

# Manuel Garcia-munoz

## List of Publications by Year in descending order

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510  
papers

10,891  
citations

47409

49  
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111975

67  
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515  
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515  
docs citations

515  
times ranked

3995  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo-mechanical limits of a magnetically driven fast-ion loss detector in the ASDEX Upgrade tokamak. <i>Journal of Instrumentation</i> , 2022, 17, C02020.	0.5	2
2	Characterization of scintillator screens under irradiation of low energy $^{133}\text{Cs}$ ions. <i>Journal of Instrumentation</i> , 2022, 17, P02026.	0.5	2
3	Plasma physics and control studies planned in JT-60SA for ITER and DEMO operations and risk mitigation. <i>Plasma Physics and Controlled Fusion</i> , 2022, 64, 054004.	0.9	6
4	In-out charge exchange measurements and 3D modelling of diagnostic thermal neutrals to study edge poloidal impurity asymmetries. <i>Plasma Physics and Controlled Fusion</i> , 2022, 64, 045021.	0.9	2
5	Overview of the TCV tokamak experimental programme. <i>Nuclear Fusion</i> , 2022, 62, 042018.	1.6	30
6	Conceptual Design of a Scintillator-Based Fast-Ion Loss Detector for the Wendelstein 7-X Stellarator. <i>IEEE Transactions on Plasma Science</i> , 2022, , 1-0.	0.6	0
7	Physics and applications of three-ion ICRF scenarios for fusion research. <i>Physics of Plasmas</i> , 2021, 28, .	0.7	42
8	Optimizing beam-ion confinement in ITER by adjusting the toroidal phase of the 3D magnetic fields applied for ELM control. <i>Nuclear Fusion</i> , 2021, 61, 046006.	1.6	15
9	Nonlinear trapping in wave-particle interactions in tokamaks. <i>Nuclear Fusion</i> , 2021, 61, 046009.	1.6	1
10	Design and simulation of an imaging neutral particle analyzer for the ASDEX Upgrade tokamak. <i>Review of Scientific Instruments</i> , 2021, 92, 043554.	0.6	7
11	Upgrade and absolute calibration of the JET scintillator-based fast-ion loss detector. <i>Review of Scientific Instruments</i> , 2021, 92, 043553.	0.6	6
12	Implementation of synthetic fast-ion loss detector and imaging heavy ion beam probe diagnostics in the 3D hybrid kinetic-MHD code MEGA. <i>Review of Scientific Instruments</i> , 2021, 92, 043558.	0.6	2
13	Self-adaptive diagnostic of radial fast-ion loss measurements on the ASDEX Upgrade tokamak (invited). <i>Review of Scientific Instruments</i> , 2021, 92, 053538.	0.6	3
14	Beam modulation and bump-on-tail effects on Alfvén eigenmode stability in DIII-D. <i>Nuclear Fusion</i> , 2021, 61, 066028.	1.6	10
15	Thermo-mechanical assessment of the JT-60SA fast-ion loss detector. <i>Fusion Engineering and Design</i> , 2021, 167, 112304.	1.0	4
16	Coils and power supplies design for the SMART tokamak. <i>Fusion Engineering and Design</i> , 2021, 168, 112683.	1.0	10
17	Hardware developments and commissioning of the imaging heavy ion beam probe at ASDEX upgrade. <i>Fusion Engineering and Design</i> , 2021, 168, 112644.	1.0	1
18	Single and double null equilibria in the SMART Tokamak. <i>Plasma Research Express</i> , 2021, 3, 044001.	0.4	2

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19	Magnetic equilibrium design for the SMART tokamak. Fusion Engineering and Design, 2021, 171, 112706.	1.0	5
20	Mechanical and electromagnetic design of the vacuum vessel of the SMART tokamak. Fusion Engineering and Design, 2021, 171, 112542.	1.0	9
21	Characterization of the response of Fast Ion Loss Detectors to fusion neutrons for applications at JT-60SA and ITER. Fusion Engineering and Design, 2021, 173, 112913.	1.0	0
22	IBIC analysis of SiC detectors developed for fusion applications. Radiation Physics and Chemistry, 2020, 177, 109100.	1.4	8
23	Observation of Alfvén Eigenmodes driven by off-axis neutral beam injection in the TCV tokamak. Plasma Physics and Controlled Fusion, 2020, 62, 095017.	0.9	12
24	Advances in the physics studies for the JT-60SA tokamak exploitation and research plan. Plasma Physics and Controlled Fusion, 2020, 62, 014009.	0.9	18
25	Nonlinear trapping in the bounce-transit and drift resonance and neoclassical toroidal plasma viscosity in tokamaks. Nuclear Fusion, 2020, 60, 056002.	1.6	2
26	Measuring fast ions in fusion plasmas with neutron diagnostics at JET. Plasma Physics and Controlled Fusion, 2019, 61, 014027.	0.9	23
27	Overview of physics studies on ASDEX Upgrade. Nuclear Fusion, 2019, 59, 112014.	1.6	38
28	A fast model to resolve the velocity-space of fast-ion losses detected in ASDEX Upgrade and MAST Upgrade. Journal of Instrumentation, 2019, 14, C09015-C09015.	0.5	3
29	Determination of the Fast-Ion Phase-Space Coverage for the FILD Spatial Array of the ASDEX Upgrade Tokamak. Journal of Instrumentation, 2019, 14, C10032-C10032.	0.5	0
30	Physics research on the TCV tokamak facility: from conventional to alternative scenarios and beyond. Nuclear Fusion, 2019, 59, 112023.	1.6	43
31	Determination of isotope ratio in the divertor of JET-ILW by high-resolution H $\alpha$ spectroscopy: H $\alpha$ -D experiment and implications for D-T experiment. Nuclear Fusion, 2019, 59, 046011.	1.6	23
32	A locked mode indicator for disruption prediction on JET and ASDEX upgrade. Fusion Engineering and Design, 2019, 138, 254-266.	1.0	8
33	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
34	Overview of the JET preparation for deuterium-tritium operation with the ITER like-wall. Nuclear Fusion, 2019, 59, 112021.	1.6	87
35	Active control of Alfvén eigenmodes in magnetically confined toroidal plasmas. Plasma Physics and Controlled Fusion, 2019, 61, 054007.	0.9	37
36	On a fusion born triton effect in JET deuterium discharges with H-minority ion cyclotron range of frequencies heating. Nuclear Fusion, 2019, 59, 064001.	1.6	4

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37	Observation of accelerated beam ion population during edge localized modes in the ASDEX Upgrade tokamak. Nuclear Fusion, 2019, 59, 066016.	1.6	7
38	Tritium distributions on W-coated divertor tiles used in the third JET ITER-like wall campaign. Nuclear Materials and Energy, 2019, 18, 258-261.	0.6	10
39	Evolution of nitrogen concentration and ammonia production in N <sub>2</sub> -seeded H-mode discharges at ASDEX Upgrade. Nuclear Fusion, 2019, 59, 046010.	1.6	22
40	Real-time plasma state monitoring and supervisory control on TCV. Nuclear Fusion, 2019, 59, 026017.	1.6	13
41	Validation of the ICRF antenna coupling code RAPLICASOL against TOPICA and experiments. Nuclear Fusion, 2019, 59, 046001.	1.6	31
42	Fast ion synergistic effects in JET high performance pulses. Nuclear Fusion, 2019, 59, 056005.	1.6	15
43	Application of Gaussian process regression to plasma turbulent transport model validation via integrated modelling. Nuclear Fusion, 2019, 59, 056007.	1.6	39
44	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.	0.6	1
45	Approximate analytic expressions using Stokes model for tokamak polarimetry and their range of validity. Plasma Physics and Controlled Fusion, 2019, 61, 055008.	0.9	5
46	Radial variation of heat transport in L-mode JET discharges. Nuclear Fusion, 2019, 59, 056006.	1.6	3
47	Forward modeling of collective Thomson scattering for Wendelstein 7-X plasmas: Electrostatic approximation. Review of Scientific Instruments, 2019, 90, 023501.	0.6	6
48	Long-lived coupled peeling ballooning modes preceding ELMs on JET. Nuclear Fusion, 2019, 59, 056004.	1.6	11
49	First measurements of a magnetically driven fast-ion loss detector on ASDEX Upgrade. Journal of Instrumentation, 2019, 14, C11005-C11005.	0.5	6
50	Upgrade of the edge Charge Exchange Recombination Spectroscopy system at the High Field Side of ASDEX Upgrade. Journal of Instrumentation, 2019, 14, C11006-C11006.	0.5	3
51	Feasibility study for an edge main ion charge exchange recombination spectroscopy system at ASDEX Upgrade. Journal of Instrumentation, 2019, 14, C10040-C10040.	0.5	2
52	Beam modelling and hardware design of an imaging heavy ion beam probe for ASDEX Upgrade. Journal of Instrumentation, 2019, 14, C10030-C10030.	0.5	4
53	ELM-induced cold pulse propagation in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2019, 61, 045003.	0.9	6
54	Characterisation of the fast-ion edge resonant transport layer induced by 3D perturbative fields in the ASDEX Upgrade tokamak through full orbit simulations. Plasma Physics and Controlled Fusion, 2019, 61, 014038.	0.9	30

