

Bohdan Bieg

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430
papers

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443
ext. papers

6,967
ext. citations

2.4
avg, IF

5.71
L-index

#	Paper	IF	Citations
430	Overview of the JET results in support to ITER. <i>Nuclear Fusion</i> , 2017 , 57, 102001	3.3	125
429	ELM divertor peak energy fluence scaling to ITER with data from JET, MAST and ASDEX upgrade. <i>Nuclear Materials and Energy</i> , 2017 , 12, 84-90	2.1	74
428	Experimental Validation of a Filament Transport Model in Turbulent Magnetized Plasmas. <i>Physical Review Letters</i> , 2015 , 115, 215002	7.4	70
427	Beryllium migration in JET ITER-like wall plasmas. <i>Nuclear Fusion</i> , 2015 , 55, 063021	3.3	70
426	Pedestal confinement and stability in JET-ILW ELMy H-modes. <i>Nuclear Fusion</i> , 2015 , 55, 113031	3.3	69
425	Improved confinement in JET high- β plasmas with an ITER-like wall. <i>Nuclear Fusion</i> , 2015 , 55, 053031	3.3	63
424	Isotope effects on L-H threshold and confinement in tokamak plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 014045	2	62
423	Power exhaust by SOL and pedestal radiation at ASDEX Upgrade and JET. <i>Nuclear Materials and Energy</i> , 2017 , 12, 111-118	2.1	61
422	Stationary Zonal Flows during the Formation of the Edge Transport Barrier in the JET Tokamak. <i>Physical Review Letters</i> , 2016 , 116, 065002	7.4	59
421	Technical challenges in the construction of the steady-state stellarator Wendelstein 7-X. <i>Nuclear Fusion</i> , 2013 , 53, 126001	3.3	59
420	Overview of the JET results with the ITER-like wall. <i>Nuclear Fusion</i> , 2013 , 53, 104002	3.3	58
419	Synthesis and spectroscopic study of Schiff bases derived from trans-1,2-diaminocyclohexane. Deuterium isotope effect on ^{13}C chemical shift. <i>Journal of Molecular Structure</i> , 2002 , 615, 109-120	3.4	58
418	WALLDYN simulations of global impurity migration in JET and extrapolations to ITER. <i>Nuclear Fusion</i> , 2015 , 55, 053015	3.3	55
417	WEST Physics Basis. <i>Nuclear Fusion</i> , 2015 , 55, 063017	3.3	54
416	Dual sightline measurements of MeV range deuterons with neutron and gamma-ray spectroscopy at JET. <i>Nuclear Fusion</i> , 2015 , 55, 123026	3.3	51
415	Erosion and deposition in the JET divertor during the first ILW campaign. <i>Physica Scripta</i> , 2016 , T167, 014051	2.6	47
414	Core turbulent transport in tokamak plasmas: bridging theory and experiment with QuaLiKiz. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 014036	2	45

413	Long-term fuel retention in JET ITER-like wall. <i>Physica Scripta</i> , 2016 , T167, 014075	2.6	44
412	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
411	First dust study in JET with the ITER-like wall: sampling, analysis and classification. <i>Nuclear Fusion</i> , 2015 , 55, 113033	3.3	43
410	Overview of JET results. <i>Nuclear Fusion</i> , 2009 , 49, 104006	3.3	43
409	Melt damage to the JET ITER-like Wall and divertor. <i>Physica Scripta</i> , 2016 , T167, 014070	2.6	43
408	Influence of theE □drift in high recycling divertors on target asymmetries. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 095002	2	41
407	The impact of poloidal asymmetries on tungsten transport in the core of JET H-mode plasmas. <i>Physics of Plasmas</i> , 2015 , 22, 055902	2.1	40
406	Three-dimensional non-linear magnetohydrodynamic modeling of massive gas injection triggered disruptions in JET. <i>Physics of Plasmas</i> , 2015 , 22, 062509	2.1	40
405	Correlation of the tokamak H-mode density limit with ballooning stability at the separatrix. <i>Nuclear Fusion</i> , 2018 , 58, 034001	3.3	39
404	Ion target impact energy during Type I edge localized modes in JET ITER-like Wall. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 085006	2	38
403	Scaling of the MHD perturbation amplitude required to trigger a disruption and predictions for ITER. <i>Nuclear Fusion</i> , 2016 , 56, 026007	3.3	38
402	Recent progress towards a quantitative description of filamentary SOL transport. <i>Nuclear Fusion</i> , 2017 , 57, 056044	3.3	38
401	MeV-range velocity-space tomography from gamma-ray and neutron emission spectrometry measurements at JET. <i>Nuclear Fusion</i> , 2017 , 57, 056001	3.3	37
400	Progress in understanding disruptions triggered by massive gas injection via 3D non-linear MHD modelling with JOEK. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 014006	2	36
399	Overview of the JET ITER-like wall divertor. <i>Nuclear Materials and Energy</i> , 2017 , 12, 499-505	2.1	36
398	Runaway electron beam generation and mitigation during disruptions at JET-ILW. <i>Nuclear Fusion</i> , 2015 , 55, 093013	3.3	36
397	Overview of fuel inventory in JET with the ITER-like wall. <i>Nuclear Fusion</i> , 2017 , 57, 086045	3.3	35
396	Overview of JET results. <i>Nuclear Fusion</i> , 2003 , 43, 1540-1554	3.3	35

395	Erosion, screening, and migration of tungsten in the JET divertor. <i>Nuclear Fusion</i> , 2019 , 59, 096035	3-3	34
394	JET and COMPASS asymmetrical disruptions. <i>Nuclear Fusion</i> , 2015 , 55, 113006	3-3	34
393	Overview of the JET results. <i>Nuclear Fusion</i> , 2015 , 55, 104001	3-3	34
392	Multi-machine scaling of the main SOL parallel heat flux width in tokamak limiter plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 074005	2	33
391	First neutron spectroscopy measurements with a pixelated diamond detector at JET. <i>Review of Scientific Instruments</i> , 2016 , 87, 11D833	1.7	33
390	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
389	The role of MHD in causing impurity peaking in JET hybrid plasmas. <i>Nuclear Fusion</i> , 2016 , 56, 066002	3-3	31
388	Real-time control of divertor detachment in H-mode with impurity seeding using Langmuir probe feedback in JET-ITER-like wall. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 045001	2	31
387	The effects of impurities and core pressure on pedestal stability in Joint European Torus (JET)a). <i>Physics of Plasmas</i> , 2015 , 22, 056115	2.1	30
386	Gamma-ray spectroscopy at MHz counting rates with a compact LaBr detector and silicon photomultipliers for fusion plasma applications. <i>Review of Scientific Instruments</i> , 2016 , 87, 11E714	1.7	30
385	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
384	Studies of dust from JET with the ITER-Like Wall: Composition and internal structure. <i>Nuclear Materials and Energy</i> , 2017 , 12, 582-587	2.1	29
383	Stokes-vector evolution in a weakly anisotropic inhomogeneous medium. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007 , 24, 3388-96	1.8	29
382	Inferring divertor plasma properties from hydrogen Balmer and Paschen series spectroscopy in JET-ILW. <i>Nuclear Fusion</i> , 2015 , 55, 123028	3-3	28
381	Direct gyrokinetic comparison of pedestal transport in JET with carbon and ITER-like walls. <i>Nuclear Fusion</i> , 2019 , 59, 086056	3-3	27
380	Discriminating the trapped electron modes contribution in density fluctuation spectra. <i>Nuclear Fusion</i> , 2015 , 55, 093021	3-3	27
379	Benchmark experiments on neutron streaming through JET Torus Hall penetrations. <i>Nuclear Fusion</i> , 2015 , 55, 053028	3-3	26
378	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

