

Choong-Seock Chang

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648
papers

10,554
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45
h-index

66
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671
ext. papers

12,368
ext. citations

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avg, IF

6.14
L-index

#	Paper	IF	Citations
648	Effect of finite aspect ratio on the neoclassical ion thermal conductivity in the banana regime. <i>Physics of Fluids</i> , 1982 , 25, 1493		191
647	An atmospheric pressure plasma source. <i>Applied Physics Letters</i> , 2000 , 76, 288-290	3.4	181
646	Numerical study of neoclassical plasma pedestal in a tokamak geometry. <i>Physics of Plasmas</i> , 2004 , 11, 2649-2667	2.1	146
645	The KSTAR project: An advanced steady state superconducting tokamak experiment. <i>Nuclear Fusion</i> , 2000 , 40, 575-582	3.3	140
644	On the validity of the local diffusive paradigm in turbulent plasma transport. <i>Physical Review E</i> , 2010 , 82, 025401	2.4	134
643	Effect of impurity particles on the finite-aspect ratio neoclassical ion thermal conductivity in a tokamak. <i>Physics of Fluids</i> , 1986 , 29, 3314		132
642	Overview of the JET results in support to ITER. <i>Nuclear Fusion</i> , 2017 , 57, 102001	3.3	125
641	Design and construction of the KSTAR tokamak. <i>Nuclear Fusion</i> , 2001 , 41, 1515-1523	3.3	112
640	Central impurity toroidal rotation in ICRF heated Alcator C-Mod plasmas. <i>Nuclear Fusion</i> , 1999 , 39, 1175-1186	3.3	107
639	Full-f gyrokinetic particle simulation of centrally heated global ITG turbulence from magnetic axis to edge pedestal top in a realistic tokamak geometry. <i>Nuclear Fusion</i> , 2009 , 49, 115021	3.3	100
638	Gyrokinetic projection of the divertor heat-flux width from present tokamaks to ITER. <i>Nuclear Fusion</i> , 2017 , 57, 116023	3.3	84
637	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
636	Compressed ion temperature gradient turbulence in diverted tokamak edge(s). <i>Physics of Plasmas</i> , 2009 , 16, 056108	2.1	73
635	Review of deuterium-tritium results from the Tokamak Fusion Test Reactor. <i>Physics of Plasmas</i> , 1995 , 2, 2176-2188	2.1	73
634	An overview of intrinsic torque and momentum transport bifurcations in toroidal plasmas. <i>Nuclear Fusion</i> , 2013 , 53, 104019	3.3	72
633	Spontaneous rotation sources in a quiescent tokamak edge plasma. <i>Physics of Plasmas</i> , 2008 , 15, 062510	2.1	71
632	One-dimensional solution for electron heating in an inductively coupled plasma discharge. <i>Physical Review E</i> , 1996 , 54, 757-767	2.4	71