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55	Gyrokinetic simulations of toroidal Alfvén eigenmodes excited by energetic ions and external antennas on the Joint European Torus. Nuclear Fusion, 2019, 59, 026008.	1.6	7
56	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
57	Analysis of the outer divertor hot spot activity in the protection video camera recordings at JET. Fusion Engineering and Design, 2019, 139, 115-123.	1.0	3
58	Material migration and fuel retention studies during the JET carbon divertor campaigns. Fusion Engineering and Design, 2019, 138, 78-108.	1.0	25
59	Improved neutron activation dosimetry for fusion. Fusion Engineering and Design, 2019, 139, 109-114.	1.0	7
60	Full-orbit and drift calculations of fusion product losses due to explosive fishbones on JET. Nuclear Fusion, 2019, 59, 016004.	1.6	9
61	Core plasma ion cyclotron emission driven by fusion-born ions. Nuclear Fusion, 2019, 59, 014001.	1.6	12
62	Runaway electron beam control. Plasma Physics and Controlled Fusion, 2019, 61, 014036.	0.9	26
63	Testing of tritium breeder blanket activation foil spectrometer during JET operations. Fusion Engineering and Design, 2018, 136, 258-264.	1.0	7
64	Adaptive predictors based on probabilistic SVM for real time disruption mitigation on JET. Nuclear Fusion, 2018, 58, 056002.	1.6	44
65	Scenario development for the observation of alpha-driven instabilities in JET DT plasmas. Nuclear Fusion, 2018, 58, 082005.	1.6	34
66	Characterisation of neutron generators and monitoring detectors for the in-vessel calibration of JET. Fusion Engineering and Design, 2018, 136, 233-238.	1.0	5
67	Multi-machine analysis of termination scenarios with comparison to simulations of controlled shutdown of ITER discharges. Nuclear Fusion, 2018, 58, 026019.	1.6	20
68	Sub-millisecond electron density profile measurement at the JET tokamak with the fast lithium beam emission spectroscopy system. Review of Scientific Instruments, 2018, 89, 043509.	0.6	14
69	Non-Maxwellian fast particle effects in gyrokinetic GENE simulations. Physics of Plasmas, 2018, 25, .	0.7	29
70	On the potential of rule-based machine learning for disruption prediction on JET. Fusion Engineering and Design, 2018, 130, 62-68.	1.0	10
71	MHD spectroscopy of JET plasmas with pellets via Alfvén eigenmodes. Nuclear Fusion, 2018, 58, 082008.	1.6	7
72	Real-time implementation with FPGA-based DAQ system of a probabilistic disruption predictor from scratch. Fusion Engineering and Design, 2018, 129, 179-182.	1.0	2

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73	Evidence of $9\text{Be} + \text{D}$ nuclear reactions during $2\text{D}$ and hydrogen minority ICRH in JET-ILW hydrogen and deuterium plasmas. Nuclear Fusion, 2018, 58, 026033.	1.6	3
74	TAE stability calculations compared to TAE antenna results in JET. Nuclear Fusion, 2018, 58, 082007.	1.6	11
75	Divertor currents optimization procedure for JET-ILW high flux expansion experiments. Fusion Engineering and Design, 2018, 129, 115-119.	1.0	1
76	A multi-machine scaling of halo current rotation. Nuclear Fusion, 2018, 58, 016050.	1.6	18
77	Plasma-wall interaction on the divertor tiles of JET ITER-like wall from the viewpoint of micro/nanosopic observations. Fusion Engineering and Design, 2018, 136, 199-204.	1.0	5
78	High fusion performance at high $T_e$ in JET-ILW baseline plasmas with high NBI heating power and low gas puffing. Nuclear Fusion, 2018, 58, 036020.	1.6	23
79	Full-Pulse Tomographic Reconstruction with Deep Neural Networks. Fusion Science and Technology, 2018, 74, 47-56.	0.6	22
80	Correlation of the tokamak H-mode density limit with ballooning stability at the separatrix. Nuclear Fusion, 2018, 58, 034001.	1.6	57
81	Neutron spectroscopy measurements of 14 MeV neutrons at unprecedented energy resolution and implications for deuterium-tritium fusion plasma diagnostics. Measurement Science and Technology, 2018, 29, 045502.	1.4	35
82	Versatile fusion source integrator AFSI for fast ion and neutron studies in fusion devices. Nuclear Fusion, 2018, 58, 016023.	1.6	17
83	Velocity space resolved absolute measurement of fast ion losses induced by a tearing mode in the ASDEX Upgrade tokamak. Nuclear Fusion, 2018, 58, 036005.	1.6	17
84	Light impurity transport in JET ILW L-mode plasmas. Nuclear Fusion, 2018, 58, 036009.	1.6	13
85	14 MeV calibration of JET neutron detectors – phase 1: calibration and characterization of the neutron source. Nuclear Fusion, 2018, 58, 026012.	1.6	22
86	ERO modeling and sensitivity analysis of locally enhanced beryllium erosion by magnetically connected antennas. Nuclear Fusion, 2018, 58, 016046.	1.6	9
87	Modelling of JET DT experiments in ILW configurations. Contributions To Plasma Physics, 2018, 58, 739-745.	0.5	1
88	High-resolution tungsten spectroscopy relevant to the diagnostic of high-temperature tokamak plasmas. Physical Review A, 2018, 97, .	1.0	17
89	Bayesian Integrated Data Analysis of Fast-Ion Measurements by Velocity-Space Tomography. Fusion Science and Technology, 2018, 74, 23-36.	0.6	15
90	Modelling of the neutron production in a mixed beam DT neutron generator. Fusion Engineering and Design, 2018, 136, 1089-1093.	1.0	9

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91	Analysis of possible improvement of the plasma performance in JET due to the inward spatial channelling of fast-ion energy. Nuclear Fusion, 2018, 58, 076012.	1.6	8
92	Control and data acquisition software upgrade for JET gamma-ray diagnostics. Fusion Engineering and Design, 2018, 128, 117-121.	1.0	4
93	Isotope effects on L-H threshold and confinement in tokamak plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 014045.	0.9	98
94	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
95	High Z neoclassical transport: Application and limitation of analytical formulae for modelling JET experimental parameters. Physics of Plasmas, 2018, 25, .	0.7	14
96	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
97	Experimental validation of an analytical kinetic model for edge-localized modes in JET-ITER-like wall. Nuclear Fusion, 2018, 58, 066006.	1.6	20
98	ICRH antennaS-matrix measurements and plasma coupling characterisation at JET. Nuclear Fusion, 2018, 58, 046012.	1.6	5
99	First observation of the depolarization of Thomson scattering radiation by a fusion plasma. Nuclear Fusion, 2018, 58, 044003.	1.6	0
100	Escaping alpha-particle monitor for burning plasmas. Nuclear Fusion, 2018, 58, 082009.	1.6	3
101	Nonlinear dynamic analysis of $D_{\pm}$ signals for type I edge localized modes characterization on JET with a carbon wall. Plasma Physics and Controlled Fusion, 2018, 60, 025010.	0.9	3
102	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
103	The effects of electron cyclotron heating and current drive on toroidal Alfvén eigenmodes in tokamak plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 014026.	0.9	26
104	Fusion product losses due to fishbone instabilities in deuterium JET plasmas. Nuclear Fusion, 2018, 58, 014003.	1.6	15
105	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.	0.9	17
106	Pedestal evolution physics in low triangularity JET tokamak discharges with ITER-like wall. Nuclear Fusion, 2018, 58, 016021.	1.6	14
107	Equilibrium reconstruction in an iron core tokamak using a deterministic magnetisation model. Computer Physics Communications, 2018, 223, 1-17.	3.0	12
108	On the universality of power laws for tokamak plasma predictions. Plasma Physics and Controlled Fusion, 2018, 60, 025028.	0.9	8

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109	Comparison of runaway electron generation parameters in small, medium-sized and large tokamaksâ€”A survey of experiments in COMPASS, TCV, ASDEX-Upgrade and JET. Nuclear Fusion, 2018, 58, 016014.	1.6	12
110	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
111	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
112	On the Use of Transfer Entropy to Investigate the Time Horizon of Causal Influences between Signals. Entropy, 2018, 20, 627.	1.1	14
113	An improved model for the accurate calculation of parallel heat fluxes at the JET bulk tungsten outer divertor. Nuclear Fusion, 2018, 58, 106034.	1.6	6
114	Tritium retention characteristics in dust particles in JET with ITER-like wall. Nuclear Materials and Energy, 2018, 17, 279-283.	0.6	20
115	Shutdown dose rate measurements after the 2016 Deuterium-Deuterium campaign at JET. Fusion Engineering and Design, 2018, 136, 1348-1353.	1.0	5
116	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.	0.6	4
117	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
118	Application of the Denovo Discrete Ordinates Radiation Transport Code to Large-Scale Fusion Neutronics. Fusion Science and Technology, 2018, 74, 303-314.	0.6	5
119	JET diagnostic enhancements testing and commissioning in preparation for DT scientific campaigns. Review of Scientific Instruments, 2018, 89, 10K119.	0.6	7
120	A rotary and reciprocating scintillator based fast-ion loss detector for the MAST-U tokamak. Review of Scientific Instruments, 2018, 89, 10I112.	0.6	11
121	Dependence of the turbulent particle flux on hydrogen isotopes induced by collisionality. Physics of Plasmas, 2018, 25, 082517.	0.7	16
122	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.	0.6	8
123	Towards a new image processing system at Wendelstein 7-X: From spatial calibration to characterization of thermal events. Review of Scientific Instruments, 2018, 89, 123503.	0.6	14
124	Effects of nitrogen seeding on core ion thermal transport in JET ILW L-mode plasmas. Nuclear Fusion, 2018, 58, 026028.	1.6	17
125	Assessment of the baseline scenario at $q \sim 3$ for ITER. Nuclear Fusion, 2018, 58, 126010.	1.6	26
126	Recent progress in fast-ion diagnostics for magnetically confined plasmas. Reviews of Modern Plasma Physics, 2018, 2, 1.	2.2	50