377	Tractable flux-driven temperature, density, and rotation profile evolution with the quasilinear gyrokinetic transport model QuaLiKiz. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 124005	2	26
376	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	3.3	26
375	Key impact of finite-beta and fast ions in core and edge tokamak regions for the transition to advanced scenarios. <i>Nuclear Fusion</i> , 2015 , 55, 053007	3.3	26
374	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
373	Understanding the physics of ELM pacing via vertical kicks in JET in view of ITER. <i>Nuclear Fusion</i> , 2016 , 56, 026001	3.3	25
372	Complex polarization angle: Relation to traditional polarization parameters and application to microwave plasma polarimetry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 368, 101-107	2.3	25
371	Photoluminescence and free carrier interactions in erbium-doped GaAs. <i>Journal of Applied Physics</i> , 1998 , 83, 4918-4927	2.5	25
370	Plasma impact on diagnostic mirrors in JET. <i>Nuclear Materials and Energy</i> , 2017 , 12, 506-512	2.1	24
369	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
368	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. <i>Physica Scripta</i> , 2016 , T167, 014005	2.6	24
367	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
366	Scenario development for DIII operation at JET. <i>Nuclear Fusion</i> , 2019 , 59, 076037	3.3	23
365	Adaptive predictors based on probabilistic SVM for real time disruption mitigation on JET. <i>Nuclear Fusion</i> , 2018 , 58, 056002	3.3	23
364	Fast ion energy distribution from third harmonic radio frequency heating measured with a single crystal diamond detector at the Joint European Torus. <i>Review of Scientific Instruments</i> , 2015 , 86, 103501 ¹⁻⁷		23
363	Plasma confinement at JET. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 014034	2	23
362	Performance of the prototype LaBr spectrometer developed for the JET gamma-ray camera upgrade. <i>Review of Scientific Instruments</i> , 2016 , 87, 11E717	1.7	23
361	Ion cyclotron resonance heating for tungsten control in various JET H-mode scenarios. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 055001	2	22
360	Deep learning for plasma tomography using the bolometer system at JET. <i>Fusion Engineering and Design</i> , 2017 , 114, 18-25	1.7	22

359	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
358	Studies of the pedestal structure and inter-ELM pedestal evolution in JET with the ITER-like wall. <i>Nuclear Fusion</i> , 2017 , 57, 116012	3.3	22
357	Challenges in the extrapolation from DD to DT plasmas: experimental analysis and theory based predictions for JET-DT. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 014023	2	22
356	Erosion and deposition in the JET divertor during the second ITER-like wall campaign. <i>Physica Scripta</i> , 2017 , T170, 014058	2.6	22
355	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	1.7	22
354	Fast H isotope and impurity mixing in ion-temperature-gradient turbulence. <i>Nuclear Fusion</i> , 2018 , 58, 076028	3.3	22
353	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
352	Assessment of SOLPS5.0 divertor solutions with drifts and currents against L-mode experiments in ASDEX Upgrade and JET. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 035003	2	21
351	Velocity-space sensitivities of neutron emission spectrometers at the tokamaks JET and ASDEX Upgrade in deuterium plasmas. <i>Review of Scientific Instruments</i> , 2017 , 88, 073506	1.7	21
350	Fast-ion energy resolution by one-step reaction gamma-ray spectrometry. <i>Nuclear Fusion</i> , 2016 , 56, 046009	3.3	21
349	Experience on divertor fuel retention after two ITER-Like Wall campaigns. <i>Physica Scripta</i> , 2017 , T170, 014063	2.6	21
348	An Analytical Expression for the Electric Field and Particle Tracing in Modelling of Be Erosion Experiments at the JET ITER-like Wall. <i>Contributions To Plasma Physics</i> , 2016 , 56, 640-645	1.4	21
347	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
346	Recent progress in the quantitative validation of JOEKE simulations of ELMs in JET. <i>Nuclear Fusion</i> , 2017 , 57, 076006	3.3	20
345	Fuel inventory and deposition in castellated structures in JET-ILW. <i>Nuclear Fusion</i> , 2017 , 57, 066027	3.3	20
344	Scenario development for the observation of alpha-driven instabilities in JET DT plasmas. <i>Nuclear Fusion</i> , 2018 , 58, 082005	3.3	20
343	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
342	Test particles dynamics in the JOEKE 3D non-linear MHD code and application to electron transport in a disruption simulation. <i>Nuclear Fusion</i> , 2018 , 58, 016043	3.3	20

341	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
340	Dimensionless scalings of confinement, heat transport and pedestal stability in JET-ILW and comparison with JET-C. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 014014	2	20
339	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
338	Long-term fuel retention and release in JET ITER-Like Wall at ITER-relevant baking temperatures. <i>Nuclear Fusion</i> , 2017 , 57, 086024	3.3	19
337	Dynamics and stability of divertor detachment in H-mode plasmas on JET. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 095003	2	19
336	Current Research into Applications of Tomography for Fusion Diagnostics. <i>Journal of Fusion Energy</i> , 2019 , 38, 458-466	1.6	19
335	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
334	Deuterium trapping and release in JET ITER-like wall divertor tiles. <i>Physica Scripta</i> , 2016 , T167, 014074	2.6	18
333	Impact of divertor geometry on H-mode confinement in the JET metallic wall. <i>Nuclear Fusion</i> , 2017 , 57, 086025	3.3	18
332	Overview of JET results. <i>Nuclear Fusion</i> , 2011 , 51, 094008	3.3	18
331	Solid state ¹⁵ N and ¹³ C NMR study of dioxomolybdenum (VI) complexes of Schiff bases derived from trans-1,2-cyclohexanediamine. <i>Journal of Molecular Structure</i> , 2004 , 700, 61-65	3.4	18
330	Experimental investigation of geodesic acoustic modes on JET using Doppler backscattering. <i>Nuclear Fusion</i> , 2016 , 56, 106026	3.3	18
329	Asymmetric toroidal eddy currents (ATEC) to explain sideways forces at JET. <i>Nuclear Fusion</i> , 2016 , 56, 106010	3.3	18
328	Runaway electron beam control. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 014036	2	18
327	Impact of divertor geometry on radiative divertor performance in JET H-mode plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 045011	2	17
326	Experience of handling beryllium, tritium and activated components from JET ITER like wall. <i>Physica Scripta</i> , 2016 , T167, 014057	2.6	17
325	Neutronics experiments and analyses in preparation of DT operations at JET. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 895-905	1.7	17
324	Non-linear MHD simulations of ELMs in JET and quantitative comparisons to experiments. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 014026	2	17