631	Experimental Validation of a Filament Transport Model in Turbulent Magnetized Plasmas. <i>Physical Review Letters</i> , 2015 , 115, 215002	7.4	70
630	Beryllium migration in JET ITER-like wall plasmas. <i>Nuclear Fusion</i> , 2015 , 55, 063021	3.3	70
629	X-transport: A baseline nonambipolar transport in a diverted tokamak plasma edge. <i>Physics of Plasmas</i> , 2002 , 9, 3884-3892	2.1	70
628	Pedestal confinement and stability in JET-ILW ELMy H-modes. <i>Nuclear Fusion</i> , 2015 , 55, 113031	3.3	69
627	Plasma transport in stochastic magnetic field caused by vacuum resonant magnetic perturbations at diverted tokamak edge. <i>Physics of Plasmas</i> , 2010 , 17, 102503	2.1	67
626	Quantum-Electrodynamical Theory of Atoms Interacting with High-Intensity Radiation Fields. <i>Physical Review A</i> , 1971 , 4, 641-661	2.6	67
625	Improved confinement in JET high-β plasmas with an ITER-like wall. <i>Nuclear Fusion</i> , 2015 , 55, 053031	3.3	63
624	A fast low-to-high confinement mode bifurcation dynamics in the boundary-plasma gyrokinetic code XGC1. <i>Physics of Plasmas</i> , 2018 , 25, 056107	2.1	63
623	Fast Low-to-High Confinement Mode Bifurcation Dynamics in a Tokamak Edge Plasma Gyrokinetic Simulation. <i>Physical Review Letters</i> , 2017 , 118, 175001	7.4	63
622	Isotope effects on L-H threshold and confinement in tokamak plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 014045	2	62
621	Si(111)-(sqrt 3). <i>Physical Review Letters</i> , 1988 , 60, 1739-1742	7.4	62
620	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
619	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
618	Overview of KSTAR initial operation. <i>Nuclear Fusion</i> , 2011 , 51, 094006	3.3	57
617	Overview of the JET preparation for deuterium-tritium operation with the ITER like-wall. <i>Nuclear Fusion</i> , 2019 , 59, 112021	3.3	55
616	WALLDYN simulations of global impurity migration in JET and extrapolations to ITER. <i>Nuclear Fusion</i> , 2015 , 55, 053015	3.3	55
615	WEST Physics Basis. <i>Nuclear Fusion</i> , 2015 , 55, 063017	3.3	54
614	Progress towards high performance plasmas in the National Spherical Torus Experiment (NSTX). <i>Nuclear Fusion</i> , 2005 , 45, S168-S180	3.3	53

613	The design of the KSTAR tokamak. <i>Fusion Engineering and Design</i> , 1999 , 46, 405-411	1.7	53
612	A new hybrid-Lagrangian numerical scheme for gyrokinetic simulation of tokamak edge plasma. <i>Journal of Computational Physics</i> , 2016 , 315, 467-475	4.1	53
611	Improved understanding of physics processes in pedestal structure, leading to improved predictive capability for ITER. <i>Nuclear Fusion</i> , 2013 , 53, 093024	3.3	52
610	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
609	Electron temperature control with grid bias in inductively coupled argon plasma. <i>Physics of Plasmas</i> , 1999 , 6, 1017-1028	2.1	51
608	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. <i>Nature Physics</i> , 2017 , 13, 973-978	16.2	50
607	Predictions on heat transport and plasma rotation from global gyrokinetic simulations. <i>Nuclear Fusion</i> , 2011 , 51, 103023	3.3	49
606	Erosion and deposition in the JET divertor during the first ILW campaign. <i>Physica Scripta</i> , 2016 , T167, 014051	2.6	47
605	Overview of physics results from the conclusive operation of the National Spherical Torus Experiment. <i>Nuclear Fusion</i> , 2013 , 53, 104007	3.3	47
604	Core turbulent transport in tokamak plasmas: bridging theory and experiment with QuaLiKiz. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 014036	2	45
603	Gyrokinetic neoclassical study of the bootstrap current in the tokamak edge pedestal with fully non-linear Coulomb collisions. <i>Physics of Plasmas</i> , 2016 , 23, 042503	2.1	44
602	Long-term fuel retention in JET ITER-like wall. <i>Physica Scripta</i> , 2016 , T167, 014075	2.6	44
601	Effect of two-temperature electron distribution on the Bohm sheath criterion. <i>Physical Review E</i> , 1997 , 55, 1213-1216	2.4	44
600	A fully non-linear multi-species Fokker-Planck-Landau collision operator for simulation of fusion plasma. <i>Journal of Computational Physics</i> , 2016 , 315, 644-660	4.1	44
599	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
598	First dust study in JET with the ITER-like wall: sampling, analysis and classification. <i>Nuclear Fusion</i> , 2015 , 55, 113033	3.3	43
597	Alpha particle loss in the TFTR DT experiments. <i>Nuclear Fusion</i> , 1995 , 35, 893-917	3.3	43
596	Melt damage to the JET ITER-like Wall and divertor. <i>Physica Scripta</i> , 2016 , T167, 014070	2.6	43