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127	Heat flux analysis of Type-I ELM impact on a sloped, protruding surface in the JET bulk tungsten divertor. Nuclear Materials and Energy, 2018, 17, 182-187.	0.6	3
128	Determination of 2D poloidal maps of the intrinsic W density for transport studies in JET-ILW. Review of Scientific Instruments, 2018, 89, 113501.	0.6	13
129	Velocity-space sensitivity and tomography of scintillator-based fast-ion loss detectors. Plasma Physics and Controlled Fusion, 2018, 60, 105005.	0.9	33
130	Neutron emission spectroscopy of D plasmas at JET with a compact liquid scintillating neutron spectrometer. Review of Scientific Instruments, 2018, 89, 10I113.	0.6	8
131	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
132	The upgraded JET gamma-ray cameras based on high resolution/high count rate compact spectrometers. Review of Scientific Instruments, 2018, 89, 10I116.	0.6	21
133	Instrumentation for the upgrade to the JET core charge-exchange spectrometers. Review of Scientific Instruments, 2018, 89, 10D113.	0.6	23
134	Propagating transport-code input parameter uncertainties with deterministic sampling. Plasma Physics and Controlled Fusion, 2018, 60, 125010.	0.9	0
135	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.	0.6	17
136	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.	0.9	12
137	Development of a new compact gamma-ray spectrometer optimised for runaway electron measurements. Review of Scientific Instruments, 2018, 89, 10I134.	0.6	12
138	Synthesis of Chiral 1,3-Dienes through Ring-Closing Metathesis of Enantioenriched Enynes: Potential Precursors of Morphane Analogs. Anais Da Academia Brasileira De Ciencias, 2018, 90, 1059-1072.	0.3	7
139	First principles of modelling the stabilization of microturbulence by fast ions. Nuclear Fusion, 2018, 58, 082024.	1.6	22
140	Inter-ELM evolution of the edge current density in JET-ILW type I ELMy H-mode plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 085003.	0.9	4
141	Impact of electron-scale turbulence and multi-scale interactions in the JET tokamak. Nuclear Fusion, 2018, 58, 124003.	1.6	23
142	Equilibrium reconstruction at JET using Stokes model for polarimetry. Nuclear Fusion, 2018, 58, 106032.	1.6	20
143	Generation of a plasma neutron source for Monte Carlo neutron transport calculations in the tokamak JET. Fusion Engineering and Design, 2018, 136, 1047-1051.	1.0	9
144	Shutdown dose rate neutronics experiment during high performances DD operations at JET. Fusion Engineering and Design, 2018, 136, 1545-1549.	1.0	5

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145	Magnetic configuration effects on the Wendelstein 7-X stellarator. <i>Nature Physics</i> , 2018, 14, 855-860.	6.5	110
146	Observation of enhanced ion particle transport in mixed H/D isotope plasmas on JET. <i>Nuclear Fusion</i> , 2018, 58, 076022.	1.6	20
147	Analysis of plasma termination in the JET hybrid scenario. <i>Nuclear Fusion</i> , 2018, 58, 076027.	1.6	9
148	Maximum likelihood bolometric tomography for the determination of the uncertainties in the radiation emission on JET TOKAMAK. <i>Review of Scientific Instruments</i> , 2018, 89, 053504.	0.6	25
149	Activation material selection for multiple foil activation detectors in JET TT campaign. <i>Fusion Engineering and Design</i> , 2018, 136, 988-992.	1.0	3
150	Preparation for commissioning of materials detritiation facility at Culham Science Centre. <i>Fusion Engineering and Design</i> , 2018, 136, 1391-1395.	1.0	5
151	Fast H isotope and impurity mixing in ion-temperature-gradient turbulence. <i>Nuclear Fusion</i> , 2018, 58, 076028.	1.6	33
152	W transport and accumulation control in the termination phase of JET H-mode discharges and implications for ITER. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 074008.	0.9	26
153	Neutral pathways and heat flux widths in vertical- and horizontal-target EDGE2D-EIRENE simulations of JET. <i>Nuclear Fusion</i> , 2018, 58, 096029.	1.6	19
154	Molecular ND Band Spectroscopy in the Divertor Region of Nitrogen Seeded JET Discharges. <i>Journal of Physics: Conference Series</i> , 2018, 959, 012009.	0.3	7
155	Review of recent experimental and modeling advances in the understanding of lower hybrid current drive in ITER-relevant regimes. <i>Nuclear Fusion</i> , 2018, 58, 095003.	1.6	16
156	TLD calibration for neutron fluence measurements at JET fusion facility. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 904, 202-213.	0.7	7
157	Activation of ITER materials in JET: nuclear characterisation experiments for the long-term irradiation station. <i>Nuclear Fusion</i> , 2018, 58, 096013.	1.6	17
158	Beam-Ion Acceleration during Edge Localized Modes in the ASDEX Upgrade Tokamak. <i>Physical Review Letters</i> , 2018, 121, 025002.	2.9	16
159	A First Analysis of JET Plasma Profile-Based Indicators for Disruption Prediction and Avoidance. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 2691-2698.	0.6	31
160	Correlation of surface chemical states with hydrogen isotope retention in divertor tiles of JET with ITER-Like Wall. <i>Fusion Engineering and Design</i> , 2018, 132, 24-28.	1.0	15
161	Integrated modelling of H-mode pedestal and confinement in JET-ILW. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 014042.	0.9	40
162	Observations of core ion cyclotron emission on ASDEX Upgrade tokamak. <i>Review of Scientific Instruments</i> , 2018, 89, 10J101.	0.6	35

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163	14 MeV calibration of JET neutron detectorsâ€”phase 2: in-vessel calibration. Nuclear Fusion, 2018, 58, 106016.	1.6	20
164	Real-time protection of the JET ITER-like wall based on near infrared imaging diagnostic systems. Nuclear Fusion, 2018, 58, 106021.	1.6	14
165	Electron acceleration in a JET disruption simulation. Nuclear Fusion, 2018, 58, 106022.	1.6	21
166	First measurements of a scintillator based fast-ion loss detector near the ASDEX Upgrade divertor. Review of Scientific Instruments, 2018, 89, 10I106.	0.6	12
167	Modelling of JET hybrid plasmas with emphasis on performance of combined ICRF and NBI heating. Nuclear Fusion, 2018, 58, 106037.	1.6	29
168	Observations and modelling of ion cyclotron emission observed in JET plasmas using a sub-harmonic arc detection system during ion cyclotron resonance heating. Nuclear Fusion, 2018, 58, 096020.	1.6	14
169	Scaling of the geodesic acoustic mode amplitude on JET. Plasma Physics and Controlled Fusion, 2018, 60, 085006.	0.9	5
170	First principle integrated modeling of multi-channel transport including Tungsten in JET. Nuclear Fusion, 2018, 58, 096003.	1.6	22
171	Alpha heating, isotopic mass, and fast ion effects in deuteriumâ€”tritium experiments. Nuclear Fusion, 2018, 58, 096011.	1.6	3
172	Thermal desorption spectrometry of beryllium plasma facing tiles exposed in the JET tokamak. Fusion Engineering and Design, 2018, 133, 135-141.	1.0	19
173	On the mechanisms governing gas penetration into a tokamak plasma during a massive gas injection. Nuclear Fusion, 2017, 57, 016027.	1.6	8
174	Calculations to support JET neutron yield calibration: Modelling of neutron emission from a compact DT neutron generator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 847, 199-204.	0.7	12
175	High power neon seeded JET discharges: Experiments and simulations. Nuclear Materials and Energy, 2017, 12, 882-886.	0.6	13
176	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
177	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.	0.6	14
178	Energy balance in JET. Nuclear Materials and Energy, 2017, 12, 227-233.	0.6	18
179	Possible influence of near SOL plasma on the H-mode power threshold. Nuclear Materials and Energy, 2017, 12, 273-277.	0.6	16
180	Progress in reducing ICRF-specific impurity release in ASDEX upgrade and JET. Nuclear Materials and Energy, 2017, 12, 1194-1198.	0.6	11

#	ARTICLE	IF	CITATIONS
181	Cyrokinetic 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
182	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
183	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
184	Plasma impact on diagnostic mirrors in JET. Nuclear Materials and Energy, 2017, 12, 506-512.	0.6	25
185	Hybrid cancellation of ripple disturbances arising in AC/DC converters. Automatica, 2017, 77, 344-352.	3.0	5
186	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
187	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
188	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.	0.7	5
189	Charge collection uniformity and irradiation effects of synthetic diamond detectors studied with a proton micro-beam. Nuclear Instruments & Methods in Physics Research B, 2017, 405, 1-10.	0.6	12
190	Recent progress in the quantitative validation of JOREK simulations of ELMs in JET. Nuclear Fusion, 2017, 57, 076006.	1.6	25
191	Hardware architecture of the data acquisition and processing system for the JET Neutron Camera Upgrade (NCU) project. Fusion Engineering and Design, 2017, 123, 873-876.	1.0	9
192	Major results from the first plasma campaign of the Wendelstein 7-X stellarator. Nuclear Fusion, 2017, 57, 102020.	1.6	128
193	Commissioning and first results of the reinstated JET ICRF ILA. Fusion Engineering and Design, 2017, 123, 285-288.	1.0	7
194	Plasma edge and plasma-wall interaction modelling: Lessons learned from metallic devices. Nuclear Materials and Energy, 2017, 12, 3-17.	0.6	17
195	Impact of the JET ITER-like wall on H-mode plasma fueling. Nuclear Fusion, 2017, 57, 066024.	1.6	6
196	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	6.5	73
197	Correlation analysis for energy losses, waiting times and durations of type I edge-localized modes in the Joint European Torus. Nuclear Fusion, 2017, 57, 036026.	1.6	3
198	Thermal analysis of protruding surfaces in the JET divertor. Nuclear Fusion, 2017, 57, 066009.	1.6	1