323	Modelling of transitions between L- and H-mode in JET high plasma current plasmas and application to ITER scenarios including tungsten behaviour. <i>Nuclear Fusion</i> , 2017 , 57, 086023	3.3	17
322	Invited Article: A novel calibration method for the JET real-time far infrared polarimeter and integration of polarimetry-based line-integrated density measurements for machine protection of a fusion plant. <i>Review of Scientific Instruments</i> , 2015 , 86, 091301	1.7	17
321	Incorporation of optically active erbium into GaAs using the novel precursor tris(3,5-di-tert-butylpyrazolato)bis(4-tert-butylpyridine)erbium. <i>Journal of Applied Physics</i> , 1999 , 85, 1825-1831	2.5	17
320	The neutron deficit in the JET tokamak. <i>Nuclear Fusion</i> , 2017 , 57, 076029	3.3	17
319	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
318	ITER oriented neutronics benchmark experiments on neutron streaming and shutdown dose rate at JET. <i>Fusion Engineering and Design</i> , 2017 , 123, 171-176	1.7	16
317	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
316	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
315	Integrated modelling of H-mode pedestal and confinement in JET-ILW. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 014042	2	16
314	Sawtooth pacing with on-axis ICRH modulation in JET-ILW. <i>Nuclear Fusion</i> , 2017 , 57, 036027	3.3	16
313	Axisymmetric oscillations at L-H transitions in JET: M-mode. <i>Nuclear Fusion</i> , 2017 , 57, 022021	3.3	16
312	First ERO2.0 modeling of Be erosion and non-local transport in JET ITER-like wall. <i>Physica Scripta</i> , 2017 , T170, 014018	2.6	16
311	Determination of tungsten and molybdenum concentrations from an x-ray range spectrum in JET with the ITER-like wall configuration. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015 , 48, 144023	1.3	16
310	Characterisation of the deuterium recycling at the W divertor target plates in JET during steady-state plasma conditions and ELMs. <i>Physica Scripta</i> , 2016 , T167, 014076	2.6	16
309	High performance detectors for upgraded gamma ray diagnostics for JET DT campaigns. <i>Physica Scripta</i> , 2016 , 91, 064003	2.6	16
308	Equilibrium reconstruction at JET using Stokes model for polarimetry. <i>Nuclear Fusion</i> , 2018 , 58, 106032	3.3	16
307	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
306	Non-Maxwellian fast particle effects in gyrokinetic GENE simulations. <i>Physics of Plasmas</i> , 2018 , 25, 042304	2.1	15

305	Full-Pulse Tomographic Reconstruction with Deep Neural Networks. <i>Fusion Science and Technology</i> , 2018 , 74, 47-56	1.1	15
304	Transient induced tungsten melting at the Joint European Torus (JET). <i>Physica Scripta</i> , 2017 , T170, 014013	3.3	15
303	Fine metal dust particles on the wall probes from JET-ILW. <i>Physica Scripta</i> , 2017 , T170, 014038	2.6	15
302	L to H mode transition: parametric dependencies of the temperature threshold. <i>Nuclear Fusion</i> , 2015 , 55, 073015	3.3	15
301	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
300	Assessment of the baseline scenario at $q_{95} \sim 3$ for ITER. <i>Nuclear Fusion</i> , 2018 , 58, 126010	3.3	15
299	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
298	Micro-/nano-characterization of the surface structures on the divertor tiles from JET ITER-like wall. <i>Fusion Engineering and Design</i> , 2017 , 116, 1-4	1.7	14
297	Global and pedestal confinement and pedestal structure in dimensionless collisionality scans of low-triangularity H-mode plasmas in JET-ILW. <i>Nuclear Fusion</i> , 2017 , 57, 016012	3.3	14
296	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
295	Application of Gaussian process regression to plasma turbulent transport model validation via integrated modelling. <i>Nuclear Fusion</i> , 2019 , 59, 056007	3.3	14
294	Experimental evaluation of stable long term operation of semiconductor magnetic sensors at ITER relevant environment. <i>Nuclear Fusion</i> , 2015 , 55, 083006	3.3	14
293	Calibration of neutron detectors on the Joint European Torus. <i>Review of Scientific Instruments</i> , 2017 , 88, 103505	1.7	14
292	High fusion performance at highTi/Tein JET-ILW baseline plasmas with high NBI heating power and low gas puffing. <i>Nuclear Fusion</i> , 2018 , 58, 036020	3.3	14
291	Improved ERO modelling for spectroscopy of physically and chemically assisted eroded beryllium from the JET-ILW. <i>Nuclear Materials and Energy</i> , 2016 , 9, 604-609	2.1	14
290	The role and application of ion beam analysis for studies of plasma-facing components in controlled fusion devices. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016 , 371, 4-11	1.2	14
289	Application of transfer entropy to causality detection and synchronization experiments in tokamaks. <i>Nuclear Fusion</i> , 2016 , 56, 026006	3.3	14
288	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

287	First principle integrated modeling of multi-channel transport including Tungsten in JET. <i>Nuclear Fusion</i> , 2018 , 58, 096003	3.3	14
286	Impact of toroidal and poloidal mode spectra on the control of non-axisymmetric fields in tokamaks. <i>Physics of Plasmas</i> , 2017 , 24, 056117	2.1	14
285	Radiation asymmetries during the thermal quench of massive gas injection disruptions in JET. <i>Nuclear Fusion</i> , 2015 , 55, 123027	3.3	14
284	Nitrogen retention mechanisms in tokamaks with beryllium and tungsten plasma-facing surfaces. <i>Physica Scripta</i> , 2016 , T167, 014077	2.6	14
283	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
282	Observation of enhanced ion particle transport in mixed H/D isotope plasmas on JET. <i>Nuclear Fusion</i> , 2018 , 58, 076022	3.3	14
281	Energy balance in JET. <i>Nuclear Materials and Energy</i> , 2017 , 12, 227-233	2.1	13
280	Plasma edge and plasma-wall interaction modelling: Lessons learned from metallic devices. <i>Nuclear Materials and Energy</i> , 2017 , 12, 3-17	2.1	13
279	Simulation of neutral gas flow in the JET sub-divertor. <i>Fusion Engineering and Design</i> , 2017 , 121, 13-21	1.7	13
278	A multi-machine scaling of halo current rotation. <i>Nuclear Fusion</i> , 2018 , 58, 016050	3.3	13
277	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
276	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
275	Electron acceleration in a JET disruption simulation. <i>Nuclear Fusion</i> , 2018 , 58, 106022	3.3	13
274	Investigation and plasma cleaning of first mirrors coated with relevant ITER contaminants: beryllium and tungsten. <i>Nuclear Fusion</i> , 2017 , 57, 086019	3.3	13
273	Benchmarking the GENE and GYRO codes through the relative roles of electromagnetic and E × B stabilization in JET high-performance discharges. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 125018	2	13
272	Deep deuterium retention and Be/W mixing at tungsten coated surfaces in the JET divertor. <i>Physica Scripta</i> , 2016 , T167, 014061	2.6	13
271	Neutron emission spectroscopy of DT plasmas at enhanced energy resolution with diamond detectors. <i>Review of Scientific Instruments</i> , 2016 , 87, 11D822	1.7	13
270	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

