Mark Turner

List of Publications by Year
in descending order

331 papers	9,967 citations	44069 48 h-index	56724 83 g-index
333 all docs	333 docs citations	333 times ranked	5260 citing authors

#	Article	IF	Citations
1	The 2017 Plasma Roadmap: Low temperature plasma science and technology. Journal Physics D: Applied Physics, 2017, 50, 323001.	2.8	710
2	Standing wave and skin effects in large-area, high-frequency capacitive discharges. Plasma Sources Science and Technology, 2002, 11, 283-293.	3.1	324
3	Collisionless electron heating in an inductively coupled discharge. Physical Review Letters, 1993, 71, 1844-1847.	7.8	218
4	Independent control of ion current and ion impact energy onto electrodes in dual frequency plasma devices. Journal Physics D: Applied Physics, 2004, 37, 697-701.	2.8	214
5	Simulation benchmarks for low-pressure plasmas: Capacitive discharges. Physics of Plasmas, 2013, 20, .	1.9	198
6	Hysteresis and the E-to-H transition in radiofrequency inductive discharges. Plasma Sources Science and Technology, 1999, 8, 313-324.	3.1	183
7	Pressure Heating of Electrons in Capacitively Coupled rf Discharges. Physical Review Letters, 1995, 75, 1312-1315.	7.8	161
8	Collisionless Heating in Capacitive Discharges Enhanced by Dual-Frequency Excitation. Physical Review Letters, 2006, 96, 205001.	7.8	161
9	Frequency coupling in dual frequency capacitively coupled radio-frequency plasmas. Applied Physics Letters, 2006, 89, 261502.	3.3	159
10	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	3.5	150
11	Electrostatic modelling of dual frequency rf plasma discharges. Plasma Sources Science and Technology, 2004, 13, 493-503.	3.1	149
12	Concepts and characteristics of the â€˜COST Reference Microplasma Jetâ€™. Journal Physics D: Applied Physics, 2016, 49, 084003.	2.8	148
13	The 2022 Plasma Roadmap: low temperature plasma science and technology. Journal Physics D: Applied Physics, 2022, 55, 373001.	2.8	139
14	Characterization of the E to H transition in a pulsed inductively coupled plasma discharge with internal coil geometry: bi-stability and hysteresis. Plasma Sources Science and Technology, 1999, 8, 576-586.	3.1	126
15	Collisionless Electron Heating by Capacitive rf Sheaths. Physical Review Letters, 2001, 87, 135004.	7.8	122
16	Analytical model of a dual frequency capacitive sheath. Journal Physics D: Applied Physics, 2003, 36, 1810-1816.	2.8	118
17	Space and phase resolved plasma parameters in an industrial dual-frequency capacitively coupled radio-frequency discharge. Journal Physics D: Applied Physics, 2007, 40, 7008-7018.	2.8	116
18	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