#	ARTICLE	IF	CITATIONS
199	Ion cyclotron resonance heating for tungsten control in various JET H-mode scenarios. Plasma Physics and Controlled Fusion, 2017, 59, 055001.	0.9	32
200	Classification of ELM types in Joint European Torus based on global plasma parameters using discriminant analysis. Fusion Engineering and Design, 2017, 123, 717-721.	1.0	1
201	Upgrade of the tangential gamma-ray spectrometer beam-line for JET DT experiments. Fusion Engineering and Design, 2017, 123, 749-753.	1.0	11
202	Simulation of neutral gas flow in the JET sub-divertor. Fusion Engineering and Design, 2017, 121, 13-21.	1.0	20
203	Temperature response of several scintillator materials to light ions. Nuclear Instruments & Methods in Physics Research B, 2017, 403, 7-12.	0.6	13
204	Calculation of the profile-dependent neutron backscatter matrix for the JET neutron camera system. Fusion Engineering and Design, 2017, 123, 865-868.	1.0	4
205	The effect of the isotope on the H-mode density limit. Nuclear Fusion, 2017, 57, 086007.	1.6	9
206	The emissivity of W coatings deposited on carbon materials for fusion applications. Fusion Engineering and Design, 2017, 114, 192-195.	1.0	9
207	Micro-/nano-characterization of the surface structures on the divertor tiles from JET ITER-like wall. Fusion Engineering and Design, 2017, 116, 1-4.	1.0	14
208	Technical preparations for the in-vessel 14 MeV neutron calibration at JET. Fusion Engineering and Design, 2017, 117, 107-114.	1.0	10
209	The preparation of the Shutdown Dose Rate experiment for the next JET Deuterium-Tritium campaign. Fusion Engineering and Design, 2017, 123, 1039-1043.	1.0	7
210	Status of ITER material activation experiments at JET. Fusion Engineering and Design, 2017, 124, 1150-1155.	1.0	10
211	CeBr <sub>3</sub> -based detector for gamma-ray spectrometer upgrade at JET. Fusion Engineering and Design, 2017, 123, 986-989.	1.0	4
212	Expanding the role of impurity spectroscopy for investigating the physics of high-Z dissipative divertors. Nuclear Materials and Energy, 2017, 12, 91-99.	0.6	7
213	Overview of the JET ITER-like wall divertor. Nuclear Materials and Energy, 2017, 12, 499-505.	0.6	46
214	Power exhaust by SOL and pedestal radiation at ASDEX Upgrade and JET. Nuclear Materials and Energy, 2017, 12, 111-118.	0.6	92
215	Main chamber wall plasma loads in JET-ITER-like wall at high radiated fraction. Nuclear Materials and Energy, 2017, 12, 234-240.	0.6	7
216	Structure, tritium depth profile and desorption from plasma-facing beryllium materials of ITER-Like-Wall at JET. Nuclear Materials and Energy, 2017, 12, 642-647.	0.6	14

#	ARTICLE	IF	CITATIONS
217	3D simulations of gas puff effects on edge plasma and ICRF coupling in JET. Nuclear Fusion, 2017, 57, 056042.	1.6	14
218	Determining the prediction limits of models and classifiers with applications for disruption prediction in JET. Nuclear Fusion, 2017, 57, 016024.	1.6	4
219	Comparative H-mode density limit studies in JET and AUG. Nuclear Materials and Energy, 2017, 12, 100-110.	0.6	13
220	The effect of lower hybrid waves on JET plasma rotation. Nuclear Fusion, 2017, 57, 034002.	1.6	6
221	Deep learning for plasma tomography using the bolometer system at JET. Fusion Engineering and Design, 2017, 114, 18-25.	1.0	34
222	Be ITER-like wall at the JET tokamak under plasma. Physica Scripta, 2017, T170, 014049.	1.2	4
223	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
224	Fuel inventory and deposition in castellated structures in JET-ILW. Nuclear Fusion, 2017, 57, 066027.	1.6	25
225	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
226	A tool to support the construction of reliable disruption databases. Fusion Engineering and Design, 2017, 125, 139-153.	1.0	12
227	Long-term fuel retention and release in JET ITER-Like Wall at ITER-relevant baking temperatures. Nuclear Fusion, 2017, 57, 086024.	1.6	25
228	On efficiency and interpretation of sawteeth pacing with on-axis ICRH modulation in JET. Nuclear Fusion, 2017, 57, 126057.	1.6	10
229	Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution <sup>a</sup> . Nuclear Fusion, 2017, 57, 102014.	1.6	23
230	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.	0.9	2
231	Transient induced tungsten melting at the Joint European Torus (JET). Physica Scripta, 2017, T170, 014013.	1.2	20
232	Evaluation of the plasma hydrogen isotope content by residual gas analysis at JET and AUG. Physica Scripta, 2017, T170, 014021.	1.2	6
233	Numerical analysis of ELM stability with rotation and ion diamagnetic drift effects in JET. Nuclear Fusion, 2017, 57, 126001.	1.6	11
234	Simulation of JET ITER-Like Wall pulses at high neon seeding rate. Nuclear Fusion, 2017, 57, 126021.	1.6	10

#	ARTICLE	IF	CITATIONS
235	First absolute measurements of fast-ion losses in the ASDEX Upgrade tokamak. Plasma Physics and Controlled Fusion, 2017, 59, 105009.	0.9	12
236	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
237	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
238	Investigation and plasma cleaning of first mirrors coated with relevant ITER contaminants: beryllium and tungsten. Nuclear Fusion, 2017, 57, 086019.	1.6	17
239	The global build-up to intrinsic ELM bursts and comparison with pellet triggered ELMs seen in JET. Nuclear Fusion, 2017, 57, 022017.	1.6	3
240	Dynamics and stability of divertor detachment in H-mode plasmas on JET. Plasma Physics and Controlled Fusion, 2017, 59, 095003.	0.9	34
241	A 3D electromagnetic model of the iron core in JET. Fusion Engineering and Design, 2017, 123, 527-531.	1.0	3
242	Quartz micro-balance results of pulse-resolved erosion/deposition in the JET-ILW divertor. Nuclear Materials and Energy, 2017, 12, 478-482.	0.6	6
243	The isotope effect on divertor conditions and neutral pumping in horizontal divertor configurations in JET-ILW Ohmic plasmas. Nuclear Materials and Energy, 2017, 12, 791-797.	0.6	10
244	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
245	Surface composition and structure of divertor tiles following the JET tokamak operation with the ITER-like wall. Nuclear Fusion, 2017, 57, 076027.	1.6	13
246	Development of MPPC-based detectors for high count rate DT campaigns at JET. Fusion Engineering and Design, 2017, 123, 940-944.	1.0	5
247	Real time control developments at JET in preparation for deuterium-tritium operation. Fusion Engineering and Design, 2017, 123, 535-540.	1.0	7
248	Erosion at the inner wall of JET during the discharge campaign 2013-2014. Nuclear Materials and Energy, 2017, 11, 20-24.	0.6	12
249	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	1.6	150
250	Response of the imaging cameras to hard radiation during JET operation. Fusion Engineering and Design, 2017, 123, 669-673.	1.0	9
251	Dynamic and thermal simulations of a fast-ion loss detector for ITER. Fusion Engineering and Design, 2017, 123, 807-810.	1.0	3
252	Deuterium retention in the divertor tiles of JET ITER-Like wall. Nuclear Materials and Energy, 2017, 12, 655-661.	0.6	13