269	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
268	Structure, tritium depth profile and desorption from plasma-facing beryllium materials of ITER-Like-Wall at JET. <i>Nuclear Materials and Energy</i> , 2017 , 12, 642-647	2.1	12
267	Radiation damage and nuclear heating studies in selected functional materials during the JET DT campaign. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 1011-1015	1.7	12
266	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
265	Isotope identity experiments in JET-ILW with H and D L-mode plasmas. <i>Nuclear Fusion</i> , 2019 , 59, 076028	3.3	12
264	Gyrokinetic study of turbulence suppression in a JET-ILW power scan. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 115005	2	12
263	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	1.7	12
262	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
261	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
260	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
259	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
258	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
257	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
256	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
255	Neutron streaming along ducts and labyrinths at the JET biological shielding: Effect of concrete composition. <i>Radiation Physics and Chemistry</i> , 2015 , 116, 359-364	2.5	11
254	Diagnostic application of magnetic islands rotation in JET. <i>Nuclear Fusion</i> , 2016 , 56, 076004	3.3	11
253	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
252	Technical preparations for the in-vessel 14 MeV neutron calibration at JET. <i>Fusion Engineering and Design</i> , 2017 , 117, 107-114	1.7	10

251	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
250	Versatile fusion source integrator AFSI for fast ion and neutron studies in fusion devices. <i>Nuclear Fusion</i> , 2018 , 58, 016023	3.3	10
249	High-resolution tungsten spectroscopy relevant to the diagnostic of high-temperature tokamak plasmas. <i>Physical Review A</i> , 2018 , 97,	2.6	10
248	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
247	JET experiments with tritium and deuterium-tritium mixtures. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 925-936	1.7	10
246	14 MeV calibration of JET neutron detectors phase 2: in-vessel calibration. <i>Nuclear Fusion</i> , 2018 , 58, 106016	3.3	10
245	Measuring fast ions in fusion plasmas with neutron diagnostics at JET. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 014027	2	10
244	Erosion at the inner wall of JET during the discharge campaign 2013-2014. <i>Nuclear Materials and Energy</i> , 2017 , 11, 20-24	2.1	10
243	Deuterium retention in the divertor tiles of JET ITER-Like wall. <i>Nuclear Materials and Energy</i> , 2017 , 12, 655-661	2.1	10
242	An analytical expression for ion velocities at the wall including the sheath electric field and surface biasing for erosion modeling at JET ILW. <i>Nuclear Materials and Energy</i> , 2017 , 12, 341-345	2.1	10
241	Analyses of microstructure, composition and retention of hydrogen isotopes in divertor tiles of JET with the ITER-like wall. <i>Physica Scripta</i> , 2017 , T170, 014031	2.6	10
240	On the interpretation of high-resolution x-ray spectra from JET with an ITER-like wall. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015 , 48, 144028	1.3	10
239	Pedestal evolution physics in low triangularity JET tokamak discharges with ITER-like wall. <i>Nuclear Fusion</i> , 2018 , 58, 016021	3.3	10
238	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
237	Dependence of the turbulent particle flux on hydrogen isotopes induced by collisionality. <i>Physics of Plasmas</i> , 2018 , 25, 082517	2.1	10
236	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
235	First principles of modelling the stabilization of microturbulence by fast ions. <i>Nuclear Fusion</i> , 2018 , 58, 082024	3.3	10
234	Impact of electron-scale turbulence and multi-scale interactions in the JET tokamak. <i>Nuclear Fusion</i> , 2018 , 58, 124003	3.3	10

233	High power neon seeded JET discharges: Experiments and simulations. <i>Nuclear Materials and Energy</i> , 2017 , 12, 882-886	2.1	9
232	Upgrade of the tangential gamma-ray spectrometer beam-line for JET DT experiments. <i>Fusion Engineering and Design</i> , 2017 , 123, 749-753	1.7	9
231	Status of ITER material activation experiments at JET. <i>Fusion Engineering and Design</i> , 2017 , 124, 1150-1155	1.5	9
230	A tool to support the construction of reliable disruption databases. <i>Fusion Engineering and Design</i> , 2017 , 125, 139-153	1.7	9
229	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
228	Fast ion synergistic effects in JET high performance pulses. <i>Nuclear Fusion</i> , 2019 , 59, 056005	3.3	9
227	Polarization properties of a metal corner-cube retroreflector. <i>Fusion Engineering and Design</i> , 2015 , 96-97, 729-732	1.7	9
226	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
225	Tritium distributions on tungsten and carbon tiles used in the JET divertor. <i>Physica Scripta</i> , 2016 , T167, 014009	2.6	9
224	Studies of Be migration in the JET tokamak using AMS with ^{10}Be marker. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016 , 371, 370-375	1.2	9
223	Deposition in the inner and outer corners of the JET divertor with carbon wall and metallic ITER-like wall. <i>Physica Scripta</i> , 2016 , T167, 014052	2.6	9
222	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
221	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
220	Activation measurements in support of the 14 MeV neutron calibration of JET neutron monitors. <i>Fusion Engineering and Design</i> , 2017 , 125, 50-56	1.7	9
219	Axisymmetric global Alfvén eigenmodes within the ellipticity-induced frequency gap in the Joint European Torus. <i>Physics of Plasmas</i> , 2017 , 24, 122505	2.1	9
218	Bayesian electron density inference from JET lithium beam emission spectra using Gaussian processes. <i>Nuclear Fusion</i> , 2017 , 57, 036017	3.3	9
217	Comparison of JET AVDE disruption data with M3D simulations and implications for ITER. <i>Physics of Plasmas</i> , 2017 , 24, 102512	2.1	9
216	Gyrokinetic modeling of impurity peaking in JET H-mode plasmas. <i>Physics of Plasmas</i> , 2017 , 24, 062511	2.1	9