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19	Collisionless heating in radio-frequency discharges: a review. Journal Physics D: Applied Physics, 2009, 42, 194008.	2.8	113
20	Hysteresis in the E- to H-mode transition in a planar coil, inductively coupled rf argon discharge. Journal Physics D: Applied Physics, 1998, 31, 3082-3094.	2.8	104
21	Anomalous sheath heating in a low pressure rf discharge in nitrogen. Physical Review Letters, 1992, 69, 3511-3514.	7.8	102
22	Kinetic properties of particle-in-cell simulations compromised by Monte Carlo collisions. Physics of Plasmas, 2006, 13, 033506.	1.9	94
23	Power exhaust by SOL and pedestal radiation at ASDEX Upgrade and JET. Nuclear Materials and Energy, 2017, 12, 111-118.	1.3	92
24	Foundations of modelling of nonequilibrium low-temperature plasmas. Plasma Sources Science and Technology, 2018, 27, 023002.	3.1	92
25	Heating Mode Transition Induced by a Magnetic Field in a Capacitive rf Discharge. Physical Review Letters, 1996, 76, 2069-2072.	7.8	85
26	Beryllium migration in JET ITER-like wall plasmas. Nuclear Fusion, 2015, 55, 063021.	3.5	83
27	WEST Physics Basis. Nuclear Fusion, 2015, 55, 063017.	3.5	82
28	Pedestal confinement and stability in JET-ILW ELMy H-modes. Nuclear Fusion, 2015, 55, 113031.	3.5	82
29	Core turbulent transport in tokamak plasmas: bridging theory and experiment with QuaLiKiz. Plasma Physics and Controlled Fusion, 2016, 58, 014036.	2.1	81
30	Improved confinement in JET highÎ²plasmas with an ITER-like wall. Nuclear Fusion, 2015, 55, 053031.	3.5	79
31	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	16.7	73
32	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	3.5	70
33	WALLDYN simulations of global impurity migration in JET and extrapolations to ITER. Nuclear Fusion, 2015, 55, 053015.	3.5	67
34	Stationary Zonal Flows during the Formation of the Edge Transport Barrier in the JET Tokamak. Physical Review Letters, 2016, 116, 065002.	7.8	64
35	One-dimensional particle-in-cell simulation of a current-free double layer in an expanding plasma. Physics of Plasmas, 2005, 12, 052317.	1.9	63
36	Dual sightline measurements of MeV range deuterons with neutron and gamma-ray spectroscopy at JET. Nuclear Fusion, 2015, 55, 123026.	3.5	60

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37	Runaway electron beam generation and mitigation during disruptions at JET-ILW. Nuclear Fusion, 2015, 55, 093013.	3.5	58
38	Uncertainty and error in complex plasma chemistry models. Plasma Sources Science and Technology, 2015, 24, 035027.	3.1	58
39	Melt damage to the JET ITER-like Wall and divertor. Physica Scripta, 2016, T167, 014070.	2.5	58
40	Erosion and deposition in the JET divertor during the first ILW campaign. Physica Scripta, 2016, T167, 014051.	2.5	58
41	Global models of electronegative discharges: critical evaluation and practical recommendations. Plasma Sources Science and Technology, 2008, 17, 045003.	3.1	56
42	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
43	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
44	Modelling of the dual frequency capacitive sheath in the intermediate pressure range. Journal Physics D: Applied Physics, 2004, 37, 1451-1458.	2.8	54
45	Long-term fuel retention in JET ITER-like wall. Physica Scripta, 2016, T167, 014075.	2.5	52
46	First dust study in JET with the ITER-like wall: sampling, analysis and classification. Nuclear Fusion, 2015, 55, 113033.	3.5	51
47	Scaling of the MHD perturbation amplitude required to trigger a disruption and predictions for ITER. Nuclear Fusion, 2016, 56, 026007.	3.5	51
48	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	3.5	50
49	The impact of poloidal asymmetries on tungsten transport in the core of JET H-mode plasmas. Physics of Plasmas, 2015, 22, 055902.	1.9	49
50	Electron heating mechanisms in dual-frequency capacitive discharges. Plasma Sources Science and Technology, 2007, 16, 364-371.	3.1	48
51	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
52	Overview of JET results. Nuclear Fusion, 2009, 49, 104006.	3.5	46
53	Overview of the JET ITER-like wall divertor. Nuclear Materials and Energy, 2017, 12, 499-505.	1.3	46
54	Three-dimensional non-linear magnetohydrodynamic modeling of massive gas injection triggered disruptions in JET. Physics of Plasmas, 2015, 22, .	1.9	45

