 2019, 19, 205-210.	1.3	2
57	Adaptive learning for disruption prediction in non-stationary conditions. Nuclear Fusion, 2019, 59, 086037.	3.5	27
58	2D and 3D studies of the X-divertor configuration in the future upper divertor of ASDEX upgrade. Nuclear Materials and Energy, 2019, 19, 107-112.	1.3	5
59	COREDIV numerical simulation of high neutron rate JET-ILW DD pulses in view of extension to JET-ILW DT experiments. Nuclear Fusion, 2019, 59, 056026.	3.5	4
60	SOLPS 5.0 simulations of the high-field side divertor detachment of L-mode plasmas in ASDEX upgrade with convection-dominated radial SOL transport. Nuclear Materials and Energy, 2019, 19, 279-286.	1.3	2
61	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
62	Evolution of nitrogen concentration and ammonia production in N₂-seeded H-mode discharges at ASDEX Upgrade. Nuclear Fusion, 2019, 59, 046010.	3.5	22
63	Real-time plasma state monitoring and supervisory control on TCV. Nuclear Fusion, 2019, 59, 026017.	3.5	13
64	Validation of the ICRF antenna coupling code RAPLICASOL against TOPICA and experiments. Nuclear Fusion, 2019, 59, 046001.	3.5	31
65	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
66	Radial variation of heat transport in L-mode JET discharges. Nuclear Fusion, 2019, 59, 056006.	3.5	3
67	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
68	ELM-induced cold pulse propagation in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2019, 61, 045003.	2.1	6
69	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
70	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
71	Improved neutron activation dosimetry for fusion. Fusion Engineering and Design, 2019, 139, 109-114.	1.9	7
72	Full-orbit and drift calculations of fusion product losses due to explosive fishbones on JET. Nuclear Fusion, 2019, 59, 016004.	3.5	9

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73	Effect of magnetic perturbations for ELM control on divertor power loads, detachment and consequences of field penetration in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2019, 61, 014008.	2.1	8
74	Adaptive predictors based on probabilistic SVM for real time disruption mitigation on JET. Nuclear Fusion, 2018, 58, 056002.	3.5	44
75	Scenario development for the observation of alpha-driven instabilities in JET DT plasmas. Nuclear Fusion, 2018, 58, 082005.	3.5	34
76	A multi-machine scaling of halo current rotation. Nuclear Fusion, 2018, 58, 016050.	3.5	18
77	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
78	Correlation of the tokamak H-mode density limit with ballooning stability at the separatrix. Nuclear Fusion, 2018, 58, 034001.	3.5	57
79	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
80	Versatile fusion source integrator AFSI for fast ion and neutron studies in fusion devices. Nuclear Fusion, 2018, 58, 016023.	3.5	17
81	Light impurity transport in JET ILW L-mode plasmas. Nuclear Fusion, 2018, 58, 036009.	3.5	13
82	14 MeV calibration of JET neutron detectorsâ€”phase 1: calibration and characterization of the neutron source. Nuclear Fusion, 2018, 58, 026012.	3.5	22
83	ERO modeling and sensitivity analysis of locally enhanced beryllium erosion by magnetically connected antennas. Nuclear Fusion, 2018, 58, 016046.	3.5	9
84	Bayesian Integrated Data Analysis of Fast-Ion Measurements by Velocity-Space Tomography. Fusion Science and Technology, 2018, 74, 23-36.	1.1	15
85	Isotope effects on L-H threshold and confinement in tokamak plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 014045.	2.1	98
86	Divertor, scrape-off layer and pedestal particle dynamics in the ELM cycle on ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2018, 60, 025002.	2.1	12
87	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
88	High Z neoclassical transport: Application and limitation of analytical formulae for modelling JET experimental parameters. Physics of Plasmas, 2018, 25, .	1.9	14
89	Poloidal asymmetries in the edge density profiles on ASDEX Upgrade. Nuclear Fusion, 2018, 58, 026005.	3.5	11
90	Escaping alpha-particle monitor for burning plasmas. Nuclear Fusion, 2018, 58, 082009.	3.5	3

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91	On the universality of power laws for tokamak plasma predictions. Plasma Physics and Controlled Fusion, 2018, 60, 025028.	2.1	8
92	SOLPS simulations of detachment in a snowflake configuration for the future upper divertor in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2018, 60, 085005.	2.1	16
93	Tritium retention characteristics in dust particles in JET with ITER-like wall. Nuclear Materials and Energy, 2018, 17, 279-283.	1.3	20
94	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
95	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
96	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
97	Dependence of the turbulent particle flux on hydrogen isotopes induced by collisionality. Physics of Plasmas, 2018, 25, 082517.	1.9	16
98	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
99	Effects of nitrogen seeding on core ion thermal transport in JET ILW L-mode plasmas. Nuclear Fusion, 2018, 58, 026028.	3.5	17
100	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
101	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
102	On the role of filaments in perpendicular heat transport at the scrape-off layer. Nuclear Fusion, 2018, 58, 096015.	3.5	41
103	Propagating transport-code input parameter uncertainties with deterministic sampling. Plasma Physics and Controlled Fusion, 2018, 60, 125010.	2.1	0
104	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
105	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
106	First principles of modelling the stabilization of microturbulence by fast ions. Nuclear Fusion, 2018, 58, 082024.	3.5	22
107	Impact of electron-scale turbulence and multi-scale interactions in the JET tokamak. Nuclear Fusion, 2018, 58, 124003.	3.5	23
108	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

