

# Choong-Seock Chang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

648

papers

10,554

citations

45

h-index

66

g-index

671

ext. papers

12,368

ext. citations

2.4

avg, IF

6.14

L-index

#	Paper	IF	Citations
648	Near real-time streaming analysis of big fusion data. <i>Plasma Physics and Controlled Fusion</i> , <b>2022</b> , 64, 035015	2.1	0
647	Toward the core-edge coupling of delta-f and total-f gyrokinetic models. <i>Physics of Plasmas</i> , <b>2022</b> , 29, 032301	2.1	1
646	Effects of collisional ion orbit loss on neoclassical tokamak radial electric fields. <i>Nuclear Fusion</i> , <b>2022</b> , 62, 066012	3.3	0
645	Magneto-resistive properties of cobalt thin films grown by plasma-assisted atomic layer deposition. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 105002	3	
644	Tokamak ITG-KBM transition benchmarking with the mixed variables/pullback transformation electromagnetic gyrokinetic scheme. <i>Physics of Plasmas</i> , <b>2021</b> , 28, 034501	2.1	4
643	Encoder-decoder neural network for solving the nonlinear Fokker-Planck-Landau collision operator in XGC. <i>Journal of Plasma Physics</i> , <b>2021</b> , 87,	2.7	1
642	Property of neoclassical GAMs induced by pellet generated plasma perturbations in the gyrokinetic code XGC. <i>Physics of Plasmas</i> , <b>2021</b> , 28, 044501	2.1	
641	Improving Gyrokinetic Field Solvers toward Whole-Volume Modeling of Stellarators. <i>Plasma and Fusion Research</i> , <b>2021</b> , 16, 2403054-2403054	0.5	0
640	Verification of a fully implicit particle-in-cell method for the $v_{  }$ -formalism of electromagnetic gyrokinetics in the XGC code. <i>Physics of Plasmas</i> , <b>2021</b> , 28, 072505	2.1	6
639	First coupled GENE-XGC microturbulence simulations. <i>Physics of Plasmas</i> , <b>2021</b> , 28, 012303	2.1	6
638	Constructing a new predictive scaling formula for ITER's divertor heat-load width informed by a simulation-anchored machine learning. <i>Physics of Plasmas</i> , <b>2021</b> , 28, 022501	2.1	8
637	Spatial coupling of gyrokinetic simulations, a generalized scheme based on first-principles. <i>Physics of Plasmas</i> , <b>2021</b> , 28, 022301	2.1	5
636	A Framework for International Collaboration on ITER Using Large-Scale Data Transfer to Enable Near-Real-Time Analysis. <i>Fusion Science and Technology</i> , <b>2021</b> , 77, 98-108	1.1	2
635	Geometric electrostatic particle-in-cell algorithm on unstructured meshes. <i>Journal of Plasma Physics</i> , <b>2021</b> , 87,	2.7	1
634	Finding Structure in Large Data Sets of Particle Distribution Functions Using Unsupervised Machine Learning. <i>IEEE Transactions on Plasma Science</i> , <b>2020</b> , 1-4	1.3	
633	Nonlinear global gyrokinetic delta-f turbulence simulations in a quasi-axisymmetric stellarator. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 044501	2.1	5
632	Gyrokinetic understanding of the edge pedestal transport driven by resonant magnetic perturbations in a realistic divertor geometry. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 062301	2.1	7