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55	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
56	Effect of driving frequency on the electron energy distribution function and electron-sheath interaction in a low pressure capacitively coupled plasma. Physics of Plasmas, 2016, 23, .	1.9	44
57	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
58	Analysis of the excited argon atoms in the GEC RF reference cell by means of one-dimensional PIC simulations. Journal Physics D: Applied Physics, 2004, 37, 2216-2222.	2.8	42
59	First neutron spectroscopy measurements with a pixelated diamond detector at JET. Review of Scientific Instruments, 2016, 87, 11D833.	1.3	42
60	QDB: a new database of plasma chemistries and reactions. Plasma Sources Science and Technology, 2017, 26, 055014.	3.1	42
61	Comparison of measurements and particle-in-cell simulations of ion energy distribution functions in a capacitively coupled radio-frequency discharge. Physics of Plasmas, 2007, 14, 103510.	1.9	41
62	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
63	Pulse sharpening in a uniform LC ladder network containing nonlinear ferroelectric capacitors. IEEE Transactions on Electron Devices, 1991, 38, 767-771.	3.0	40
64	The effects of a small transverse magnetic field upon a capacitively coupled RF discharge. IEEE Transactions on Plasma Science, 1995, 23, 636-643.	1.3	40
65	Inferring divertor plasma properties from hydrogen Balmer and Paschen series spectroscopy in JET-ILW. Nuclear Fusion, 2015, 55, 123028.	3.5	40
66	JET and COMPASS asymmetrical disruptions. Nuclear Fusion, 2015, 55, 113006.	3.5	40
67	Influence of excitation frequency on the metastable atoms and electron energy distribution function in a capacitively coupled argon discharge. Physics of Plasmas, 2018, 25, .	1.9	40
68	Overview of JET results. Nuclear Fusion, 2003, 43, 1540-1554.	3.5	38
69	Anomalous skin effect and collisionless power dissipation in inductively coupled discharges. Journal of Applied Physics, 2001, 89, 3580-3589.	2.5	37
70	Simulation study of stochastic heating in single-frequency capacitively coupled discharges with critical evaluation of analytical models. Plasma Sources Science and Technology, 2013, 22, 035014.	3.1	37
71	Physics of Plasmas, 2015, 22, 056115.	1.9	37
72	The role of MHD in causing impurity peaking in JET hybrid plasmas. Nuclear Fusion, 2016, 56, 066002.	3.5	37

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73	Uncertainty and sensitivity analysis in complex plasma chemistry models. Plasma Sources Science and Technology, 2016, 25, 015003.	3.1	37
74	Generation of reactive species by an atmospheric pressure plasma jet. Plasma Sources Science and Technology, 2014, 23, 065013.	3.1	36
75	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
76	Understanding the physics of ELM pacing via vertical kicks in JET in view of ITER. Nuclear Fusion, 2016, 56, 026001.	3.5	36
77	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
78	Using the resonance hairpin probe and pulsed photodetachment technique as a diagnostic for negative ions in oxygen plasma. Plasma Sources Science and Technology, 2010, 19, 065002.	3.1	34
79	Deep learning for plasma tomography using the bolometer system at JET. Fusion Engineering and Design, 2017, 114, 18-25.	1.9	34
80	Measured and simulated electron energy distribution functions in a lowâ€pressure radio frequency discharge in argon. Applied Physics Letters, 1993, 62, 3247-3249.	3.3	33
81	Simulation of kinetic effects in inductive discharges. Plasma Sources Science and Technology, 1996, 5, 159-165.	3.1	33
82	Plasma boundary sheath in the afterglow of a pulsed inductively coupled RF plasma. Plasma Sources Science and Technology, 2007, 16, 355-363.	3.1	33
83	Atomic oxygen patterning from a biomedical needle-plasma source. Journal of Applied Physics, 2013, 114, 123301.	2.5	33
84	Discriminating the trapped electron modes contribution in density fluctuation spectra. Nuclear Fusion, 2015, 55, 093021.	3.5	33
85	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
86	Gas and heat dynamics of a micro-scaled atmospheric pressure plasma reference jet. Journal Physics D: Applied Physics, 2015, 48, 444002.	2.8	33
87	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
88	Plasma density and ion energy control via driving frequency and applied voltage in a collisionless capacitively coupled plasma discharge. Physics of Plasmas, 2018, 25, .	1.9	33
89	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
90	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.	1.3	31