215	Advanced design of the Mechanical Tritium Pumping System for JET DTE2. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 359-364	1.7	9
214	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
213	On the Use of Transfer Entropy to Investigate the Time Horizon of Causal Influences between Signals. <i>Entropy</i> , 2018 , 20,	2.8	9
212	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
211	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
210	Hardware architecture of the data acquisition and processing system for the JET Neutron Camera Upgrade (NCU) project. <i>Fusion Engineering and Design</i> , 2017 , 123, 873-876	1.7	8
209	The effect of the isotope on the H-mode density limit. <i>Nuclear Fusion</i> , 2017 , 57, 086007	3.3	8
208	3D simulations of gas puff effects on edge plasma and ICRF coupling in JET. <i>Nuclear Fusion</i> , 2017 , 57, 056042	3.3	8
207	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
206	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
205	Plasma isotopic changeover experiments in JET under carbon and ITER-like wall conditions. <i>Nuclear Fusion</i> , 2015 , 55, 043021	3.3	8
204	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
203	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
202	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. <i>Fusion Engineering and Design</i> , 2016 , 106, 93-98	1.7	8
201	Raman microscopy investigation of beryllium materials. <i>Physica Scripta</i> , 2016 , T167, 014027	2.6	8
200	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
199	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
198	Calibration procedure for plasma polarimetry based on the complex amplitude ratio measurements. <i>Fusion Engineering and Design</i> , 2013 , 88, 1452-1454	1.7	8

197	Surface composition and structure of divertor tiles following the JET tokamak operation with the ITER-like wall. <i>Nuclear Fusion</i> , 2017 , 57, 076027	3.3	8
196	Response of the imaging cameras to hard radiation during JET operation. <i>Fusion Engineering and Design</i> , 2017 , 123, 669-673	1.7	8
195	Characterization of a compact LaBr ₃ (Ce) detector with Silicon photomultipliers at high 14 MeV neutron fluxes. <i>Journal of Instrumentation</i> , 2017 , 12, C10007-C10007	1	8
194	Statistical validation of predictive TRANSP simulations of baseline discharges in preparation for extrapolation to JET DIII. <i>Nuclear Fusion</i> , 2017 , 57, 066032	3.3	8
193	Metallic mirrors for plasma diagnosis in current and future reactors: tests for ITER and DEMO. <i>Physica Scripta</i> , 2017 , T170, 014061	2.6	8
192	An FPGA-based bolometer for the MAST-U Super-X divertor. <i>Review of Scientific Instruments</i> , 2016 , 87, 11E721	1.7	8
191	Bayesian modelling of the emission spectrum of the Joint European Torus Lithium Beam Emission Spectroscopy system. <i>Review of Scientific Instruments</i> , 2016 , 87, 023501	1.7	8
190	How to assess the efficiency of synchronization experiments in tokamaks. <i>Nuclear Fusion</i> , 2016 , 56, 076008	3.3	8
189	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
188	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
187	Equilibrium reconstruction in an iron core tokamak using a deterministic magnetisation model. <i>Computer Physics Communications</i> , 2018 , 223, 1-17	4.2	8
186	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
185	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
184	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
183	The emissivity of W coatings deposited on carbon materials for fusion applications. <i>Fusion Engineering and Design</i> , 2017 , 114, 192-195	1.7	7
182	Comparative H-mode density limit studies in JET and AUG. <i>Nuclear Materials and Energy</i> , 2017 , 12, 100-110	1.7	7
181	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
180	Diagnostic of fast-ion energy spectra and densities in magnetized plasmas. <i>Journal of Instrumentation</i> , 2019 , 14, C05019-C05019	1	7

179	ERO modeling and sensitivity analysis of locally enhanced beryllium erosion by magnetically connected antennas. <i>Nuclear Fusion</i> , 2018 , 58, 016046	3.3	7
178	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
177	Real-time control of ELM and sawtooth frequencies: similarities and differences. <i>Nuclear Fusion</i> , 2016 , 56, 016008	3.3	7
176	Precise, semi-empirical equation for the work function. <i>Applied Surface Science</i> , 2018 , 461, 83-87	6.7	7
175	Real time control developments at JET in preparation for deuterium-tritium operation. <i>Fusion Engineering and Design</i> , 2017 , 123, 535-540	1.7	7
174	The near infrared imaging system for the real-time protection of the JET ITER-like wall. <i>Physica Scripta</i> , 2017 , T170, 014027	2.6	7
173	Mitigation of divertor heat loads by strike point sweeping in high power JET discharges. <i>Physica Scripta</i> , 2017 , T170, 014040	2.6	7
172	Trapped electron mode driven electron heat transport in JET: experimental investigation and gyro-kinetic theory validation. <i>Nuclear Fusion</i> , 2015 , 55, 113016	3.3	7
171	Extending helium partial pressure measurement technology to JET DTE2 and ITER. <i>Review of Scientific Instruments</i> , 2016 , 87, 11D442	1.7	7
170	Neutron emission spectroscopy of D plasmas at JET with a compact liquid scintillating neutron spectrometer. <i>Review of Scientific Instruments</i> , 2018 , 89, 10I113	1.7	7
169	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
168	The effect of lower hybrid waves on JET plasma rotation. <i>Nuclear Fusion</i> , 2017 , 57, 034002	3.3	6
167	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
166	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
165	Turbulent transport analysis of JET H-mode and hybrid plasmas using QuaLiKiz and Trapped Gyro Landau Fluid. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 035003	2	6
164	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
163	MHD spectroscopy of JET plasmas with pellets via Alfvén eigenmodes. <i>Nuclear Fusion</i> , 2018 , 58, 082008	3.3	6
162	Light impurity transport in JET ILW L-mode plasmas. <i>Nuclear Fusion</i> , 2018 , 58, 036009	3.3	6

161	In situ wavelength calibration of the edge CXS spectrometers on JET. <i>Review of Scientific Instruments</i> , 2016 , 87, 11E525	1.7	6
160	JET experience on managing radioactive waste and implications for ITER. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 979-985	1.7	6
159	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
158	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
157	The isotope effect on divertor conditions and neutral pumping in horizontal divertor configurations in JET-ILW Ohmic plasmas. <i>Nuclear Materials and Energy</i> , 2017 , 12, 791-797	2.1	6
156	Analysis of activation and damage of ITER material samples expected from DD/DT campaign at JET. <i>Fusion Engineering and Design</i> , 2017 , 125, 307-313	1.7	6
155	Synthetic neutron camera and spectrometer in JET based on AFSI-ASCOT simulations. <i>Journal of Instrumentation</i> , 2017 , 12, C09010-C09010	1	6
154	ITER-like antenna capacitors voltage probes: Circuit/electromagnetic calculations and calibrations. <i>Review of Scientific Instruments</i> , 2016 , 87, 104705	1.7	6
153	Improved neutron activation dosimetry for fusion. <i>Fusion Engineering and Design</i> , 2019 , 139, 109-114	1.7	6
152	On the universality of power laws for tokamak plasma predictions. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 025028	2	6
151	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
150	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
149	Commissioning and first results of the reinstated JET ICRF ILA. <i>Fusion Engineering and Design</i> , 2017 , 123, 285-288	1.7	5
148	The preparation of the Shutdown Dose Rate experiment for the next JET Deuterium-Tritium campaign. <i>Fusion Engineering and Design</i> , 2017 , 123, 1039-1043	1.7	5
147	Expanding the role of impurity spectroscopy for investigating the physics of high-Z dissipative divertors. <i>Nuclear Materials and Energy</i> , 2017 , 12, 91-99	2.1	5
146	Main chamber wall plasma loads in JET-ITER-like wall at high radiated fraction. <i>Nuclear Materials and Energy</i> , 2017 , 12, 234-240	2.1	5
145	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
144	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