#	ARTICLE	IF	CITATIONS
253	Gyrokinetic simulations of particle transport in pellet fuelled JET discharges. Plasma Physics and Controlled Fusion, 2017, 59, 105005.	0.9	2
254	Sawtooth pacing with on-axis ICRH modulation in JET-ILW. Nuclear Fusion, 2017, 57, 036027.	1.6	23
255	Impact of divertor geometry on H-mode confinement in the JET metallic wall. Nuclear Fusion, 2017, 57, 086025.	1.6	24
256	Overview of fuel inventory in JET with the ITER-like wall. Nuclear Fusion, 2017, 57, 086045.	1.6	47
257	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
258	Phase-space resolved measurement of 2nd harmonic ion cyclotron heating using FIDA tomography at the ASDEX Upgrade tokamak. Nuclear Fusion, 2017, 57, 116058.	1.6	40
259	Analysis of activation and damage of ITER material samples expected from DD/DT campaign at JET. Fusion Engineering and Design, 2017, 125, 307-313.	1.0	6
260	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.	0.6	3
261	Assessment of divertor heat load with and without external magnetic perturbation. Nuclear Fusion, 2017, 57, 066045.	1.6	12
262	Intra-ELM tungsten sputtering in JET ITER-like wall: analytical studies of Be impurity and ELM type influence. Physica Scripta, 2017, T170, 014065.	1.2	3
263	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
264	Impurity re-distribution in the corner regions of the JET divertor. Physica Scripta, 2017, T170, 014060.	1.2	6
265	Experience on divertor fuel retention after two ITER-Like Wall campaigns. Physica Scripta, 2017, T170, 014063.	1.2	26
266	The near infrared imaging system for the real-time protection of the JET ITER-like wall. Physica Scripta, 2017, T170, 014027.	1.2	8
267	Activation measurements in support of the 14 MeV neutron calibration of JET neutron monitors. Fusion Engineering and Design, 2017, 125, 50-56.	1.0	11
268	MeV-range velocity-space tomography from gamma-ray and neutron emission spectrometry measurements at JET. Nuclear Fusion, 2017, 57, 056001.	1.6	52
269	Characterization of a compact $\text{LaBr}_3(\text{Ce})$ detector with Silicon photomultipliers at high 14 MeV neutron fluxes. Journal of Instrumentation, 2017, 12, C10007-C10007.	0.5	8
270	Fine metal dust particles on the wall probes from JET-ILW. Physica Scripta, 2017, T170, 014038.	1.2	22



#	ARTICLE	IF	CITATIONS
271	Statistical validation of predictive TRANSP simulations of baseline discharges in preparation for extrapolation to JET D <sup>2</sup> T. Nuclear Fusion, 2017, 57, 066032.	1.6	11
272	An analytical expression for ion velocities at the wall including the sheath electric field and surface biasing for erosion modeling at JET ILW. Nuclear Materials and Energy, 2017, 12, 341-345.	0.6	10
273	Recent progress towards a quantitative description of filamentary SOL transport. Nuclear Fusion, 2017, 57, 056044.	1.6	56
274	Overview of ASDEX Upgrade results. Nuclear Fusion, 2017, 57, 102015.	1.6	53
275	Axisymmetric oscillations at H transitions in JET: M-mode. Nuclear Fusion, 2017, 57, 022021.	1.6	29
276	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
277	Impact of toroidal and poloidal mode spectra on the control of non-axisymmetric fields in tokamaks. Physics of Plasmas, 2017, 24, .	0.7	19
278	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
279	Synthetic neutron camera and spectrometer in JET based on AFSI-ASCOT simulations. Journal of Instrumentation, 2017, 12, C09010-C09010.	0.5	7
280	The impact of the fast ion fluxes and thermal plasma loads on the design of the ITER fast ion loss detector. Journal of Instrumentation, 2017, 12, C12027-C12027.	0.5	1
281	Physics and operation oriented activities in preparation of the JT-60SA tokamak exploitation. Nuclear Fusion, 2017, 57, 085001.	1.6	20
282	Axisymmetric global Alfvén eigenmodes within the ellipticity-induced frequency gap in the Joint European Torus. Physics of Plasmas, 2017, 24, .	0.7	16
283	Metallic mirrors for plasma diagnosis in current and future reactors: tests for ITER and DEMO. Physica Scripta, 2017, T170, 014061.	1.2	12
284	First ERO2.0 modeling of Be erosion and non-local transport in JET ITER-like wall. Physica Scripta, 2017, T170, 014018.	1.2	27
285	Analyses of microstructure, composition and retention of hydrogen isotopes in divertor tiles of JET with the ITER-like wall. Physica Scripta, 2017, T170, 014031.	1.2	13
286	Mitigation of divertor heat loads by strike point sweeping in high power JET discharges. Physica Scripta, 2017, T170, 014040.	1.2	19
287	Dynamic power balance analysis in JET. Physica Scripta, 2017, T170, 014035.	1.2	2
288	Bayesian electron density inference from JET lithium beam emission spectra using Gaussian processes. Nuclear Fusion, 2017, 57, 036017.	1.6	16

#	ARTICLE	IF	CITATIONS
289	Synthetic NPA diagnostic for energetic particles in JET plasmas. Journal of Instrumentation, 2017, 12, C11025-C11025.	0.5	4
290	Comparison of JET AVDE disruption data with M3D simulations and implications for ITER. Physics of Plasmas, 2017, 24, .	0.7	11
291	Erosion and deposition in the JET divertor during the second ITER-like wall campaign. Physica Scripta, 2017, T170, 014058.	1.2	27
292	Detection of Causal Relations in Time Series Affected by Noise in Tokamaks Using Geodesic Distance on Gaussian Manifolds. Entropy, 2017, 19, 569.	1.1	7
293	Conceptual design of a scintillator based Imaging Heavy Ion Beam Probe for the ASDEX Upgrade tokamak. Journal of Instrumentation, 2017, 12, C08023-C08023.	0.5	9
294	Calibration of neutron detectors on the Joint European Torus. Review of Scientific Instruments, 2017, 88, 103505.	0.6	17
295	Self-consistent coupling of DSMC method and SOLPS code for modeling tokamak particle exhaust. Nuclear Fusion, 2017, 57, 066037.	1.6	6
296	Gyrokinetic modeling of impurity peaking in JET H-mode plasmas. Physics of Plasmas, 2017, 24, .	0.7	13
297	Tritium analysis of divertor tiles used in JET ITER-like wall campaigns by means of $\hat{I}^2$ x-ray induced x-ray spectrometry. Physica Scripta, 2017, T170, 014014.	1.2	6
298	Time-resolved deposition in the remote region of the JET-ILW divertor: measurements and modelling. Physica Scripta, 2017, T170, 014059.	1.2	6
299	The "neutron deficit"™ in the JET tokamak. Nuclear Fusion, 2017, 57, 076029.	1.6	25
300	An FPGA-based bolometer for the MAST-U Super-X divertor. Review of Scientific Instruments, 2016, 87, 11E721.	0.6	10
301	Study of the triton-burnup process in different JET scenarios using neutron monitor based on CVD diamond. Review of Scientific Instruments, 2016, 87, 11D835.	0.6	9
302	Edge profile analysis of Joint European Torus (JET) Thomson scattering data: Quantifying the systematic error due to edge localised mode synchronisation. Review of Scientific Instruments, 2016, 87, 013507.	0.6	7
303	Bayesian modelling of the emission spectrum of the Joint European Torus Lithium Beam Emission Spectroscopy system. Review of Scientific Instruments, 2016, 87, 023501.	0.6	10
304	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
305	Simulating the nitrogen migration in Be/W tokamaks with WallDYN. Physica Scripta, 2016, T167, 014079.	1.2	6
306	Classification of JET Neutron and Gamma Emissivity Profiles. Journal of Instrumentation, 2016, 11, C05021-C05021.	0.5	0

#	ARTICLE	IF	CITATIONS
307	Upgrades of Diagnostic Techniques and Technologies for JET Next D-T Campaigns. IEEE Transactions on Nuclear Science, 2016, 63, 1674-1681.	1.2	7
308	Core fusion power gain and alpha heating in JET, TFTR, and ITER. Nuclear Fusion, 2016, 56, 056002.	1.6	5
309	Plasma confinement at JET. Plasma Physics and Controlled Fusion, 2016, 58, 014034.	0.9	28
310	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
311	Comparative gyrokinetic analysis of JET baseline H-mode core plasmas with carbon wall and ITER-like wall. Plasma Physics and Controlled Fusion, 2016, 58, 045021.	0.9	3
312	An Analytical Expression for the Electric Field and Particle Tracing in Modelling of Be Erosion Experiments at the JET ITER-like Wall. Contributions To Plasma Physics, 2016, 56, 640-645.	0.5	26
313	High performance detectors for upgraded gamma ray diagnostics for JET DT campaigns. Physica Scripta, 2016, 91, 064003.	1.2	18
314	A fast feedback controlled magnetic drive for the ASDEX Upgrade fast-ion loss detectors. Review of Scientific Instruments, 2016, 87, 11E705.	0.6	8
315	ITER-like antenna capacitors voltage probes: Circuit/electromagnetic calculations and calibrations. Review of Scientific Instruments, 2016, 87, 104705.	0.6	6
316	First neutron spectroscopy measurements with a pixelated diamond detector at JET. Review of Scientific Instruments, 2016, 87, 11D833.	0.6	42
317	Gyrokinetic study of turbulence suppression in a JET-ILW power scan. Plasma Physics and Controlled Fusion, 2016, 58, 115005.	0.9	22
318	MHD marking using the MSE polarimeter optics in ILW JET plasmas. Review of Scientific Instruments, 2016, 87, 11E556.	0.6	0
319	Ion temperature and toroidal rotation in JET's low torque plasmas. Review of Scientific Instruments, 2016, 87, 11E557.	0.6	2
320	Benchmarking the GENE and GYRO codes through the relative roles of electromagnetic and $E \times B$ stabilization in JET high-performance discharges. Plasma Physics and Controlled Fusion, 2016, 58, 125018.	0.9	17
321	Confirmation of the topology of the Wendelstein 7-X magnetic field to better than 1:100,000. Nature Communications, 2016, 7, 13493.	5.8	85
322	Deep deuterium retention and Be/W mixing at tungsten coated surfaces in the JET divertor. Physica Scripta, 2016, T167, 014061.	1.2	14
323	JET diagnostic enhancements in preparation for DT operations. Review of Scientific Instruments, 2016, 87, 11D443.	0.6	9
324	Melt damage to the JET ITER-like Wall and divertor. Physica Scripta, 2016, T167, 014070.	1.2	58