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91	Fast-ion energy resolution by one-step reaction gamma-ray spectrometry. Nuclear Fusion, 2016, 56, 046009.	3.5	31
92	Collisionless electron heating by capacitive radio-frequency plasma sheaths. Plasma Sources Science and Technology, 2001, 10, 117-124.	3.1	30
93	Benchmark experiments on neutron streaming through JET Torus Hall penetrations. Nuclear Fusion, 2015, 55, 053028.	3.5	29
94	Axisymmetric oscillations at Lâ€“H transitions in JET: M-mode. Nuclear Fusion, 2017, 57, 022021.	3.5	29
95	Methods of theoretical analysis and computer modeling of the shaping of electrical pulses by nonlinear transmission lines and lumped-element delay lines. IEEE Transactions on Electron Devices, 1991, 38, 810-816.	3.0	28
96	Use of particle-in-cell simulations to improve the actinometry technique for determination of absolute atomic oxygen density. Plasma Sources Science and Technology, 2013, 22, 045004.	3.1	28
97	Plasma confinement at JET. Plasma Physics and Controlled Fusion, 2016, 58, 014034.	2.1	28
98	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
99	Numerical effects on energy distribution functions in particle-in-cell simulations with Monte Carlo collisions: choosing numerical parameters. Plasma Sources Science and Technology, 2013, 22, 055001.	3.1	27
100	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
101	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
102	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
103	Electric field nonlinearity in very high frequency capacitive discharges at constant electron plasma frequency. Plasma Sources Science and Technology, 2020, 29, 045003.	3.1	27
104	Simulation study of wave phenomena from the sheath region in single frequency capacitively coupled plasma discharges; field reversals and ion reflection. Physics of Plasmas, 2013, 20, .	1.9	26
105	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
106	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
107	The effect of intermediate frequency on sheath dynamics in collisionless current driven triple frequency capacitive plasmas. Physics of Plasmas, 2017, 24, .	1.9	26
108	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

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109	Electric field filamentation and higher harmonic generation in very high frequency capacitive discharges. Journal Physics D: Applied Physics, 2019, 52, 365201.	2.8	26
110	On the global model approximation. Plasma Sources Science and Technology, 2009, 18, 045024.	3.1	25
111	Impact of divertor geometry on radiative divertor performance in JET H-mode plasmas. Plasma Physics and Controlled Fusion, 2016, 58, 045011.	2.1	25
112	Plasma impact on diagnostic mirrors in JET. Nuclear Materials and Energy, 2017, 12, 506-512.	1.3	25
113	Boundary Conditions and Particle Loading for the Modeling of a Semi-infinite Plasma. Journal of Computational Physics, 2001, 172, 348-355.	3.8	24
114	The temporal evolution in plasma potential during laser photo-detachment used to diagnose electronegative plasma. Plasma Sources Science and Technology, 2011, 20, 055003.	3.1	24
115	Performance of the prototype LaBr3 spectrometer developed for the JET gamma-ray camera upgrade. Review of Scientific Instruments, 2016, 87, 11E717.	1.3	24
116	Experimental investigation of geodesic acoustic modes on JET using Doppler backscattering. Nuclear Fusion, 2016, 56, 106026.	3.5	24
117	Behaviour of a planar Langmuir probe in a laser ablation plasma. Applied Surface Science, 2005, 247, 134-138.	6.1	23
118	Electron heating mode transitions in dual frequency capacitive discharges. Applied Physics Letters, 2006, 89, 231502.	3.3	23
119	Asymmetric toroidal eddy currents (ATEC) to explain sideways forces at JET. Nuclear Fusion, 2016, 56, 106010.	3.5	23
120	Sawtooth pacing with on-axis ICRH modulation in JET-ILW. Nuclear Fusion, 2017, 57, 036027.	3.5	23
121	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
122	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
123	Probing negative ion density and temperature using a resonance hairpin probe. Plasma Sources Science and Technology, 2015, 24, 022001.	3.1	22
124	Gyrokinetic study of turbulence suppression in a JET-ILW power scan. Plasma Physics and Controlled Fusion, 2016, 58, 115005.	2.1	22
125	Neutron emission spectroscopy of DT plasmas at enhanced energy resolution with diamond detectors. Review of Scientific Instruments, 2016, 87, 11D822.	1.3	22
126	Computer Simulation in Lowâ€Temperature Plasma Physics: Future Challenges. Plasma Processes and Polymers, 2017, 14, 1600121.	3.0	22