143	Integrated core SOL divertor modelling for ITER including impurity: effect of tungsten on fusion performance in H-mode and hybrid scenario. <i>Nuclear Fusion</i> , 2015 , 55, 053032	3.3	5
142	Self-consistent coupling of DSMC method and SOLPS code for modeling tokamak particle exhaust. <i>Nuclear Fusion</i> , 2017 , 57, 066037	3.3	5
141	Testing of tritium breeder blanket activation foil spectrometer during JET operations. <i>Fusion Engineering and Design</i> , 2018 , 136, 258-264	1.7	5
140	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
139	TAE stability calculations compared to TAE antenna results in JET. <i>Nuclear Fusion</i> , 2018 , 58, 082007	3.3	5
138	Evaluation of reconstruction errors and identification of artefacts for JET gamma and neutron tomography. <i>Review of Scientific Instruments</i> , 2016 , 87, 013502	1.7	5
137	COREDIV and SOLPS Numerical Simulations of the Nitrogen Seeded JET ILW L-mode Discharges. <i>Contributions To Plasma Physics</i> , 2016 , 56, 760-765	1.4	5
136	Global optimization driven by genetic algorithms for disruption predictors based on APODIS architecture. <i>Fusion Engineering and Design</i> , 2016 , 112, 1014-1018	1.7	5
135	Investigation on the erosion/deposition processes in the ITER-like wall divertor at JET using glow discharge optical emission spectrometry technique. <i>Physica Scripta</i> , 2016 , T167, 014049	2.6	5
134	Advances in understanding and utilising ELM control in JET. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 014017	2	5
133	Scaling of the geodesic acoustic mode amplitude on JET. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 085006	2	5
132	On efficiency and interpretation of sawteeth pacing with on-axis ICRH modulation in JET. <i>Nuclear Fusion</i> , 2017 , 57, 126057	3.3	5
131	Evaluation of the plasma hydrogen isotope content by residual gas analysis at JET and AUG. <i>Physica Scripta</i> , 2017 , T170, 014021	2.6	5
130	Numerical analysis of ELM stability with rotation and ion diamagnetic drift effects in JET. <i>Nuclear Fusion</i> , 2017 , 57, 126001	3.3	5
129	Simulation of JET ITER-Like Wall pulses at high neon seeding rate. <i>Nuclear Fusion</i> , 2017 , 57, 126021	3.3	5
128	Impurity re-distribution in the corner regions of the JET divertor. <i>Physica Scripta</i> , 2017 , T170, 014060	2.6	5
127	Role of structural factors of antitumour anthraquinone derivatives and analogues in the ability to undergo bioreductive activation by NADPH cytochrome P450 reductase: implications for increasing the activity against sensitive and multidrug-resistant leukaemia HL60 cells. <i>Anti-Cancer Drugs</i> , 2012 , 23, 393-405	2.4	5
126	Deep Levels in Cd _{0.99} Mn _{0.01} Te:Ga. <i>Materials Science Forum</i> , 1997 , 258-263, 1413-1418	0.4	5

125	Intrinsic and oxygen-related deep level defects in In _{0.5} (Al _x Ga _{1-x}) _{0.5} P grown by metal-organic vapor phase epitaxy. <i>Journal of Crystal Growth</i> , 1998 , 195, 63-68	1.6	5
124	Edge profile analysis of Joint European Torus (JET) Thomson scattering data: Quantifying the systematic error due to edge localised mode synchronisation. <i>Review of Scientific Instruments</i> , 2016 , 87, 013507	1.7	5
123	JET diagnostic enhancements in preparation for DT operations. <i>Review of Scientific Instruments</i> , 2016 , 87, 11D443	1.7	5
122	Comparison of dust transport modelling codes in a tokamak plasma. <i>Physics of Plasmas</i> , 2016 , 23, 102506.1	2.1	5
121	JET diagnostic enhancements testing and commissioning in preparation for DT scientific campaigns. <i>Review of Scientific Instruments</i> , 2018 , 89, 10K119	1.7	5
120	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
119	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
118	Analysis of plasma termination in the JET hybrid scenario. <i>Nuclear Fusion</i> , 2018 , 58, 076027	3.3	5
117	Hybrid cancellation of ripple disturbances arising in AC/DC converters. <i>Automatica</i> , 2017 , 77, 344-352	5.7	4
116	Generation of the neutron response function of an NE213 scintillator for fusion applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 866, 222-229	1.2	4
115	Impact of the JET ITER-like wall on H-mode plasma fueling. <i>Nuclear Fusion</i> , 2017 , 57, 066024	3.3	4
114	Determining the prediction limits of models and classifiers with applications for disruption prediction in JET. <i>Nuclear Fusion</i> , 2017 , 57, 016024	3.3	4
113	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
112	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
111	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
110	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> , 2018 , 136, 199-204	1.7	4
109	Control and data acquisition software upgrade for JET gamma-ray diagnostics. <i>Fusion Engineering and Design</i> , 2018 , 128, 117-121	1.7	4
108	Sparse representation of signals: from astrophysics to real-time data analysis for fusion plasmas and system optimization analysis for ITER and TCV. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 123001	2	4