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109	Observation of enhanced ion particle transport in mixed H/D isotope plasmas on JET. Nuclear Fusion, 2018, 58, 076022.	3.5	20
110	Fast H isotope and impurity mixing in ion-temperature-gradient turbulence. Nuclear Fusion, 2018, 58, 076028.	3.5	33
111	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
112	Neutral pathways and heat flux widths in vertical- and horizontal-target EDGE2D-EIRENE simulations of JET. Nuclear Fusion, 2018, 58, 096029.	3.5	19
113	Molecular ND Band Spectroscopy in the Divertor Region of Nitrogen Seeded JET Discharges. Journal of Physics: Conference Series, 2018, 959, 012009.	0.4	7
114	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
115	Integrated modelling of H-mode pedestal and confinement in JET-ILW. Plasma Physics and Controlled Fusion, 2018, 60, 014042.	2.1	40
116	Scaling of the geodesic acoustic mode amplitude on JET. Plasma Physics and Controlled Fusion, 2018, 60, 085006.	2.1	5
117	First principle integrated modeling of multi-channel transport including Tungsten in JET. Nuclear Fusion, 2018, 58, 096003.	3.5	22
118	Alpha heating, isotopic mass, and fast ion effects in deuteriumâ€“tritium experiments. Nuclear Fusion, 2018, 58, 096011.	3.5	3
119	Stability and propagation of the high field side high density front in the fluctuating state of detachment in ASDEX Upgrade. Nuclear Materials and Energy, 2017, 12, 1152-1156.	1.3	9
120	High power neon seeded JET discharges: Experiments and simulations. Nuclear Materials and Energy, 2017, 12, 882-886.	1.3	13
121	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
122	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
123	Energy balance in JET. Nuclear Materials and Energy, 2017, 12, 227-233.	1.3	18
124	Possible influence of near SOL plasma on the H-mode power threshold. Nuclear Materials and Energy, 2017, 12, 273-277.	1.3	16
125	Detachment evolution on the TCV tokamak. Nuclear Materials and Energy, 2017, 12, 1071-1076.	1.3	37
126	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

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127	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
128	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
129	Plasma impact on diagnostic mirrors in JET. Nuclear Materials and Energy, 2017, 12, 506-512.	1.3	25
130	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
131	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
132	Plasma edge and plasma-wall interaction modelling: Lessons learned from metallic devices. Nuclear Materials and Energy, 2017, 12, 3-17.	1.3	17
133	Impact of the JET ITER-like wall on H-mode plasma fueling. Nuclear Fusion, 2017, 57, 066024.	3.5	6
134	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	16.7	73
135	Ion cyclotron resonance heating for tungsten control in various JET H-mode scenarios. Plasma Physics and Controlled Fusion, 2017, 59, 055001.	2.1	32
136	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
137	Simulation of neutral gas flow in the JET sub-divertor. Fusion Engineering and Design, 2017, 121, 13-21.	1.9	20
138	The effect of the isotope on the H-mode density limit. Nuclear Fusion, 2017, 57, 086007.	3.5	9
139	TCV divertor upgrade for alternative magnetic configurations. Nuclear Materials and Energy, 2017, 12, 1106-1111.	1.3	26
140	The emissivity of W coatings deposited on carbon materials for fusion applications. Fusion Engineering and Design, 2017, 114, 192-195.	1.9	9
141	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
142	CeBr3â€“based detector for gamma-ray spectrometer upgrade at JET. Fusion Engineering and Design, 2017, 123, 986-989.	1.9	4
143	Expanding the role of impurity spectroscopy for investigating the physics of high-Z dissipative divertors. Nuclear Materials and Energy, 2017, 12, 91-99.	1.3	7
144	Overview of the JET ITER-like wall divertor. Nuclear Materials and Energy, 2017, 12, 499-505.	1.3	46