631	Moment preserving constrained resampling with applications to particle-in-cell methods. <i>Journal of Computational Physics</i> , <b>2020</b> , 409, 109317	4.1	7
630	Machine Learning for the Complex, Multi-scale Datasets in Fusion Energy. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 269-284	0.3	0
629	Data Federation Challenges in Remote Near-Real-Time Fusion Experiment Data Processing. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 285-299	0.3	
628	Spatial core-edge coupling of the particle-in-cell gyrokinetic codes GEM and XGC. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 122510	2.1	6
627	Advancing Fusion with Machine Learning Research Needs Workshop Report. <i>Journal of Fusion Energy</i> , <b>2020</b> , 39, 123-155	1.6	5
626	Comparison of edge turbulence characteristics between DIII-D and C-Mod simulations with XGC1. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 072302	2.1	3
625	Reduction of blob-filament radial propagation by parallel variation of flows: Analysis of a gyrokinetic simulation. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 082309	2.1	1
624	Verification of an improved equation-free projective integration method for neoclassical plasma-profile evolution in tokamak geometry. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 032505	2.1	1
623	Self-consistent pedestal prediction for JET-ILW in preparation of the DT campaign. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 072501	2.1	9
622	Verification of the global gyrokinetic stellarator code XGC-S for linear ion temperature gradient driven modes. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 082501	2.1	8
621	Interpretative and predictive modelling of Joint European Torus collisionality scans. <i>Plasma Physics and Controlled Fusion</i> , <b>2019</b> , 61, 115004	2	1
620	Gyrokinetic analysis and simulation of pedestals to identify the culprits for energy losses using Fingerprints. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 096001	3.3	43
619	Pressure balance in a lower collisionality, attached tokamak scrape-off layer. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 096002	3.3	0
618	A machine learning approach based on generative topographic mapping for disruption prevention and avoidance at JET. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 106017	3.3	16
617	. <i>IEEE Transactions on Plasma Science</i> , <b>2019</b> , 47, 1871-1877	1.3	1
616	Determination of isotope ratio in the divertor of JET-ILW by high-resolution H $\beta$ spectroscopy: HD experiment and implications for DIII experiment. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 046011	3.3	11
615	Modelling of tungsten erosion and deposition in the divertor of JET-ILW in comparison to experimental findings. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 18, 239-244	2.1	14
614	A locked mode indicator for disruption prediction on JET and ASDEX upgrade. <i>Fusion Engineering and Design</i> , <b>2019</b> , 138, 254-266	1.7	4

613	The software and hardware architecture of the real-time protection of in-vessel components in JET-ILW. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 076016	3.3	7
612	Impact of fast ions on density peaking in JET: fluid and gyrokinetic modeling. <i>Plasma Physics and Controlled Fusion</i> , <b>2019</b> , 61, 075008	2	2
611	Geodesic acoustic mode evolution in L-mode approaching the L-H transition on JET. <i>Plasma Physics and Controlled Fusion</i> , <b>2019</b> , 61, 075007	2	4
610	Multiphysics approach to plasma neutron source modelling at the JET tokamak. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 096020	3.3	8
609	Dynamic modelling of local fuel inventory and desorption in the whole tokamak vacuum vessel for auto-consistent plasma-wall interaction simulations. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 19, 550-557	2.1	8
608	Energetic ion losses "channeling" mechanism and strategy for mitigation. <i>Plasma Physics and Controlled Fusion</i> , <b>2019</b> , 61, 084008	2	0
607	Beryllium global erosion and deposition at JET-ILW simulated with ERO2.0. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 18, 331-338	2.1	24
606	Scenario development for DIII operation at JET. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 076037	3.3	23
605	Diagnostic of fast-ion energy spectra and densities in magnetized plasmas. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, C05019-C05019	1	7
604	Modelling of the effect of ELMs on fuel retention at the bulk W divertor of JET. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 19, 397-402	2.1	5
603	Simulation of neutron emission in neutral beam injection heated plasmas with the real-time code RABBIT. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 086002	3.3	2
602	Overview of the JET preparation for deuterium-tritium operation with the ITER like-wall. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 112021	3.3	55
601	A wall-aligned grid generator for non-linear simulations of MHD instabilities in tokamak plasmas. <i>Computer Physics Communications</i> , <b>2019</b> , 243, 41-50	4.2	6
600	Comparison of the structure of the plasma-facing surface and tritium accumulation in beryllium tiles from JET ILW campaigns 2011-2012 and 2013-2014. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 19, 131-136	2.1	6
599	RF sheath modeling of experimentally observed plasma surface interactions with the JET ITER-Like Antenna. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 19, 324-329	2.1	1
598	An assessment of nitrogen concentrations from spectroscopic measurements in the JET and ASDEX upgrade divertor. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 18, 147-152	2.1	5
597	Beryllium melting and erosion on the upper dump plates in JET during three ITER-like wall campaigns. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 086009	3.3	24
596	Improved ERO modelling of beryllium erosion at ITER upper first wall panel using JET-ILW and PISCES-B experience. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 19, 510-515	2.1	10