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127	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
128	14 MeV calibration of JET neutron detectorsâ€"phase 1: calibration and characterization of the neutron source. Nuclear Fusion, 2018, 58, 026012.	3.5	22
129	Influence of select discharge parameters on electric field transients triggered in collisionless very high frequency capacitive discharges. Physics of Plasmas, 2019, 26, .	1.9	22
130	Modeling of the self-sustained, discharge-excited xenon-chloride laser. IEEE Transactions on Plasma Science, 1991, 19, 350-360.	1.3	21
131	Investigation of the Formation Mechanism of Aligned Nano-Structured Siloxane Coatings Deposited Using an Atmospheric Plasma Jet. Plasma Processes and Polymers, 2013, 10, 888-903.	3.0	21
132	Radiation asymmetries during the thermal quench of massive gas injection disruptions in JET. Nuclear Fusion, 2015, 55, 123027.	3.5	21
133	Experimental evaluation of stable long term operation of semiconductor magnetic sensors at ITER relevant environment. Nuclear Fusion, 2015, 55, 083006.	3.5	21
134	Investigation of wave emission phenomena in dual frequency capacitive discharges using particle-in-cell simulation. Journal Physics D: Applied Physics, 2014, 47, 285201.	2.8	20
135	Non-linear MHD simulations of ELMs in JET and quantitative comparisons to experiments. Plasma Physics and Controlled Fusion, 2016, 58, 014026.	2.1	20
136	Deuterium trapping and release in JET ITER-like wall divertor tiles. Physica Scripta, 2016, T167, 014074.	2.5	20
137	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
138	Critical evaluation of analytical models for stochastic heating in dual-frequency capacitive discharges. Journal Physics D: Applied Physics, 2013, 46, 285203.	2.8	19
139	A radio-frequency sheath model for complex waveforms. Applied Physics Letters, 2014, 104, .	3.3	19
140	Collisionless sheath heating in current-driven capacitively coupled plasma discharges via higher order sinusoidal signals. Plasma Sources Science and Technology, 2015, 24, 025037.	3.1	19
141	Neutronics experiments and analyses in preparation of DT operations at JET. Fusion Engineering and Design, 2016, 109-111, 895-905.	1.9	19
142	JET experiments with tritium and deuteriumâ€"tritium mixtures. Fusion Engineering and Design, 2016, 109-111, 925-936.	1.9	19
143	Electromagnetic shockâ€wave generation in a lumped element delay line containing nonlinear ferroelectric capacitors. Applied Physics Letters, 1990, 56, 2471-2473.	3.3	18
144	One-dimensional simulation of an ion beam generated by a current-free double-Layer. IEEE Transactions on Plasma Science, 2005, 33, 334-335.	1.3	18

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145	L to H mode transition: parametric dependencies of the temperature threshold. Nuclear Fusion, 2015, 55, 073015.	3.5	18
146	High performance detectors for upgraded gamma ray diagnostics for JET DT campaigns. Physica Scripta, 2016, 91, 064003.	2.5	18
147	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
148	Nitrogen retention mechanisms in tokamaks with beryllium and tungsten plasma-facing surfaces. Physica Scripta, 2016, T167, 014077.	2.5	18
149	Experience of handling beryllium, tritium and activated components from JET ITER like wall. Physica Scripta, 2016, T167, 014057.	2.5	18
150	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
151	Application of transfer entropy to causality detection and synchronization experiments in tokamaks. Nuclear Fusion, 2016, 56, 026006.	3.5	18
152	Energy balance in JET. Nuclear Materials and Energy, 2017, 12, 227-233.	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	Modeling the selfâ€sustained dischargeâ€excited XeCl laser in two dimensions. Journal of Applied Physics, 1992, 71, 2113-2122.	2.5	17
155	Threeâ€Dimensional Fluid Model for Atmospheric Pressure Dielectric Barrier Discharge Plasma. Plasma Processes and Polymers, 2015, 12, 1104-1116.	3.0	17
156	Physics of Cold Plasma. , 2016, , 17-51.		17
157	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
158	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
159	Plasma edge and plasma-wall interaction modelling: Lessons learned from metallic devices. Nuclear Materials and Energy, 2017, 12, 3-17.	1.3	17
160	High-resolution tungsten spectroscopy relevant to the diagnostic of high-temperature tokamak plasmas. Physical Review A, 2018, 97, .	2.5	17
161	â€œAnomalousâ€•collisionality in low-pressure plasmas. Physics of Plasmas, 2013, 20, 124503.	1.9	16
162	Theory for the self-bias formation in capacitively coupled plasmas excited by arbitrary waveforms. Plasma Sources Science and Technology, 2013, 22, 065013.	3.1	16

