

Bohdan Bieg

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.

430
papers

5,712
citations

35
h-index

46
g-index

443
ext. papers

6,967
ext. citations

2.4
avg, IF

5.71
L-index

#	Paper	IF	Citations
430	Thickness dependence of the work function in case of ultra-thin metallic layers. <i>Applied Surface Science</i> , 2021 , 540, 148363	6.7	0
429	Gyrokinetic analysis and simulation of pedestals to identify the culprits for energy losses using Fingerprints. <i>Nuclear Fusion</i> , 2019 , 59, 096001	3.3	43
428	A machine learning approach based on generative topographic mapping for disruption prevention and avoidance at JET. <i>Nuclear Fusion</i> , 2019 , 59, 106017	3.3	16
427	Determination of isotope ratio in the divertor of JET-ILW by high-resolution He spectroscopy: HD experiment and implications for DIII experiment. <i>Nuclear Fusion</i> , 2019 , 59, 046011	3.3	11
426	A locked mode indicator for disruption prediction on JET and ASDEX upgrade. <i>Fusion Engineering and Design</i> , 2019 , 138, 254-266	1.7	4
425	Polarimetric laser beam diffraction in a tokamak plasma. <i>Fusion Engineering and Design</i> , 2019 , 146, 1011-1014	1.7	4
424	The software and hardware architecture of the real-time protection of in-vessel components in JET-ILW. <i>Nuclear Fusion</i> , 2019 , 59, 076016	3.3	7
423	Impact of fast ions on density peaking in JET: fluid and gyrokinetic modeling. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 075008	2	2
422	Geodesic acoustic mode evolution in L-mode approaching the L-H transition on JET. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 075007	2	4
421	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> , 2019 , 19, 550-557	2.1	8
420	Energetic ion losses channeling mechanism and strategy for mitigation. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 084008	2	0
419	Scenario development for DIII operation at JET. <i>Nuclear Fusion</i> , 2019 , 59, 076037	3.3	23
418	Diagnostic of fast-ion energy spectra and densities in magnetized plasmas. <i>Journal of Instrumentation</i> , 2019 , 14, C05019-C05019	1	7
417	Modelling of the effect of ELMs on fuel retention at the bulk W divertor of JET. <i>Nuclear Materials and Energy</i> , 2019 , 19, 397-402	2.1	5
416	Simulation of neutron emission in neutral beam injection heated plasmas with the real-time code RABBIT. <i>Nuclear Fusion</i> , 2019 , 59, 086002	3.3	2
415	A wall-aligned grid generator for non-linear simulations of MHD instabilities in tokamak plasmas. <i>Computer Physics Communications</i> , 2019 , 243, 41-50	4.2	6
414	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> , 2019 , 19, 131-136	2.1	6

413	An assessment of nitrogen concentrations from spectroscopic measurements in the JET and ASDEX upgrade divertor. <i>Nuclear Materials and Energy</i> , 2019 , 18, 147-152	2.1	5
412	Beryllium melting and erosion on the upper dump plates in JET during three ITER-like wall campaigns. <i>Nuclear Fusion</i> , 2019 , 59, 086009	3.3	24
411	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> , 2019 , 19, 510-515	2.1	10
410	On a fusion born triton effect in JET deuterium discharges with H-minority ion cyclotron range of frequencies heating. <i>Nuclear Fusion</i> , 2019 , 59, 064001	3.3	3
409	The effect of beryllium oxide on retention in JET ITER-like wall tiles. <i>Nuclear Materials and Energy</i> , 2019 , 19, 346-351	2.1	11
408	Deposition of impurity metals during campaigns with the JET ITER-like Wall. <i>Nuclear Materials and Energy</i> , 2019 , 19, 218-224	2.1	14
407	Investigation of deuterium trapping and release in the JET ITER-like wall divertor using TDS and TMAP. <i>Nuclear Materials and Energy</i> , 2019 , 19, 166-178	2.1	15
406	Investigation of deuterium trapping and release in the JET divertor during the third ILW campaign using TDS. <i>Nuclear Materials and Energy</i> , 2019 , 19, 300-306	2.1	9
405	First mirror test in JET for ITER: Complete overview after three ILW campaigns. <i>Nuclear Materials and Energy</i> , 2019 , 19, 59-66	2.1	16
404	Tritium distributions on W-coated divertor tiles used in the third JET ITER-like wall campaign. <i>Nuclear Materials and Energy</i> , 2019 , 18, 258-261	2.1	8
403	Fast ion synergistic effects in JET high performance pulses. <i>Nuclear Fusion</i> , 2019 , 59, 056005	3.3	9
402	Application of Gaussian process regression to plasma turbulent transport model validation via integrated modelling. <i>Nuclear Fusion</i> , 2019 , 59, 056007	3.3	14
401	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> , 2019 , 52, 045001	1.3	1
400	Approximate analytic expressions using Stokes model for tokamak polarimetry and their range of validity. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 055008	2	4
399	Measuring fast ions in fusion plasmas with neutron diagnostics at JET. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 014027	2	10
398	Novel method for determination of tritium depth profiles in metallic samples. <i>Nuclear Fusion</i> , 2019 , 59, 106006	3.3	0
397	A power-balance model of the density limit in fusion plasmas: application to the L-mode tokamak. <i>Nuclear Fusion</i> , 2019 , 59, 126011	3.3	9
396	Isotope identity experiments in JET-ILW with H and D L-mode plasmas. <i>Nuclear Fusion</i> , 2019 , 59, 076028	3.3	12