107	Plasma turbulence measured with fast frequency swept reflectometry in JET H-mode plasmas. <i>Nuclear Fusion</i> , 2016 , 56, 126019	3.3	4
106	Stabilization of sawteeth with third harmonic deuterium ICRF-accelerated beam in JET plasmas. <i>Physics of Plasmas</i> , 2016 , 23, 012505	2.1	4
105	The merits of ion cyclotron resonance heating schemes for sawtooth control in tokamak plasmas. <i>Journal of Plasma Physics</i> , 2015 , 81,	2.7	4
104	The role of bioreductive activation of antitumour anthracycline drugs in cytotoxic activity against sensitive and multidrug resistant leukaemia HL60 cells. <i>European Journal of Pharmacology</i> , 2012 , 674, 112-25	5.3	4
103	Two approaches to plasma polarimetry: Angular variables technique and Stokes vector formalism. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 720, 157-159	1.2	4
102	Quartz micro-balance results of pulse-resolved erosion/deposition in the JET-ILW divertor. <i>Nuclear Materials and Energy</i> , 2017 , 12, 478-482	2.1	4
101	Development of MPPC-based detectors for high count rate DT campaigns at JET. <i>Fusion Engineering and Design</i> , 2017 , 123, 940-944	1.7	4
100	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, 072506	2.1	4
99	Conceptual Design of the Mechanical Tritium Pumping System for JET DTE2. <i>Fusion Science and Technology</i> , 2015 , 68, 630-634	1.1	4
98	Evolution of complex amplitudes ratio in weakly anisotropic plasma. <i>Journal of Plasma Physics</i> , 2010 , 76, 795-807	2.7	4
97	Tritium analysis of divertor tiles used in JET ITER-like wall campaigns by means of β -ray induced x-ray spectrometry. <i>Physica Scripta</i> , 2017 , T170, 014014	2.6	4
96	Study of the triton-burnup process in different JET scenarios using neutron monitor based on CVD diamond. <i>Review of Scientific Instruments</i> , 2016 , 87, 11D835	1.7	4
95	Core fusion power gain and alpha heating in JET, TFTR, and ITER. <i>Nuclear Fusion</i> , 2016 , 56, 056002	3.3	4
94	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	2	4
93	Neutronic analysis of JET external neutron monitor response. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 99-103	1.7	4
92	Long-lived coupled peeling ballooning modes preceding ELMs on JET. <i>Nuclear Fusion</i> , 2019 , 59, 056004	3.3	4
91	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
90	Instrumentation for the upgrade to the JET core charge-exchange spectrometers. <i>Review of Scientific Instruments</i> , 2018 , 89, 10D113	1.7	4

89	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
88	Calculation of the profile-dependent neutron backscatter matrix for the JET neutron camera system. <i>Fusion Engineering and Design</i> , 2017 , 123, 865-868	1.7	3
87	CeBr3Based detector for gamma-ray spectrometer upgrade at JET. <i>Fusion Engineering and Design</i> , 2017 , 123, 986-989	1.7	3
86	Be ITER-like wall at the JET tokamak under plasma. <i>Physica Scripta</i> , 2017 , T170, 014049	2.6	3
85	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
84	Evidence of $^9\text{Be} + \text{p}$ nuclear reactions during 2H and hydrogen minority ICRH in JET-ILW hydrogen and deuterium plasmas. <i>Nuclear Fusion</i> , 2018 , 58, 026033	3.3	3
83	A prototype fully digital data acquisition system upgrade for the TOFOR neutron spectrometer at JET. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 833, 94-104	1.2	3
82	Modelling of the JET DT Experiments in Carbon and ITER-like Wall Configurations. <i>Contributions To Plasma Physics</i> , 2016 , 56, 766-771	1.4	3
81	Risk Mitigation for ITER by a Prolonged and Joint International Operation of JET. <i>Journal of Fusion Energy</i> , 2016 , 35, 85-93	1.6	3
80	EDGE2D-EIRENE simulations of the impact of poloidal flux expansion on the radiative divertor performance in JET. <i>Nuclear Materials and Energy</i> , 2017 , 12, 786-790	2.1	3
79	Intra-ELM tungsten sputtering in JET ITER-like wall: analytical studies of Be impurity and ELM type influence. <i>Physica Scripta</i> , 2017 , T170, 014065	2.6	3
78	Synthetic NPA diagnostic for energetic particles in JET plasmas. <i>Journal of Instrumentation</i> , 2017 , 12, C11025-C11025	1	3
77	Main Physical Factors Limiting the Accuracy of Polarimetric Measurements in Tokamak Plasma. <i>Physics Procedia</i> , 2015 , 62, 107-112		3
76	Gaussian beam diffraction in weakly anisotropic inhomogeneous media. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 2979-2983	2.3	3
75	New technique in plasma polarimetry: Evolution equations for angular parameters Δ amplitude ratio Δ phase difference Δ of polarization ellipse. <i>Journal of Plasma Physics</i> , 2012 , 78, 87-91	2.7	3
74	Polarization properties of a cube-corner retroreflector with complex reflection coefficient 2008 ,		3
73	Basic Theoretical Methods in Microwave Plasma Polarimetry: Quasi-Isotropic Approximation, Stokes Vector Formalism and Complex Polarization Angle Method. <i>AIP Conference Proceedings</i> , 2008 ,	0	3
72	A classification scheme for edge-localized modes based on their probability distributions. <i>Review of Scientific Instruments</i> , 2016 , 87, 11D404	1.7	3

71	Numerical calculations of non-inductive current driven by microwaves in JET. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 125001	2	3
70	JET Tokamak, preparation of a safety case for tritium operations. <i>Fusion Engineering and Design</i> , 2016 , 109-111, 1308-1312	1.7	3
69	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
68	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
67	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
66	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
65	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
64	Electron chemical potential in the context of unconventional quantum model. <i>Applied Surface Science</i> , 2018 , 461, 78-82	6.7	3
63	Correlation analysis for energy losses, waiting times and durations of type I edge-localized modes in the Joint European Torus. <i>Nuclear Fusion</i> , 2017 , 57, 036026	3.3	2
62	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
61	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
60	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
59	ICRH antennaS-matrix measurements and plasma coupling characterisation at JET. <i>Nuclear Fusion</i> , 2018 , 58, 046012	3.3	2
58	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
57	A generalized Abel inversion method for gamma-ray imaging of thermonuclear plasmas. <i>Journal of Instrumentation</i> , 2016 , 11, C03001-C03001	1	2
56	Modelling of plasma-edge and plasma-wall interaction physics at JET with the metallic first-wall. <i>Physica Scripta</i> , 2016 , T167, 014078	2.6	2
55	Towards self-consistent plasma modelisation in presence of neoclassical tearing mode and sawteeth: effects on transport coefficients. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 125012	2	2
54	The global build-up to intrinsic ELM bursts and comparison with pellet triggered ELMs seen in JET. <i>Nuclear Fusion</i> , 2017 , 57, 022017	3.3	2