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163	Possible influence of near SOL plasma on the H-mode power threshold. Nuclear Materials and Energy, 2017, 12, 273-277.	1.3	16
164	Bayesian electron density inference from JET lithium beam emission spectra using Gaussian processes. Nuclear Fusion, 2017, 57, 036017.	3.5	16
165	High frequency sheath modulation and higher harmonic generation in a low pressure very high frequency capacitively coupled plasma excited by sawtooth waveform. Plasma Sources Science and Technology, 2020, 29, 114001.	3.1	16
166	Investigation of atomic oxygen density in a capacitively coupled O₂/SF₆discharge using two-photon absorption laser-induced fluorescence spectroscopy and a Langmuir probe. Plasma Sources Science and Technology, 2013, 22, 045013.	3.1	15
167	Verification of particle-in-cell simulations with Monte Carlo collisions. Plasma Sources Science and Technology, 2016, 25, 054007.	3.1	15
168	Investigation of the electron kinetics in O2capacitively coupled plasma with the use of a Langmuir probe. Plasma Sources Science and Technology, 2017, 26, 065009.	3.1	15
169	Equivalence of the hard-wall and kinetic-fluid models of collisionless electron heating in capacitively coupled discharges. Plasma Sources Science and Technology, 2014, 23, 015016.	3.1	14
170	Influence of Gap Spacing between Dielectric Barriers in Atmospheric Pressure Discharges. Contributions To Plasma Physics, 2015, 55, 444-458.	1.1	14
171	Deep deuterium retention and Be/W mixing at tungsten coated surfaces in the JET divertor. Physica Scripta, 2016, T167, 014061.	2.5	14
172	How to assess the efficiency of synchronization experiments in tokamaks. Nuclear Fusion, 2016, 56, 076008.	3.5	14
173	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
174	Raman microscopy investigation of beryllium materials. Physica Scripta, 2016, T167, 014027.	2.5	14
175	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
176	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
177	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
178	Ion flow and sheath physics studies in multiple ion species plasmas using diode laser based laser-induced fluorescence. Thin Solid Films, 2006, 506-507, 674-678.	1.8	13
179	Electron heating in multiple-frequency capacitive discharges. Plasma Physics and Controlled Fusion, 2006, 48, B231-B237.	2.1	13
180	Radiation damage and nuclear heating studies in selected functional materials during the JET DT campaign. Fusion Engineering and Design, 2016, 109-111, 1011-1015.	1.9	13

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181	High power neon seeded JET discharges: Experiments and simulations. Nuclear Materials and Energy, 2017, 12, 882-886.	1.3	13
182	Comparative H-mode density limit studies in JET and AUG. Nuclear Materials and Energy, 2017, 12, 100-110.	1.3	13
183	Deuterium retention in the divertor tiles of JET ITER-Like wall. Nuclear Materials and Energy, 2017, 12, 655-661.	1.3	13
184	Precise Definition of a â€œMonolayer Pointâ€•in Polymer Brush Films for Fabricating Highly Coherent TiO₂ Thin Films by Vapor-Phase Infiltration. Langmuir, 2020, 36, 12394-12402.	3.5	13
185	Gyrokinetic modeling of impurity peaking in JET H-mode plasmas. Physics of Plasmas, 2017, 24, .	1.9	13
186	Plasma asymmetry and electron and ion energy distribution function in capacitive discharges excited by tailored waveforms. Journal Physics D: Applied Physics, 2022, 55, 275202.	2.8	13
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