395	Role of the pedestal position on the pedestal performance in AUG, JET-ILW and TCV and implications for ITER. <i>Nuclear Fusion</i> , 2019 , 59, 076038	3-3	26
394	Erosion, screening, and migration of tungsten in the JET divertor. <i>Nuclear Fusion</i> , 2019 , 59, 096035	3-3	34
393	Direct gyrokinetic comparison of pedestal transport in JET with carbon and ITER-like walls. <i>Nuclear Fusion</i> , 2019 , 59, 086056	3-3	27
392	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> , 2019 , 61, 075010	2	6
391	Radial variation of heat transport in L-mode JET discharges. <i>Nuclear Fusion</i> , 2019 , 59, 056006	3-3	2
390	Long-lived coupled peeling ballooning modes preceding ELMs on JET. <i>Nuclear Fusion</i> , 2019 , 59, 056004	3-3	4
389	Micro ion beam analysis for the erosion of beryllium marker tiles in a tokamak limiter. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019 , 450, 200-204	1.2	1
388	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> , 2019 , 18, 131-140	2.1	21
387	Gyrokinetic simulations of toroidal Alfvén eigenmodes excited by energetic ions and external antennas on the Joint European Torus. <i>Nuclear Fusion</i> , 2019 , 59, 026008	3-3	3
386	Analysis of deposited layers with deuterium and impurity elements on samples from the divertor of JET with ITER-like wall. <i>Journal of Nuclear Materials</i> , 2019 , 516, 202-213	3-3	8
385	Analysis of the outer divertor hot spot activity in the protection video camera recordings at JET. <i>Fusion Engineering and Design</i> , 2019 , 139, 115-123	1.7	3
384	Material migration and fuel retention studies during the JET carbon divertor campaigns. <i>Fusion Engineering and Design</i> , 2019 , 138, 78-108	1.7	14
383	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> , 2019 , 18, 118-124	2.1	9
382	Improved neutron activation dosimetry for fusion. <i>Fusion Engineering and Design</i> , 2019 , 139, 109-114	1.7	6
381	Full-orbit and drift calculations of fusion product losses due to explosive fishbones on JET. <i>Nuclear Fusion</i> , 2019 , 59, 016004	3-3	8
380	Current Research into Applications of Tomography for Fusion Diagnostics. <i>Journal of Fusion Energy</i> , 2019 , 38, 458-466	1.6	19
379	Runaway electron beam control. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 014036	2	18
378	Testing of tritium breeder blanket activation foil spectrometer during JET operations. <i>Fusion Engineering and Design</i> , 2018 , 136, 258-264	1.7	5