#	ARTICLE	IF	CITATIONS
325	Conceptual design of the ITER fast-ion loss detector. <i>Review of Scientific Instruments</i> , 2016, 87, 11D829.	0.6	16
326	Comparison of dust transport modelling codes in a tokamak plasma. <i>Physics of Plasmas</i> , 2016, 23, 102506.	0.7	7
327	Performance of the prototype LaBr <sub>3</sub> spectrometer developed for the JET gamma-ray camera upgrade. <i>Review of Scientific Instruments</i> , 2016, 87, 11E717.	0.6	24
328	Gamma-ray spectroscopy at MHz counting rates with a compact LaBr <sub>3</sub> detector and silicon photomultipliers for fusion plasma applications. <i>Review of Scientific Instruments</i> , 2016, 87, 11E714.	0.6	31
329	Neutron emission spectroscopy of DT plasmas at enhanced energy resolution with diamond detectors. <i>Review of Scientific Instruments</i> , 2016, 87, 11D822.	0.6	22
330	Response function of single crystal synthetic diamond detectors to 1-4 MeV neutrons for spectroscopy of D plasmas. <i>Review of Scientific Instruments</i> , 2016, 87, 11D823.	0.6	18
331	A classification scheme for edge-localized modes based on their probability distributions. <i>Review of Scientific Instruments</i> , 2016, 87, 11D404.	0.6	3
332	Collective Thomson scattering measurements of fast-ion transport due to sawtooth crashes in ASDEX Upgrade. <i>Nuclear Fusion</i> , 2016, 56, 112014.	1.6	23
333	How to assess the efficiency of synchronization experiments in tokamaks. <i>Nuclear Fusion</i> , 2016, 56, 076008.	1.6	14
334	Scaling of the frequencies of the type one edge localized modes and their effect on the tungsten source in JET ITER-like wall. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 125014.	0.9	4
335	Extending helium partial pressure measurement technology to JET DTE2 and ITER. <i>Review of Scientific Instruments</i> , 2016, 87, 11D442.	0.6	10
336	Numerical calculations of non-inductive current driven by microwaves in JET. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 125001.	0.9	3
337	Experimental investigation of geodesic acoustic modes on JET using Doppler backscattering. <i>Nuclear Fusion</i> , 2016, 56, 106026.	1.6	24
338	Technological exploitation of Deuterium–Tritium operations at JET in support of ITER design, operation and safety. <i>Fusion Engineering and Design</i> , 2016, 109-111, 278-285.	1.0	26
339	JET Tokamak, preparation of a safety case for tritium operations. <i>Fusion Engineering and Design</i> , 2016, 109-111, 1308-1312.	1.0	3
340	Nitrogen retention mechanisms in tokamaks with beryllium and tungsten plasma-facing surfaces. <i>Physica Scripta</i> , 2016, T167, 014077.	1.2	18
341	Neutronic analysis of JET external neutron monitor response. <i>Fusion Engineering and Design</i> , 2016, 109-111, 99-103.	1.0	5
342	Advanced design of the Mechanical Tritium Pumping System for JET DTE2. <i>Fusion Engineering and Design</i> , 2016, 109-111, 359-364.	1.0	10

#	ARTICLE	IF	CITATIONS
343	The non-thermal origin of the tokamak low-density stability limit. Nuclear Fusion, 2016, 56, 056010.	1.6	5
344	Diagnostic application of magnetic islands rotation in JET. Nuclear Fusion, 2016, 56, 076004.	1.6	12
345	Kinematic background discrimination methods using a fully digital data acquisition system for TOFOR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 838, 82-88.	0.7	3
346	Asymmetric toroidal eddy currents (ATEC) to explain sideways forces at JET. Nuclear Fusion, 2016, 56, 106010.	1.6	23
347	A prototype fully digital data acquisition system upgrade for the TOFOR neutron spectrometer at JET. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 833, 94-104.	0.7	4
348	Sparse representation of signals: from astrophysics to real-time data analysis for fusion plasmas and system optimization analysis for ITER and TCV. Plasma Physics and Controlled Fusion, 2016, 58, 123001.	0.9	6
349	The role of MHD in causing impurity peaking in JET hybrid plasmas. Nuclear Fusion, 2016, 56, 066002.	1.6	37
350	Impact of divertor geometry on radiative divertor performance in JET H-mode plasmas. Plasma Physics and Controlled Fusion, 2016, 58, 045011.	0.9	25
351	Stationary Zonal Flows during the Formation of the Edge Transport Barrier in the JET Tokamak. Physical Review Letters, 2016, 116, 065002.	2.9	64
352	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
353	Fast-ion energy resolution by one-step reaction gamma-ray spectrometry. Nuclear Fusion, 2016, 56, 046009.	1.6	31
354	Plasma turbulence measured with fast frequency swept reflectometry in JET H-mode plasmas. Nuclear Fusion, 2016, 56, 126019.	1.6	5
355	Characteristics of pre-ELM structures during ELM control experiment on JET with $n=2$ magnetic perturbations. Nuclear Fusion, 2016, 56, 092011.	1.6	0
356	Evaluation of reconstruction errors and identification of artefacts for JET gamma and neutron tomography. Review of Scientific Instruments, 2016, 87, 013502.	0.6	6
357	A generalized Abel inversion method for gamma-ray imaging of thermonuclear plasmas. Journal of Instrumentation, 2016, 11, C03001-C03001.	0.5	2
358	Electron cyclotron heating can drastically alter reversed shear Alfvén eigenmode activity in DIII-D through finite pressure effects. Nuclear Fusion, 2016, 56, 112007.	1.6	47
359	COREDIV and SOLPS Numerical Simulations of the Nitrogen Seeded JET ILW L-mode Discharges. Contributions To Plasma Physics, 2016, 56, 760-765.	0.5	6
360	Modelling of the JET DT Experiments in Carbon and ITER-like Wall Configurations. Contributions To Plasma Physics, 2016, 56, 766-771.	0.5	3

#	ARTICLE	IF	CITATIONS
361	Effect of PFC Recycling Conditions on JET Pedestal Density. Contributions To Plasma Physics, 2016, 56, 754-759.	0.5	6
362	Experience of handling beryllium, tritium and activated components from JET ITER like wall. Physica Scripta, 2016, T167, 014057.	1.2	18
363	Stabilization of sawteeth with third harmonic deuterium ICRF-accelerated beam in JET plasmas. Physics of Plasmas, 2016, 23, 012505.	0.7	4
364	Tritium distributions on tungsten and carbon tiles used in the JET divertor. Physica Scripta, 2016, T167, 014009.	1.2	10
365	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
366	Thermo-mechanical properties of W/Mo markers coatings deposited on bulk W. Physica Scripta, 2016, T167, 014028.	1.2	2
367	In situ wavelength calibration of the edge CXS spectrometers on JET. Review of Scientific Instruments, 2016, 87, 11E525.	0.6	10
368	Global optimization driven by genetic algorithms for disruption predictors based on APODIS architecture. Fusion Engineering and Design, 2016, 112, 1014-1018.	1.0	6
369	Characterization of a diamond detector to be used as neutron yield monitor during the in-vessel calibration of JET neutron detectors in preparation of the DT experiment. Fusion Engineering and Design, 2016, 106, 93-98.	1.0	8
370	Neutronics experiments and analyses in preparation of DT operations at JET. Fusion Engineering and Design, 2016, 109-111, 895-905.	1.0	19
371	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
372	Non-linear MHD simulations of ELMs in JET and quantitative comparisons to experiments. Plasma Physics and Controlled Fusion, 2016, 58, 014026.	0.9	20
373	Deuterium trapping and release in JET ITER-like wall divertor tiles. Physica Scripta, 2016, T167, 014074.	1.2	20
374	X-ray micro-laminography for the <i>ex situ</i> analysis of W-CFC samples retrieved from JET ITER-like wall. Physica Scripta, 2016, T167, 014050.	1.2	1
375	Erosion and deposition in the JET divertor during the first ILW campaign. Physica Scripta, 2016, T167, 014051.	1.2	58
376	Core turbulent transport in tokamak plasmas: bridging theory and experiment with QuaLiKiz. Plasma Physics and Controlled Fusion, 2016, 58, 014036.	0.9	81
377	Real-time control of ELM and sawtooth frequencies: similarities and differences. Nuclear Fusion, 2016, 56, 016008.	1.6	7
378	Studies of Be migration in the JET tokamak using AMS with <sup>10</sup> Be marker. Nuclear Instruments & Methods in Physics Research B, 2016, 371, 370-375.	0.6	12