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145	Power exhaust by SOL and pedestal radiation at ASDEX Upgrade and JET. Nuclear Materials and Energy, 2017, 12, 111-118.	1.3	92
146	Proposal of an alternative upper divertor in ASDEX Upgrade supported by EMC3-EIRENE simulations. Nuclear Materials and Energy, 2017, 12, 1037-1042.	1.3	23
147	The high field side high density region in SOLPS-modeling of nitrogen-seeded H-modes in ASDEX Upgrade. Nuclear Materials and Energy, 2017, 12, 193-199.	1.3	77
148	Main chamber wall plasma loads in JET-ITER-like wall at high radiated fraction. Nuclear Materials and Energy, 2017, 12, 234-240.	1.3	7
149	Modeling of argon seeding in ASDEX Upgrade H-mode plasma with SOLPS5.0. Nuclear Materials and Energy, 2017, 12, 1146-1151.	1.3	3
150	Structure, tritium depth profile and desorption from â€˜plasma-facingâ€™ beryllium materials of ITER-Like-Wall at JET. Nuclear Materials and Energy, 2017, 12, 642-647.	1.3	14
151	3D simulations of gas puff effects on edge plasma and ICRF coupling in JET. Nuclear Fusion, 2017, 57, 056042.	3.5	14
152	Determining the prediction limits of models and classifiers with applications for disruption prediction in JET. Nuclear Fusion, 2017, 57, 016024.	3.5	4
153	Comparative H-mode density limit studies in JET and AUG. Nuclear Materials and Energy, 2017, 12, 100-110.	1.3	13
154	The effect of lower hybrid waves on JET plasma rotation. Nuclear Fusion, 2017, 57, 034002.	3.5	6
155	Investigation of the effects of impurity seeding under different magnetic configurations in L-mode plasma in EAST tokamak. Physics of Plasmas, 2017, 24, 092514.	1.9	9
156	Investigation of sustainable high-Î²scenarios in the JT-60SA C-wall. Nuclear Fusion, 2017, 57, 116010.	3.5	4
157	Velocity-space sensitivities of neutron emission spectrometers at the tokamaks JET and ASDEX Upgrade in deuterium plasmas. Review of Scientific Instruments, 2017, 88, 073506.	1.3	30
158	A tool to support the construction of reliable disruption databases. Fusion Engineering and Design, 2017, 125, 139-153.	1.9	12
159	Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution ^a. Nuclear Fusion, 2017, 57, 102014.	3.5	23
160	Towards self-consistent plasma modelisation in presence of neoclassical tearing mode and sawteeth: effects on transport coefficients. Plasma Physics and Controlled Fusion, 2017, 59, 125012.	2.1	2
161	Evaluation of the plasma hydrogen isotope content by residual gas analysis at JET and AUG. Physica Scripta, 2017, T170, 014021.	2.5	6
162	Simulation of JET ITER-Like Wall pulses at high neon seeding rate. Nuclear Fusion, 2017, 57, 126021.	3.5	10

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163	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
164	Dynamics and stability of divertor detachment in H-mode plasmas on JET. Plasma Physics and Controlled Fusion, 2017, 59, 095003.	2.1	34
165	Quartz micro-balance results of pulse-resolved erosion/deposition in the JET-ILW divertor. Nuclear Materials and Energy, 2017, 12, 478-482.	1.3	6
166	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
167	Development of MPPC-based detectors for high count rate DT campaigns at JET. Fusion Engineering and Design, 2017, 123, 940-944.	1.9	5
168	Real time control developments at JET in preparation for deuterium-tritium operation. Fusion Engineering and Design, 2017, 123, 535-540.	1.9	7
169	SOL parallel momentum loss in ASDEX Upgrade and comparison with SOLPS. Nuclear Materials and Energy, 2017, 12, 181-186.	1.3	18
170	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	3.5	150
171	An optimized upper divertor with divertor-coils to study enhanced divertor configurations in ASDEX Upgrade. Fusion Engineering and Design, 2017, 123, 508-512.	1.9	9
172	Determination of the stochastic layer properties induced by magnetic perturbations via heat pulse experiments at ASDEX upgrade. Nuclear Materials and Energy, 2017, 12, 831-837.	1.3	5
173	Gyrokinetic simulations of particle transport in pellet fuelled JET discharges. Plasma Physics and Controlled Fusion, 2017, 59, 105005.	2.1	2
174	Sawtooth pacing with on-axis ICRH modulation in JET-ILW. Nuclear Fusion, 2017, 57, 036027.	3.5	23
175	Impact of divertor geometry on H-mode confinement in the JET metallic wall. Nuclear Fusion, 2017, 57, 086025.	3.5	24
176	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
177	Analysis of activation and damage of ITER material samples expected from DD/DT campaign at JET. Fusion Engineering and Design, 2017, 125, 307-313.	1.9	6
178	EDGE2D-EIRENE simulations of the impact of poloidal flux expansion on the radiative divertor performance in JET. Nuclear Materials and Energy, 2017, 12, 786-790.	1.3	3
179	Assessment of divertor heat load with and without external magnetic perturbation. Nuclear Fusion, 2017, 57, 066045.	3.5	12
180	The role of the density profile in the ASDEX-Upgrade pedestal structure. Plasma Physics and Controlled Fusion, 2017, 59, 014017.	2.1	69

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181	Intra-ELM tungsten sputtering in JET ITER-like wall: analytical studies of Be impurity and ELM type influence. Physica Scripta, 2017, T170, 014065.	2.5	3
182	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
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