377	Adaptive predictors based on probabilistic SVM for real time disruption mitigation on JET. <i>Nuclear Fusion</i> , 2018 , 58, 056002	3.3	23
376	Scenario development for the observation of alpha-driven instabilities in JET DT plasmas. <i>Nuclear Fusion</i> , 2018 , 58, 082005	3.3	20
375	Characterisation of neutron generators and monitoring detectors for the in-vessel calibration of JET. <i>Fusion Engineering and Design</i> , 2018 , 136, 233-238	1.7	5
374	Multi-machine analysis of termination scenarios with comparison to simulations of controlled shutdown of ITER discharges. <i>Nuclear Fusion</i> , 2018 , 58, 026019	3.3	11
373	Sub-millisecond electron density profile measurement at the JET tokamak with the fast lithium beam emission spectroscopy system. <i>Review of Scientific Instruments</i> , 2018 , 89, 043509	1.7	8
372	Non-Maxwellian fast particle effects in gyrokinetic GENE simulations. <i>Physics of Plasmas</i> , 2018 , 25, 042304	4.1	15
371	On the potential of ruled-based machine learning for disruption prediction on JET. <i>Fusion Engineering and Design</i> , 2018 , 130, 62-68	1.7	6
370	MHD spectroscopy of JET plasmas with pellets via Alfvén eigenmodes. <i>Nuclear Fusion</i> , 2018 , 58, 082008	3.3	6
369	Real-time implementation with FPGA-based DAQ system of a probabilistic disruption predictor from scratch. <i>Fusion Engineering and Design</i> , 2018 , 129, 179-182	1.7	2
368	Evidence of $^9\text{Be} + \text{p}$ nuclear reactions during 2π and hydrogen minority ICRH in JET-ILW hydrogen and deuterium plasmas. <i>Nuclear Fusion</i> , 2018 , 58, 026033	3.3	3
367	TAE stability calculations compared to TAE antenna results in JET. <i>Nuclear Fusion</i> , 2018 , 58, 082007	3.3	5
366	Divertor currents optimization procedure for JET-ILW high flux expansion experiments. <i>Fusion Engineering and Design</i> , 2018 , 129, 115-119	1.7	1
365	A multi-machine scaling of halo current rotation. <i>Nuclear Fusion</i> , 2018 , 58, 016050	3.3	13
364	Plasma-wall interaction on the divertor tiles of JET ITER-like wall from the viewpoint of micro/nanosopic observations. <i>Fusion Engineering and Design</i> , 2018 , 136, 199-204	1.7	4
363	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> , 2018 , 58, 036020	3.3	14
362	Full-Pulse Tomographic Reconstruction with Deep Neural Networks. <i>Fusion Science and Technology</i> , 2018 , 74, 47-56	1.1	15
361	Correlation of the tokamak H-mode density limit with ballooning stability at the separatrix. <i>Nuclear Fusion</i> , 2018 , 58, 034001	3.3	39
360	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> , 2018 , 29, 045502	2	20

359	Versatile fusion source integrator AFSI for fast ion and neutron studies in fusion devices. <i>Nuclear Fusion</i> , 2018 , 58, 016023	3.3	10
358	Light impurity transport in JET ILW L-mode plasmas. <i>Nuclear Fusion</i> , 2018 , 58, 036009	3.3	6
357	ERO modeling and sensitivity analysis of locally enhanced beryllium erosion by magnetically connected antennas. <i>Nuclear Fusion</i> , 2018 , 58, 016046	3.3	7
356	Modelling of JET DT experiments in ILW configurations. <i>Contributions To Plasma Physics</i> , 2018 , 58, 739-745	4.1	0
355	High-resolution tungsten spectroscopy relevant to the diagnostic of high-temperature tokamak plasmas. <i>Physical Review A</i> , 2018 , 97,	2.6	10
354	Bayesian Integrated Data Analysis of Fast-Ion Measurements by Velocity-Space Tomography. <i>Fusion Science and Technology</i> , 2018 , 74, 23-36	1.1	9
353	Modelling of the neutron production in a mixed beam DT neutron generator. <i>Fusion Engineering and Design</i> , 2018 , 136, 1089-1093	1.7	8
352	Analysis of possible improvement of the plasma performance in JET due to the inward spatial channelling of fast-ion energy. <i>Nuclear Fusion</i> , 2018 , 58, 076012	3.3	7
351	Control and data acquisition software upgrade for JET gamma-ray diagnostics. <i>Fusion Engineering and Design</i> , 2018 , 128, 117-121	1.7	4
350	Isotope effects on L-H threshold and confinement in tokamak plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 014045	2	62
349	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> , 2018 , 58, 056001	3.3	22
348	High Z neoclassical transport: Application and limitation of analytical formulae for modelling JET experimental parameters. <i>Physics of Plasmas</i> , 2018 , 25, 012303	2.1	11
347	Dust generation in tokamaks: Overview of beryllium and tungsten dust characterisation in JET with the ITER-like wall. <i>Fusion Engineering and Design</i> , 2018 , 136, 579-586	1.7	32
346	Experimental validation of an analytical kinetic model for edge-localized modes in JET-ITER-like wall. <i>Nuclear Fusion</i> , 2018 , 58, 066006	3.3	13
345	ICRH antenna S-matrix measurements and plasma coupling characterisation at JET. <i>Nuclear Fusion</i> , 2018 , 58, 046012	3.3	2
344	First observation of the depolarization of Thomson scattering radiation by a fusion plasma. <i>Nuclear Fusion</i> , 2018 , 58, 044003	3.3	
343	Escaping alpha-particle monitor for burning plasmas. <i>Nuclear Fusion</i> , 2018 , 58, 082009	3.3	1
342	Nonlinear dynamic analysis of D _α signals for type I edge localized modes characterization on JET with a carbon wall. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 025010	2	2