#	ARTICLE	IF	CITATIONS
379	JET experiments with tritium and deuteriumâ€“tritium mixtures. Fusion Engineering and Design, 2016, 109-111, 925-936.	1.0	19
380	Deposition in the inner and outer corners of the JET divertor with carbon wall and metallic ITER-like wall. Physica Scripta, 2016, T167, 014052.	1.2	14
381	JET experience on managing radioactive waste and implications for ITER. Fusion Engineering and Design, 2016, 109-111, 979-985.	1.0	7
382	Radiation damage and nuclear heating studies in selected functional materials during the JET DT campaign. Fusion Engineering and Design, 2016, 109-111, 1011-1015.	1.0	13
383	Modelling of plasma-edge and plasmaâ€“wall interaction physics at JET with the metallic first-wall. Physica Scripta, 2016, T167, 014078.	1.2	2
384	Long-term fuel retention in JET ITER-like wall. Physica Scripta, 2016, T167, 014075.	1.2	52
385	Investigation on the erosion/deposition processes in the ITER-like wall divertor at JET using glow discharge optical emission spectrometry technique. Physica Scripta, 2016, T167, 014049.	1.2	6
386	Advances in understanding and utilising ELM control in JET. Plasma Physics and Controlled Fusion, 2016, 58, 014017.	0.9	7
387	Understanding the physics of ELM pacing via vertical kicks in JET in view of ITER. Nuclear Fusion, 2016, 56, 026001.	1.6	36
388	Scaling of the MHD perturbation amplitude required to trigger a disruption and predictions for ITER. Nuclear Fusion, 2016, 56, 026007.	1.6	51
389	Application of transfer entropy to causality detection and synchronization experiments in tokamaks. Nuclear Fusion, 2016, 56, 026006.	1.6	18
390	Raman microscopy investigation of beryllium materials. Physica Scripta, 2016, T167, 014027.	1.2	14
391	Risk Mitigation for ITER by a Prolonged and Joint International Operation of JET. Journal of Fusion Energy, 2016, 35, 85-93.	0.5	4
392	On determining the prediction limits of mathematical models for time series. Journal of Instrumentation, 2016, 11, C07013-C07013.	0.5	1
393	The merits of ion cyclotron resonance heating schemes for sawtooth control in tokamak plasmas. Journal of Plasma Physics, 2015, 81, .	0.7	5
394	Experimental Validation of a Filament Transport Model in Turbulent Magnetized Plasmas. Physical Review Letters, 2015, 115, 215002.	2.9	89
395	Inferring divertor plasma properties from hydrogen Balmer and Paschen series spectroscopy in JET-ILW. Nuclear Fusion, 2015, 55, 123028.	1.6	40
396	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



#	ARTICLE	IF	CITATIONS
397	Three-dimensional non-linear magnetohydrodynamic modeling of massive gas injection triggered disruptions in JET. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	45
398	Robust regression with CUDA and its application to plasma reflectometry. <i>Review of Scientific Instruments</i> , 2015, 86, 113507.	0.6	3
399	The global build-up to intrinsic edge localized mode bursts seen in divertor full flux loops in JET. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	4
400	WEST Physics Basis. <i>Nuclear Fusion</i> , 2015, 55, 063017.	1.6	82
401	Runaway electron beam generation and mitigation during disruptions at JET-ILW. <i>Nuclear Fusion</i> , 2015, 55, 093013.	1.6	58
402	Discriminating the trapped electron modes contribution in density fluctuation spectra. <i>Nuclear Fusion</i> , 2015, 55, 093021.	1.6	33
403	Trapped electron mode driven electron heat transport in JET: experimental investigation and gyro-kinetic theory validation. <i>Nuclear Fusion</i> , 2015, 55, 113016.	1.6	12
404	Pedestal confinement and stability in JET-ILW ELMy H-modes. <i>Nuclear Fusion</i> , 2015, 55, 113031.	1.6	82
405	First dust study in JET with the ITER-like wall: sampling, analysis and classification. <i>Nuclear Fusion</i> , 2015, 55, 113033.	1.6	51
406	Radiation asymmetries during the thermal quench of massive gas injection disruptions in JET. <i>Nuclear Fusion</i> , 2015, 55, 123027.	1.6	21
407	L to H mode transition: parametric dependencies of the temperature threshold. <i>Nuclear Fusion</i> , 2015, 55, 073015.	1.6	18
408	Toroidal modelling of resonant magnetic perturbations response in ASDEX-Upgrade: coupling between field pitch aligned response and kink amplification. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 095008.	0.9	40
409	Transport analysis and modelling of the evolution of hollow density profiles plasmas in JET and implication for ITER. <i>Nuclear Fusion</i> , 2015, 55, 123001.	1.6	33
410	JET and COMPASS asymmetrical disruptions. <i>Nuclear Fusion</i> , 2015, 55, 113006.	1.6	40
411	Dual sightline measurements of MeV range deuterons with neutron and gamma-ray spectroscopy at JET. <i>Nuclear Fusion</i> , 2015, 55, 123026.	1.6	60
412	Conceptual Design of the Mechanical Tritium Pumping System for JET DTE2. <i>Fusion Science and Technology</i> , 2015, 68, 630-634.	0.6	4
413	Studies of the non-axisymmetric plasma boundary displacement in JET in presence of externally applied magnetic field. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 104003.	0.9	2
414	Overview of the JET results. <i>Nuclear Fusion</i> , 2015, 55, 104001.	1.6	50



#	ARTICLE	IF	CITATIONS
415	Quantification of the impact of large and small-scale instabilities on the fast-ion confinement in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2015, 57, 014018.	0.9	15
416	On the interpretation of high-resolution x-ray spectra from JET with an ITER-like wall. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144028.	0.6	11
417	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
418	Free boundary equilibrium in 3D tokamaks with toroidal rotation. Nuclear Fusion, 2015, 55, 063032.	1.6	3
419	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
420	Beryllium migration in JET ITER-like wall plasmas. Nuclear Fusion, 2015, 55, 063021.	1.6	83
421	Influence of externally applied magnetic perturbations on neoclassical tearing modes at ASDEX Upgrade. Nuclear Fusion, 2015, 55, 013018.	1.6	26
422	Turbulent transport analysis of JET H-mode and hybrid plasmas using QualiKiz and Trapped Gyro Landau Fluid. Plasma Physics and Controlled Fusion, 2015, 57, 035003.	0.9	7
423	WALLDYN simulations of global impurity migration in JET and extrapolations to ITER. Nuclear Fusion, 2015, 55, 053015.	1.6	67
424	Plasma isotopic changeover experiments in JET under carbon and ITER-like wall conditions. Nuclear Fusion, 2015, 55, 043021.	1.6	8
425	Benchmark experiments on neutron streaming through JET Torus Hall penetrations. Nuclear Fusion, 2015, 55, 053028.	1.6	29
426	Comparative analysis of core heat transport of JET high density H-mode plasmas in carbon wall and ITER-like wall. Plasma Physics and Controlled Fusion, 2015, 57, 065002.	0.9	6
427	Integrated core "SOL" divertor modelling for ITER including impurity: effect of tungsten on fusion performance in H-mode and hybrid scenario. Nuclear Fusion, 2015, 55, 053032.	1.6	6
428	Recent ASDEX Upgrade research in support of ITER and DEMO. Nuclear Fusion, 2015, 55, 104010.	1.6	16
429	Improved confinement in JET high- $\beta^2$ plasmas with an ITER-like wall. Nuclear Fusion, 2015, 55, 053031.	1.6	79
430	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
431	Physics of Plasmas, 2015, 22, 056115.	0.7	37
432	Influence of the E $\times$ B drift in high recycling divertors on target asymmetries. Plasma Physics and Controlled Fusion, 2015, 57, 095002.	0.9	56

#	ARTICLE	IF	CITATIONS
433	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
434	Cell Assembly Signatures Defined by Short-Term Synaptic Plasticity in Cortical Networks. International Journal of Neural Systems, 2015, 25, 1550026.	3.2	30
435	Fast ion transport during applied 3D magnetic perturbations on DIII-D. Nuclear Fusion, 2015, 55, 073028.	1.6	42
436	Experimental evaluation of stable long term operation of semiconductor magnetic sensors at ITER relevant environment. Nuclear Fusion, 2015, 55, 083006.	1.6	21
437	Fusion alpha-particle diagnostics for DT experiments on the joint European torus. AIP Conference Proceedings, 2014, , .	0.3	10
438	Fast-ion transport in the presence of magnetic reconnection induced by sawtooth oscillations in ASDEX Upgrade. Nuclear Fusion, 2014, 54, 022005.	1.6	25
439	Measurement of a 2D fast-ion velocity distribution function by tomographic inversion of fast-ion D-alpha spectra. Nuclear Fusion, 2014, 54, 023005.	1.6	62
440	Characterization of scintillator materials for fast-ion loss detectors in nuclear fusion reactors. Nuclear Instruments & Methods in Physics Research B, 2014, 332, 216-219.	0.6	11
441	Modulation of prompt fast-ion loss by applied $n = 2$ fields in the DIII-D tokamak. Plasma Physics and Controlled Fusion, 2014, 56, 015009.	0.9	36
442	Bernstein polynomial and discontinuous functions. Journal of Mathematical Analysis and Applications, 2014, 411, 829-837.	0.5	5
443	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	1.6	70
444	Fast-ion redistribution and loss due to edge perturbations in the ASDEX Upgrade, DIII-D and KSTAR tokamaks. Nuclear Fusion, 2013, 53, 123008.	1.6	47
445	Overview of ASDEX Upgrade results. Nuclear Fusion, 2013, 53, 104003.	1.6	36
446	Multi-mode Alfvénic fast particle transport and losses: numerical versus experimental observation. Nuclear Fusion, 2013, 53, 123003.	1.6	18
447	Combination of fast-ion diagnostics in velocity-space tomographies. Nuclear Fusion, 2013, 53, 063019.	1.6	45
448	Multi-view fast-ion D-alpha spectroscopy diagnostic at ASDEX Upgrade. Review of Scientific Instruments, 2013, 84, 113502.	0.6	30
449	Fast-ion losses induced by ELMs and externally applied magnetic perturbations in the ASDEX Upgrade tokamak. Plasma Physics and Controlled Fusion, 2013, 55, 124014.	0.9	65
450	Energetic particle instabilities in fusion plasmas. Nuclear Fusion, 2013, 53, 104022.	1.6	79