595	Adaptive learning for disruption prediction in non-stationary conditions. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 086033-3	3.3	12
594	Development of a Gyrokinetic Particle-in-Cell Code for Whole-Volume Modeling of Stellarators. <i>Plasma</i> , <b>2019</b> , 2, 179-200	1.7	9
593	On a fusion born triton effect in JET deuterium discharges with H-minority ion cyclotron range of frequencies heating. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 064001	3.3	3
592	COREDIV numerical simulation of high neutron rate JET-ILW DD pulses in view of extension to JET-ILW DT experiments. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 056026	3.3	3
591	Shadowing effects in simulated Alcator C-Mod gas puff imaging data. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 19, 113-119	2.1	2
590	The effect of beryllium oxide on retention in JET ITER-like wall tiles. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 19, 346-351	2.1	11
589	Deposition of impurity metals during campaigns with the JET ITER-like Wall. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 19, 218-224	2.1	14
588	Investigation of deuterium trapping and release in the JET ITER-like wall divertor using TDS and TMAP. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 19, 166-178	2.1	15
587	Investigation of deuterium trapping and release in the JET divertor during the third ILW campaign using TDS. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 19, 300-306	2.1	9
586	First mirror test in JET for ITER: Complete overview after three ILW campaigns. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 19, 59-66	2.1	16
585	Tritium distributions on W-coated divertor tiles used in the third JET ITER-like wall campaign. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 18, 258-261	2.1	8
584	X-point ion orbit physics in scrape-off layer and generation of a localized electrostatic potential perturbation around X-point. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 014504	2.1	3
583	Fast ion synergistic effects in JET high performance pulses. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 056005	3.3	9
582	Comparative collisionless alpha particle confinement in stellarator reactors with the XGC gyrokinetic code. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 032506	2.1	7
581	Application of Gaussian process regression to plasma turbulent transport model validation via integrated modelling. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 056007	3.3	14
580	Population modelling of the He II energy levels in tokamak plasmas: I. Collisional excitation model. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2019</b> , 52, 045001	1.3	1
579	Approximate analytic expressions using Stokes model for tokamak polarimetry and their range of validity. <i>Plasma Physics and Controlled Fusion</i> , <b>2019</b> , 61, 055008	2	4
578	Measuring fast ions in fusion plasmas with neutron diagnostics at JET. <i>Plasma Physics and Controlled Fusion</i> , <b>2019</b> , 61, 014027	2	10