341	Test particles dynamics in the JOEUK 3D non-linear MHD code and application to electron transport in a disruption simulation. <i>Nuclear Fusion</i> , 2018 , 58, 016043	3.3	20
340	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> , 2018 , 60, 014032	2	10
339	Activation Inventories after Exposure to DD/DT Neutrons in Safety Analysis of Nuclear Fusion Installations. <i>Radiation Protection Dosimetry</i> , 2018 , 180, 125-128	0.9	1
338	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	3.3	8
337	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	1.2	6
336	Activation of ITER materials in JET: nuclear characterisation experiments for the long-term irradiation station. <i>Nuclear Fusion</i> , 2018 , 58, 096013	3.3	12
335	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	1.3	20
334	Precise, semi-empirical equation for the work function. <i>Applied Surface Science</i> , 2018 , 461, 83-87	6.7	7
333	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	1.7	13
332	Integrated modelling of H-mode pedestal and confinement in JET-ILW. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 014042	2	16
331	14 MeV calibration of JET neutron detectors phase 2: in-vessel calibration. <i>Nuclear Fusion</i> , 2018 , 58, 106016	3.3	10
330	Real-time protection of the JET ITER-like wall based on near infrared imaging diagnostic systems. <i>Nuclear Fusion</i> , 2018 , 58, 106021	3.3	9
329	Electron acceleration in a JET disruption simulation. <i>Nuclear Fusion</i> , 2018 , 58, 106022	3.3	13
328	Modelling of JET hybrid plasmas with emphasis on performance of combined ICRF and NBI heating. <i>Nuclear Fusion</i> , 2018 , 58, 106037	3.3	14
327	Observations and modelling of ion cyclotron emission observed in JET plasmas using a sub-harmonic arc detection system during ion cyclotron resonance heating. <i>Nuclear Fusion</i> , 2018 , 58, 096020	3.3	8
326	Scaling of the geodesic acoustic mode amplitude on JET. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 085006	2	5
325	First principle integrated modeling of multi-channel transport including Tungsten in JET. <i>Nuclear Fusion</i> , 2018 , 58, 096003	3.3	14
324	Alpha heating, isotopic mass, and fast ion effects in deuterium-tritium experiments. <i>Nuclear Fusion</i> , 2018 , 58, 096011	3.3	1