#	ARTICLE	IF	CITATIONS
451	Beam ion losses due to energetic particle geodesic acoustic modes. Nuclear Fusion, 2012, 52, 123015.	1.6	18
452	Characterization of Alfvén eigenmodes using NBI during current ramp-up in the ASDEX Upgrade tokamak. Plasma Physics and Controlled Fusion, 2012, 54, 095014.	0.9	10
453	Alfvén eigenmode stability and fast ion loss in DIII-D and ITER reversed magnetic shear plasmas. Nuclear Fusion, 2012, 52, 094023.	1.6	43
454	Solitary magnetic perturbations at the ELM onset. Nuclear Fusion, 2012, 52, 114025.	1.6	17
455	Simulations of fast ion wall loads in ASDEX Upgrade in the presence of magnetic perturbations due to ELM-mitigation coils. Nuclear Fusion, 2012, 52, 094014.	1.6	25
456	Near midplane scintillator-based fast ion loss detector on DIII-D. Review of Scientific Instruments, 2012, 83, 10D707.	0.6	20
457	Initial measurements of fast ion loss in KSTAR. Review of Scientific Instruments, 2012, 83, 10D305.	0.6	29
458	Experimental investigation of the confinement of $d^{3\text{He}}$ and $d(d,p)t$ fusion reaction products in JET. Nuclear Fusion, 2012, 52, 083004.	1.6	4
459	NBI-driven Alfvénic modes at ASDEX Upgrade. Nuclear Fusion, 2012, 52, 094007.	1.6	26
460	Scrape-off layer ion acceleration during fast wave injection in the DIII-D tokamak. Nuclear Fusion, 2012, 52, 063019.	1.6	10
461	Nonlinear Alfvénic fast particle transport and losses. Journal of Physics: Conference Series, 2012, 401, 012022.	0.3	2
462	Feasibility Study of Lost-Alpha-Particle Measurements by Probe Technique in ITER. Fusion Science and Technology, 2012, 61, 172-184.	0.6	5
463	Gamma-ray spectroscopy measurements of confined fast ions on ASDEX Upgrade. Nuclear Fusion, 2012, 52, 094021.	1.6	19
464	Tomography of fast-ion velocity-space distributions from synthetic CTS and FIDA measurements. Nuclear Fusion, 2012, 52, 103008.	1.6	59
465	Fast-ion transport induced by Alfvén eigenmodes in the ASDEX Upgrade tokamak. Nuclear Fusion, 2011, 51, 103013.	1.6	52
466	Convective beam ion losses due to Alfvén eigenmodes in DIII-D reversed-shear plasmas. Plasma Physics and Controlled Fusion, 2011, 53, 062001.	0.9	25
467	Measurements and modeling of Alfvén eigenmode induced fast ion transport and loss in DIII-D and ASDEX Upgrade. Physics of Plasmas, 2011, 18, .	0.7	90
468	Characterization of scintillator screens for suprathreshold ion detection in fusion devices. Journal of Instrumentation, 2011, 6, P04002-P04002.	0.5	3

#	ARTICLE	IF	CITATIONS
469	ICRF physics aspects of wall conditioning with conventional antennas in large-size tokamaks. Journal of Nuclear Materials, 2011, 415, S1029-S1032.	1.3	20
470	Overview of ASDEX Upgrade results. Nuclear Fusion, 2011, 51, 094012.	1.6	27
471	Numerical simulation of fast ion loss detector measurements for fishbones on JET. Nuclear Fusion, 2011, 51, 053003.	1.6	12
472	Fast-ion D-alpha measurements at ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2011, 53, 065010.	0.9	68
473	Investigation of fast particle driven instabilities by 2D electron cyclotron emission imaging on ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2011, 53, 124018.	0.9	25
474	Characterization of off-axis fishbones. Plasma Physics and Controlled Fusion, 2011, 53, 085028.	0.9	48
475	Overview of JET results. Nuclear Fusion, 2011, 51, 094008.	1.6	33
476	Identification of geodesic chirping Alfvén modes and $q$ -factor estimation in hot core tokamak plasmas in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2011, 53, 025006.	0.9	5
477	Transport of energetic ions due to sawteeth, Alfvén eigenmodes and microturbulence. Nuclear Fusion, 2011, 51, 043012.	1.6	9
478	Energetic particle acceleration and transport by Alfvén/acoustic waves in tokamak-like Solar flares. Proceedings of the International Astronomical Union, 2010, 6, 162-164.	0.0	0
479	Fast Sampling Upgrade and Real-Time NTM Control Application of the ECE Radiometer on ASDEX Upgrade. Fusion Science and Technology, 2010, 57, 1-9.	0.6	12
480	ICRH beatwave excited toroidicity induced Alfvén eigenmodes in ASDEX Upgrade. Nuclear Fusion, 2010, 50, 052003.	1.6	6
481	Impact of strongly driven fishbones and Alfvén Eigenmodes on fast ion losses. Nuclear Fusion, 2010, 50, 115006.	1.6	11
482	Fast-ion losses induced by ACs and TAEs in the ASDEX Upgrade tokamak. Nuclear Fusion, 2010, 50, 084004.	1.6	18
483	2D electron cyclotron emission imaging at ASDEX Upgrade (invited). Review of Scientific Instruments, 2010, 81, 10D929.	0.6	93
484	Addendum to papers from Axially Symmetric Divertor Experiment (ASDEX) Upgrade Team, published in Review of Scientific Instruments. Review of Scientific Instruments, 2010, 81, 039903.	0.6	0
485	Modeling the response of a fast ion loss detector using orbit tracing techniques in a neutral beam prompt-loss study on the DIII-D tokamak. Review of Scientific Instruments, 2010, 81, 10D305.	0.6	19
486	Convective and Diffusive Energetic Particle Losses Induced by Shear Alfvén Waves in the ASDEX Upgrade Tokamak. Physical Review Letters, 2010, 104, 185002.	2.9	61

#	ARTICLE	IF	CITATIONS
487	Scintillator-based diagnostic for fast ion loss measurements on DIII-D. Review of Scientific Instruments, 2010, 81, 10D307.	0.6	64
488	MeV-range fast ion losses induced by fishbones on JET. Nuclear Fusion, 2010, 50, 084009.	1.6	17
489	Scintillator based detector for fast-ion losses induced by magnetohydrodynamic instabilities in the ASDEX upgrade tokamak. Review of Scientific Instruments, 2009, 80, 053503.	0.6	105
490	Kinetic Alfvén eigenmodes at ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2009, 51, 124009.	0.9	72
491	Overview of ASDEX Upgrade results. Nuclear Fusion, 2009, 49, 104009.	1.6	11
492	Stability of toroidicity induced shear Alfvén eigenmodes in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2009, 51, 065003.	0.9	6
493	Overview of JET results. Nuclear Fusion, 2009, 49, 104006.	1.6	46
494	Numerical simulations of fast ion loss measurements induced by magnetic islands in the ASDEX Upgrade tokamak. Nuclear Fusion, 2009, 49, 095021.	1.6	21
495	MHD induced fast-ion losses on ASDEX Upgrade. Nuclear Fusion, 2009, 49, 085014.	1.6	43
496	Observation and modeling of fast trapped ion losses due to neoclassical tearing modes. Physics of Plasmas, 2008, 15, .	0.7	41
497	Structure and dynamics of spontaneous and induced ELMs on ASDEX Upgrade. Nuclear Fusion, 2008, 48, 045005.	1.6	30
498	TAE internal structure through high-resolution soft x-ray measurements in ASDEX-Upgrade. Nuclear Fusion, 2008, 48, 065001.	1.6	11
499	A flexible luminescent probe to monitor fast ion losses at the edge of the TJ-II stellarator. Review of Scientific Instruments, 2008, 79, 093511.	0.6	25
500	Fast-Ion Losses due to High-Frequency MHD Perturbations in the ASDEX Upgrade Tokamak. Physical Review Letters, 2008, 100, 055005.	2.9	68
501	Ionoluminescent response of several phosphor screens to keV ions of different masses. Journal of Applied Physics, 2008, 104, .	1.1	15
502	Analysis of ICRF-Accelerated Ions in ASDEX Upgrade. AIP Conference Proceedings, 2007, , .	0.3	1
503	NTM induced fast ion losses in ASDEX Upgrade. Nuclear Fusion, 2007, 47, L10-L15.	1.6	72
504	Interaction of energetic particles with large and small scale instabilities. Nuclear Fusion, 2007, 47, 025.	1.6	92

#	ARTICLE	IF	CITATIONS
505	Plasma wall interaction and its implication in an all tungsten divertor tokamak. Plasma Physics and Controlled Fusion, 2007, 49, B59-B70.	0.9	110
506	Observation and modelling of fast ion loss in JET and ASDEX Upgrade. Nuclear Fusion, 2006, 46, S904-S910.	1.6	45
507	Postnikov invariants of crossed complexes. Journal of Algebra, 2005, 285, 238-291.	0.4	2
508	Overview of ASDEX Upgrade resultsâ€”development of integrated operating scenarios for ITER. Nuclear Fusion, 2005, 45, S98-S108.	1.6	28
509	Overview of JET results. Nuclear Fusion, 2003, 43, 1540-1554.	1.6	38
510	Fast-ion transport and toroidal rotation response to externally applied magnetic perturbations at the ASDEX Upgrade tokamak. Nuclear Fusion, 0, , .	1.6	1