577	Novel method for determination of tritium depth profiles in metallic samples. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 106006	3.3	0
576	A power-balance model of the density limit in fusion plasmas: application to the L-mode tokamak. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 126011	3.3	9
575	Modification of the Alfvén wave spectrum by pellet injection. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 106031	3.3	3
574	Isotope identity experiments in JET-ILW with H and D L-mode plasmas. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 076028	3.3	12
573	Role of the pedestal position on the pedestal performance in AUG, JET-ILW and TCV and implications for ITER. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 076038	3.3	26
572	A new mechanism for increasing density peaking in tokamaks: improvement of the inward particle pinch with edge E <sub>B</sub> shearing. <i>Plasma Physics and Controlled Fusion</i> , <b>2019</b> , 61, 104002	2	9
571	Ion cyclotron resonance heating scenarios for DEMO. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 106051	3.3	11
570	Erosion, screening, and migration of tungsten in the JET divertor. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 096035	3.3	34
569	Role of fast ion pressure in the isotope effect in JET L-mode plasmas. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 096030	3.3	10
568	Direct gyrokinetic comparison of pedestal transport in JET with carbon and ITER-like walls. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 086056	3.3	27
567	Overview of KSTAR research progress and future plans toward ITER and K-DEMO. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 112020	3.3	21
566	EDGE2D-EIRENE simulations of the influence of isotope effects and anomalous transport coefficients on near scrape-off layer radial electric field. <i>Plasma Physics and Controlled Fusion</i> , <b>2019</b> , 61, 075010	2	6
565	First principles and integrated modelling achievements towards trustful fusion power predictions for JET and ITER. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 086047	3.3	21
564	Gyrokinetic study of collisional resonant magnetic perturbation (RMP)-driven plasma density and heat transport in tokamak edge plasma using a magnetohydrodynamic screened RMP field. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 126009	3.3	16
563	Control of the hydrogen:deuterium isotope mixture using pellets in JET. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 106043	3.3	4
562	Deep neural networks for plasma tomography with applications to JET and COMPASS. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, C09011-C09011	1	4
561	Synthetic diagnostic for the JET scintillator probe lost alpha measurements. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, C09018-C09018	1	
560	Study of up/down poloidal density asymmetry of high-impurities with the new impurity version of XGCa. <i>Journal of Plasma Physics</i> , <b>2019</b> , 85,	2.7	8

559	ContourNet: Salient Local Contour Identification for Blob Detection in Plasma Fusion Simulation Data. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 289-301	0.9	
558	Radial variation of heat transport in L-mode JET discharges. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 056006	3.3	2
557	Long-lived coupled peeling ballooning modes preceding ELMs on JET. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 056004	3.3	4
556	A Co-Design Study Of Fusion Whole Device Modeling Using Code Coupling <b>2019</b> ,		2
555	Cross-verification of neoclassical transport solutions from XGCa against NEO. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 104502	2.1	6
554	Micro ion beam analysis for the erosion of beryllium marker tiles in a tokamak limiter. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2019</b> , 450, 200-204	1.2	1
553	Impact of ICRF on the scrape-off layer and on plasma wall interactions: From present experiments to fusion reactor. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 18, 131-140	2.1	21
552	Gyrokinetic simulations of toroidal Alfvén eigenmodes excited by energetic ions and external antennas on the Joint European Torus. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 026008	3.3	3
551	Material migration and fuel retention studies during the JET carbon divertor campaigns. <i>Fusion Engineering and Design</i> , <b>2019</b> , 138, 78-108	1.7	14
550	Determination of tungsten sources in the JET-ILW divertor by spectroscopic imaging in the presence of a strong plasma continuum. <i>Nuclear Materials and Energy</i> , <b>2019</b> , 18, 118-124	2.1	9
549	Full-orbit and drift calculations of fusion product losses due to explosive fishbones on JET. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 016004	3.3	8
548	Current Research into Applications of Tomography for Fusion Diagnostics. <i>Journal of Fusion Energy</i> , <b>2019</b> , 38, 458-466	1.6	19
547	Runaway electron beam control. <i>Plasma Physics and Controlled Fusion</i> , <b>2019</b> , 61, 014036	2	18
546	Testing of tritium breeder blanket activation foil spectrometer during JET operations. <i>Fusion Engineering and Design</i> , <b>2018</b> , 136, 258-264	1.7	5
545	Adaptive predictors based on probabilistic SVM for real time disruption mitigation on JET. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 056002	3.3	23
544	Scenario development for the observation of alpha-driven instabilities in JET DT plasmas. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 082005	3.3	20
543	Characterisation of neutron generators and monitoring detectors for the in-vessel calibration of JET. <i>Fusion Engineering and Design</i> , <b>2018</b> , 136, 233-238	1.7	5
542	Multi-machine analysis of termination scenarios with comparison to simulations of controlled shutdown of ITER discharges. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 026019	3.3	11