323	Thermal desorption spectrometry of beryllium plasma facing tiles exposed in the JET tokamak. <i>Fusion Engineering and Design</i> , 2018 , 133, 135-141	1.7	11
322	Pedestal evolution physics in low triangularity JET tokamak discharges with ITER-like wall. <i>Nuclear Fusion</i> , 2018 , 58, 016021	3.3	10
321	Equilibrium reconstruction in an iron core tokamak using a deterministic magnetisation model. <i>Computer Physics Communications</i> , 2018 , 223, 1-17	4.2	8
320	On the universality of power laws for tokamak plasma predictions. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 025028	2	6
319	Comparison of runaway electron generation parameters in small, medium-sized and large tokamaks. A survey of experiments in COMPASS, TCV, ASDEX-Upgrade and JET. <i>Nuclear Fusion</i> , 2018 , 58, 016014	3.3	10
318	Identification of BeO and BeOxDy in melted zones of the JET Be limiter tiles: Raman study using comparison with laboratory samples. <i>Nuclear Materials and Energy</i> , 2018 , 17, 295-301	2.1	11
317	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. <i>Nuclear Fusion</i> , 2018 , 58, 056010	3.3	30
316	On the Use of Transfer Entropy to Investigate the Time Horizon of Causal Influences between Signals. <i>Entropy</i> , 2018 , 20,	2.8	9
315	An improved model for the accurate calculation of parallel heat fluxes at the JET bulk tungsten outer divertor. <i>Nuclear Fusion</i> , 2018 , 58, 106034	3.3	6
314	Tritium retention characteristics in dust particles in JET with ITER-like wall. <i>Nuclear Materials and Energy</i> , 2018 , 17, 279-283	2.1	15
313	Shutdown dose rate measurements after the 2016 Deuterium-Deuterium campaign at JET. <i>Fusion Engineering and Design</i> , 2018 , 136, 1348-1353	1.7	4
312	Application of the VUV and the soft x-ray systems on JET for the study of intrinsic impurity behavior in neon seeded hybrid discharges. <i>Review of Scientific Instruments</i> , 2018 , 89, 10D131	1.7	2
311	3D non-linear MHD simulation of the MHD response and density increase as a result of shattered pellet injection. <i>Nuclear Fusion</i> , 2018 , 58, 126025	3.3	20
310	Application of the Denovo Discrete Ordinates Radiation Transport Code to Large-Scale Fusion Neutronics. <i>Fusion Science and Technology</i> , 2018 , 74, 303-314	1.1	3
309	JET diagnostic enhancements testing and commissioning in preparation for DT scientific campaigns. <i>Review of Scientific Instruments</i> , 2018 , 89, 10K119	1.7	5
308	Dependence of the turbulent particle flux on hydrogen isotopes induced by collisionality. <i>Physics of Plasmas</i> , 2018 , 25, 082517	2.1	10
307	On the role of finite grid extent in SOLPS-ITER edge plasma simulations for JET H-mode discharges with metallic wall. <i>Nuclear Materials and Energy</i> , 2018 , 17, 174-181	2.1	5
306	Effects of nitrogen seeding on core ion thermal transport in JET ILW L-mode plasmas. <i>Nuclear Fusion</i> , 2018 , 58, 026028	3.3	8

305	Assessment of the baseline scenario at q 95 ~ 3 for ITER. <i>Nuclear Fusion</i> , 2018 , 58, 126010	3.3	15
304	Heat flux analysis of Type-I ELM impact on a sloped, protruding surface in the JET bulk tungsten divertor. <i>Nuclear Materials and Energy</i> , 2018 , 17, 182-187	2.1	3
303	Determination of 2D poloidal maps of the intrinsic W density for transport studies in JET-ILW. <i>Review of Scientific Instruments</i> , 2018 , 89, 113501	1.7	8
302	Neutron emission spectroscopy of D plasmas at JET with a compact liquid scintillating neutron spectrometer. <i>Review of Scientific Instruments</i> , 2018 , 89, 101113	1.7	7
301	Real-time-capable prediction of temperature and density profiles in a tokamak using RAPTOR and a first-principle-based transport model. <i>Nuclear Fusion</i> , 2018 , 58, 096006	3.3	26
300	The upgraded JET gamma-ray cameras based on high resolution/high count rate compact spectrometers. <i>Review of Scientific Instruments</i> , 2018 , 89, 101116	1.7	19
299	OVERVIEW OF NEUTRON MEASUREMENTS IN JET FUSION DEVICE. <i>Radiation Protection Dosimetry</i> , 2018 , 180, 102-108	0.9	1
298	Instrumentation for the upgrade to the JET core charge-exchange spectrometers. <i>Review of Scientific Instruments</i> , 2018 , 89, 10D113	1.7	4
297	Propagating transport-code input parameter uncertainties with deterministic sampling. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 125010	2	
296	Synthetic spectra of BeH, BeD and BeT for emission modeling in JET plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018 , 51, 185701	1.3	13
295	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. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 115011	2	5
294	Development of a new compact gamma-ray spectrometer optimised for runaway electron measurements. <i>Review of Scientific Instruments</i> , 2018 , 89, 101134	1.7	10
293	First principles of modelling the stabilization of microturbulence by fast ions. <i>Nuclear Fusion</i> , 2018 , 58, 082024	3.3	10
292	Inter-ELM evolution of the edge current density in JET-ILW type I ELMy H-mode plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 085003	2	4
291	Impact of electron-scale turbulence and multi-scale interactions in the JET tokamak. <i>Nuclear Fusion</i> , 2018 , 58, 124003	3.3	10
290	Equilibrium reconstruction at JET using Stokes model for polarimetry. <i>Nuclear Fusion</i> , 2018 , 58, 106032	3.3	16
289	Generation of a plasma neutron source for Monte Carlo neutron transport calculations in the tokamak JET. <i>Fusion Engineering and Design</i> , 2018 , 136, 1047-1051	1.7	8
288	Shutdown dose rate neutronics experiment during high performances DD operations at JET. <i>Fusion Engineering and Design</i> , 2018 , 136, 1545-1549	1.7	3