53	A 3D electromagnetic model of the iron core in JET. <i>Fusion Engineering and Design</i> , 2017 , 123, 527-531	1.7	2
52	Dynamic power balance analysis in JET. <i>Physica Scripta</i> , 2017 , T170, 014035	2.6	2
51	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	2	2
50	Free boundary equilibrium in 3D tokamaks with toroidal rotation. <i>Nuclear Fusion</i> , 2015 , 55, 063032	3.3	2
49	Localized plasma polarimetry based on circular modes conversion: theoretical prerequisites and practical limitations. <i>Plasma Physics and Controlled Fusion</i> , 2010 , 52, 022001	2	2
48	Evolution of the polarization of electromagnetic waves in weakly anisotropic inhomogeneous media: a comparison of quasi-isotropic approximations of the geometrical optics method and the Stokes vector formalism. <i>Open Physics</i> , 2008 , 6,	1.3	2
47	Comparative gyrokinetic analysis of JET baseline H-mode core plasmas with carbon wall and ITER-like wall. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 045021	2	2
46	Ion temperature and toroidal rotation in JET's low torque plasmas. <i>Review of Scientific Instruments</i> , 2016 , 87, 11E557	1.7	2
45	The non-thermal origin of the tokamak low-density stability limit. <i>Nuclear Fusion</i> , 2016 , 56, 056010	3.3	2
44	Kinematic background discrimination methods using a fully digital data acquisition system for TOFOR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 838, 82-88	1.2	2
43	Radial variation of heat transport in L-mode JET discharges. <i>Nuclear Fusion</i> , 2019 , 59, 056006	3.3	2
42	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
41	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
40	Classification of ELM types in Joint European Torus based on global plasma parameters using discriminant analysis. <i>Fusion Engineering and Design</i> , 2017 , 123, 717-721	1.7	1
39	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
38	Comparative analysis of core heat transport of JET high density H-mode plasmas in carbon wall and ITER-like wall. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 065002	2	1
37	Divertor currents optimization procedure for JET-ILW high flux expansion experiments. <i>Fusion Engineering and Design</i> , 2018 , 129, 115-119	1.7	1
36	Escaping alpha-particle monitor for burning plasmas. <i>Nuclear Fusion</i> , 2018 , 58, 082009	3.3	1

35	X-ray micro-laminography for the ex situ analysis of W-CFC samples retrieved from JET ITER-like wall. <i>Physica Scripta</i> , 2016 , T167, 014050	2.6	1
34	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
33	Alpha heating, isotopic mass, and fast ion effects in deuterium-tritium experiments. <i>Nuclear Fusion</i> , 2018 , 58, 096011	3.3	1
32	Principle equivalence and practical difference between two approaches to plasma polarimetry: The Stokes vector formalism and the angular variables technique. <i>Fusion Engineering and Design</i> , 2013 , 88, 1449-1451	1.7	1
31	Influence of the geometry system on the effectiveness of polarimetric measurements in thermonuclear plasma diagnostics. <i>Fusion Engineering and Design</i> , 2017 , 123, 682-685	1.7	1
30	Gyrokinetic simulations of particle transport in pellet fuelled JET discharges. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 105005	2	1
29	Detection of Causal Relations in Time Series Affected by Noise in Tokamaks Using Geodesic Distance on Gaussian Manifolds. <i>Entropy</i> , 2017 , 19, 569	2.8	1
28	Quasi-Isotropic Approximation of Geometrical Optics Method as Adequate Electrodynamical Basis for Tokamak Plasma Polarimetry. <i>Physics Procedia</i> , 2015 , 62, 102-106		1
27	Robust regression with CUDA and its application to plasma reflectometry. <i>Review of Scientific Instruments</i> , 2015 , 86, 113507	1.7	1
26	Defect studies in Cd _{0.95} Mn _{0.05} Te:Ga by DLTS. <i>Journal of Crystal Growth</i> , 1999 , 197, 684-687	1.6	1
25	Influence of etching on the surface properties of Cd _{0.99} Mn _{0.01} Te gallium doped. <i>Vacuum</i> , 1995 , 46, 481-483	3.7	1
24	Influence of gallium doping on surface properties of Cd _{0.99} Mn _{0.01} Te. <i>Vacuum</i> , 1994 , 45, 171-173	3.7	1
23	Deep Level Transient Spectroscopy Studies of CdMnTe. <i>Acta Physica Polonica A</i> , 1995 , 87, 387-390	0.6	1
22	On determining the prediction limits of mathematical models for time series. <i>Journal of Instrumentation</i> , 2016 , 11, C07013-C07013	1	1
21	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
20	OVERVIEW OF NEUTRON MEASUREMENTS IN JET FUSION DEVICE. <i>Radiation Protection Dosimetry</i> , 2018 , 180, 102-108	0.9	1
19	Preparation for commissioning of materials decontamination facility at Culham Science Centre. <i>Fusion Engineering and Design</i> , 2018 , 136, 1391-1395	1.7	1
18	Energetic ion losses channeling mechanism and strategy for mitigation. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 084008	2	0

17	Modelling of JET DT experiments in ILW configurations. <i>Contributions To Plasma Physics</i> , 2018 , 58, 739-745	1.5	o
16	Thermo-mechanical properties of W/Mo markers coatings deposited on bulk W. <i>Physica Scripta</i> , 2016 , T167, 014028	2.6	o
15	Novel method for determination of tritium depth profiles in metallic samples. <i>Nuclear Fusion</i> , 2019 , 59, 106006	3.3	o
14	Thickness dependence of the work function in case of ultra-thin metallic layers. <i>Applied Surface Science</i> , 2021 , 540, 148363	6.7	o
13	Thermal analysis of protruding surfaces in the JET divertor. <i>Nuclear Fusion</i> , 2017 , 57, 066009	3.3	
12	Polarimetric laser beam diffraction in a tokamak plasma. <i>Fusion Engineering and Design</i> , 2019 , 146, 1011-1014	1.0	
11	Polarimetry data inversion in conditions of tokamak plasma: Model based tomography concept. <i>Fusion Engineering and Design</i> , 2015 , 96-97, 756-759	1.7	
10	First observation of the depolarization of Thomson scattering radiation by a fusion plasma. <i>Nuclear Fusion</i> , 2018 , 58, 044003	3.3	
9	Characteristics of pre-ELM structures during ELM control experiment on JET with $n = 2$ magnetic perturbations. <i>Nuclear Fusion</i> , 2016 , 56, 092011	3.3	
8	QUASI-ISOTROPIC APPROXIMATION OF GEOMETRICAL OPTICS METHOD WITH APPLICATIONS TO DENSE PLASMA POLARIMETRY. <i>Progress in Electromagnetics Research Letters</i> , 2012 , 33, 13-25	0.5	
7	Influence of temperature on surface potential barrier of Cd _{0.99} Mn _{0.01} Te:Ga. <i>Vacuum</i> , 1997 , 48, 265-267	3.7	
6	Electrical characterization of Au Schottky contact on n-type Cd _{0.99} Mn _{0.01} Te. <i>Vacuum</i> , 1995 , 46, 545-546	3.7	
5	Deep electron states in gallium-doped CdMnTe mixed crystals. <i>Journal of Crystal Growth</i> , 1996 , 161, 282-285	1.8	
4	Selective Photoconductivity in n-Type CdMnTe:Ga. <i>Solid State Phenomena</i> , 1996 , 51-52, 403-408	0.4	
3	Deep Levels in Cd _{0.99} Mn _{0.01} Te:Ga. <i>Acta Physica Polonica A</i> , 1998 , 94, 575-578	0.6	
2	Classification of JET Neutron and Gamma Emissivity Profiles. <i>Journal of Instrumentation</i> , 2016 , 11, C05021-C05021	2.1	
1	Propagating transport-code input parameter uncertainties with deterministic sampling. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 125010	2	