541	Sub-millisecond electron density profile measurement at the JET tokamak with the fast lithium beam emission spectroscopy system. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 043509	1.7	8
540	A fast low-to-high confinement mode bifurcation dynamics in the boundary-plasma gyrokinetic code XGC1. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 056107	2.1	63
539	Non-Maxwellian fast particle effects in gyrokinetic GENE simulations. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 042304	2.1	15
538	On the potential of ruled-based machine learning for disruption prediction on JET. <i>Fusion Engineering and Design</i> , <b>2018</b> , 130, 62-68	1.7	6
537	MHD spectroscopy of JET plasmas with pellets via Alfvén eigenmodes. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 082008	3.3	6
536	Real-time implementation with FPGA-based DAQ system of a probabilistic disruption predictor from scratch. <i>Fusion Engineering and Design</i> , <b>2018</b> , 129, 179-182	1.7	2
535	Evidence of $^9\text{Be} + \text{p}$ nuclear reactions during $2\text{H}$ and hydrogen minority ICRH in JET-ILW hydrogen and deuterium plasmas. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 026033	3.3	3
534	TAE stability calculations compared to TAE antenna results in JET. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 082007	3.3	5
533	Divertor currents optimization procedure for JET-ILW high flux expansion experiments. <i>Fusion Engineering and Design</i> , <b>2018</b> , 129, 115-119	1.7	1
532	A multi-machine scaling of halo current rotation. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 016050	3.3	13
531	Plasma-wall interaction on the divertor tiles of JET ITER-like wall from the viewpoint of micro/nanoscale observations. <i>Fusion Engineering and Design</i> , <b>2018</b> , 136, 199-204	1.7	4
530	High fusion performance at high $T_i/T_e$ in JET-ILW baseline plasmas with high NBI heating power and low gas puffing. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 036020	3.3	14
529	Full-Pulse Tomographic Reconstruction with Deep Neural Networks. <i>Fusion Science and Technology</i> , <b>2018</b> , 74, 47-56	1.1	15
528	Correlation of the tokamak H-mode density limit with ballooning stability at the separatrix. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 034001	3.3	39
527	Neutron spectroscopy measurements of 14 MeV neutrons at unprecedented energy resolution and implications for deuterium-tritium fusion plasma diagnostics. <i>Measurement Science and Technology</i> , <b>2018</b> , 29, 045502	2	20
526	Versatile fusion source integrator AFSI for fast ion and neutron studies in fusion devices. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 016023	3.3	10
525	Light impurity transport in JET ILW L-mode plasmas. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 036009	3.3	6
524	ERO modeling and sensitivity analysis of locally enhanced beryllium erosion by magnetically connected antennas. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 016046	3.3	7