287	Observation of enhanced ion particle transport in mixed H/D isotope plasmas on JET. <i>Nuclear Fusion</i> , 2018 , 58, 076022	3.3	14
286	Analysis of plasma termination in the JET hybrid scenario. <i>Nuclear Fusion</i> , 2018 , 58, 076027	3.3	5
285	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	1.7	12
284	Activation material selection for multiple foil activation detectors in JET TT campaign. <i>Fusion Engineering and Design</i> , 2018 , 136, 988-992	1.7	2
283	Preparation for commissioning of materials detritiation facility at Culham Science Centre. <i>Fusion Engineering and Design</i> , 2018 , 136, 1391-1395	1.7	1
282	Fast H isotope and impurity mixing in ion-temperature-gradient turbulence. <i>Nuclear Fusion</i> , 2018 , 58, 076028	3.3	22
281	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	2	17
280	Neutral pathways and heat flux widths in vertical- and horizontal-target EDGE2D-EIRENE simulations of JET. <i>Nuclear Fusion</i> , 2018 , 58, 096029	3.3	15
279	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	6
278	Electron chemical potential in the context of unconventional quantum model. <i>Applied Surface Science</i> , 2018 , 461, 78-82	6.7	3
277	On the mechanisms governing gas penetration into a tokamak plasma during a massive gas injection. <i>Nuclear Fusion</i> , 2017 , 57, 016027	3.3	6
276	Calculations to support JET neutron yield calibration: Modelling of neutron emission from a compact DT neutron generator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 847, 199-204	1.2	8
275	High power neon seeded JET discharges: Experiments and simulations. <i>Nuclear Materials and Energy</i> , 2017 , 12, 882-886	2.1	9
274	Assessment of erosion, deposition and fuel retention in the JET-ILW divertor from ion beam analysis data. <i>Nuclear Materials and Energy</i> , 2017 , 12, 559-563	2.1	23
273	Beryllium film deposition in cavity samples in remote areas of the JET divertor during the 2011-2012 ITER-like wall campaign. <i>Nuclear Materials and Energy</i> , 2017 , 12, 548-552	2.1	11
272	Energy balance in JET. <i>Nuclear Materials and Energy</i> , 2017 , 12, 227-233	2.1	13
271	Possible influence of near SOL plasma on the H-mode power threshold. <i>Nuclear Materials and Energy</i> , 2017 , 12, 273-277	2.1	12
270	Progress in reducing ICRF-specific impurity release in ASDEX upgrade and JET. <i>Nuclear Materials and Energy</i> , 2017 , 12, 1194-1198	2.1	8

269	Gyrokinetic study of turbulent convection of heavy impurities in tokamak plasmas at comparable ion and electron heat fluxes. <i>Nuclear Fusion</i> , 2017 , 57, 022009	3.3	21
268	Progress in understanding disruptions triggered by massive gas injection via 3D non-linear MHD modelling with JOREK. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 014006	2	36
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