523	Modelling of JET DT experiments in ILW configurations. <i>Contributions To Plasma Physics</i> , <b>2018</b> , 58, 739-745	1.5	0
522	High-resolution tungsten spectroscopy relevant to the diagnostic of high-temperature tokamak plasmas. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	10
521	Bayesian Integrated Data Analysis of Fast-Ion Measurements by Velocity-Space Tomography. <i>Fusion Science and Technology</i> , <b>2018</b> , 74, 23-36	1.1	9
520	Modelling of the neutron production in a mixed beam DT neutron generator. <i>Fusion Engineering and Design</i> , <b>2018</b> , 136, 1089-1093	1.7	8
519	Analysis of possible improvement of the plasma performance in JET due to the inward spatial channelling of fast-ion energy. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 076012	3.3	7
518	Control and data acquisition software upgrade for JET gamma-ray diagnostics. <i>Fusion Engineering and Design</i> , <b>2018</b> , 128, 117-121	1.7	4
517	Isotope effects on L-H threshold and confinement in tokamak plasmas. <i>Plasma Physics and Controlled Fusion</i> , <b>2018</b> , 60, 014045	2	62
516	Investigation into the formation of the scrape-off layer density shoulder in JET ITER-like wall L-mode and H-mode plasmas. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 056001	3.3	22
515	High Z neoclassical transport: Application and limitation of analytical formulae for modelling JET experimental parameters. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 012303	2.1	11
514	Dust generation in tokamaks: Overview of beryllium and tungsten dust characterisation in JET with the ITER-like wall. <i>Fusion Engineering and Design</i> , <b>2018</b> , 136, 579-586	1.7	32
513	Experimental validation of an analytical kinetic model for edge-localized modes in JET-ITER-like wall. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 066006	3.3	13
512	ICRH antenna S-matrix measurements and plasma coupling characterisation at JET. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 046012	3.3	2
511	First observation of the depolarization of Thomson scattering radiation by a fusion plasma. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 044003	3.3	
510	Escaping alpha-particle monitor for burning plasmas. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 082009	3.3	1
509	Nonlinear dynamic analysis of D <sub>α</sub> signals for type I edge localized modes characterization on JET with a carbon wall. <i>Plasma Physics and Controlled Fusion</i> , <b>2018</b> , 60, 025010	2	2
508	Test particles dynamics in the JOEUK 3D non-linear MHD code and application to electron transport in a disruption simulation. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 016043	3.3	20
507	Analysis of ELM stability with extended MHD models in JET, JT-60U and future JT-60SA tokamak plasmas. <i>Plasma Physics and Controlled Fusion</i> , <b>2018</b> , 60, 014032	2	10
506	Activation Inventories after Exposure to DD/DT Neutrons in Safety Analysis of Nuclear Fusion Installations. <i>Radiation Protection Dosimetry</i> , <b>2018</b> , 180, 125-128	0.9	1

505	Review of recent experimental and modeling advances in the understanding of lower hybrid current drive in ITER-relevant regimes. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 095003	3.3	8
504	Analysis of equilibrium and turbulent fluxes across the separatrix in a gyrokinetic simulation. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 072306	2.1	4
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352	Sawtooth pacing with on-axis ICRH modulation in JET-ILW. <i>Nuclear Fusion</i> , <b>2017</b> , 57, 036027	3.3	16
351	Neutral recycling effects on ITG turbulence. <i>Nuclear Fusion</i> , <b>2017</b> , 57, 086028	3.3	22
350	Impact of divertor geometry on H-mode confinement in the JET metallic wall. <i>Nuclear Fusion</i> , <b>2017</b> , 57, 086025	3.3	18
349	Overview of fuel inventory in JET with the ITER-like wall. <i>Nuclear Fusion</i> , <b>2017</b> , 57, 086045	3.3	35
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347	Analysis of activation and damage of ITER material samples expected from DD/DT campaign at JET. <i>Fusion Engineering and Design</i> , <b>2017</b> , 125, 307-313	1.7	6
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339	The near infrared imaging system for the real-time protection of the JET ITER-like wall. <i>Physica Scripta</i> , <b>2017</b> , T170, 014027	2.6	7
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322	Analyses of microstructure, composition and retention of hydrogen isotopes in divertor tiles of JET with the ITER-like wall. <i>Physica Scripta</i> , <b>2017</b> , T170, 014031	2.6	10
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320	Dynamic power balance analysis in JET. <i>Physica Scripta</i> , <b>2017</b> , T170, 014035	2.6	2
319	Bayesian electron density inference from JET lithium beam emission spectra using Gaussian processes. <i>Nuclear Fusion</i> , <b>2017</b> , 57, 036017	3.3	9
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300	Evaluation of reconstruction errors and identification of artefacts for JET gamma and neutron tomography. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 013502	1.7	5
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295	Experience of handling beryllium, tritium and activated components from JET ITER like wall. <i>Physica Scripta</i> , <b>2016</b> , T167, 014057	2.6	17
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280	Erosion and deposition in the JET divertor during the first ILW campaign. <i>Physica Scripta</i> , <b>2016</b> , T167, 014051	2.6	47
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