595	ISABELA for effective in situ compression of scientific data. <i>Concurrency Computation Practice and Experience</i> , 2013 , 25, 524-540	1.4	42
594	The national spherical torus experiment (NSTX) research programme and progress towards high beta, long pulse operating scenarios. <i>Nuclear Fusion</i> , 2003 , 43, 1653-1664	3.3	42
593	Generation of plasma rotation by ion cyclotron resonance heating in tokamaks. <i>Physics of Plasmas</i> , 1999 , 6, 1969-1977	2.1	42
592	Influence of the E × B drift in high recycling divertors on target asymmetries. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 095002	2	41
591	Extended MHD simulation of resonant magnetic perturbations. <i>Nuclear Fusion</i> , 2009 , 49, 055025	3.3	41
590	Radial diffusion coefficient for counter-passing MeV ions in the TFTR tokamak. <i>Nuclear Fusion</i> , 1991 , 31, 2219-2245	3.3	41
589	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
588	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
587	Antenna configuration for uniform large-area inductively coupled plasma production. <i>Applied Physics Letters</i> , 2000 , 77, 492-494	3.4	40
586	Correlation of the tokamak H-mode density limit with ballooning stability at the separatrix. <i>Nuclear Fusion</i> , 2018 , 58, 034001	3.3	39
585	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
584	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
583	Recent progress towards a quantitative description of filamentary SOL transport. <i>Nuclear Fusion</i> , 2017 , 57, 056044	3.3	38
582	Overview of recent physics results from the National Spherical Torus Experiment (NSTX). <i>Nuclear Fusion</i> , 2007 , 47, S645-S657	3.3	38
581	Property of an X-point generated velocity-space hole in a diverted tokamak plasma edge. <i>Physics of Plasmas</i> , 2004 , 11, 5626-5633	2.1	38
580	Overview of NSTX Upgrade initial results and modelling highlights. <i>Nuclear Fusion</i> , 2017 , 57, 102006	3.3	37
579	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
578	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

577	Overview of the JET ITER-like wall divertor. <i>Nuclear Materials and Energy</i> , 2017 , 12, 499-505	2.1	36
576	Runaway electron beam generation and mitigation during disruptions at JET-ILW. <i>Nuclear Fusion</i> , 2015 , 55, 093013	3.3	36
575	ISOBAR Preconditioner for Effective and High-throughput Lossless Data Compression 2012 ,		36
574	Overview of LBI power threshold studies in NSTX. <i>Nuclear Fusion</i> , 2010 , 50, 064010	3.3	36
573	Overview of results from the National Spherical Torus Experiment (NSTX). <i>Nuclear Fusion</i> , 2009 , 49, 104015	3.3	36
572	Overview of fuel inventory in JET with the ITER-like wall. <i>Nuclear Fusion</i> , 2017 , 57, 086045	3.3	35
571	Overview of DT results from TFTR. <i>Nuclear Fusion</i> , 1995 , 35, 1429-1436	3.3	35
570	Erosion, screening, and migration of tungsten in the JET divertor. <i>Nuclear Fusion</i> , 2019 , 59, 096035	3.3	34
569	JET and COMPASS asymmetrical disruptions. <i>Nuclear Fusion</i> , 2015 , 55, 113006	3.3	34
568	Overview of the JET results. <i>Nuclear Fusion</i> , 2015 , 55, 104001	3.3	34
567	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
566	First neutron spectroscopy measurements with a pixelated diamond detector at JET. <i>Review of Scientific Instruments</i> , 2016 , 87, 11D833	1.7	33
565	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
564	Inductively coupled plasma heating in a weakly magnetized plasma. <i>Physics of Plasmas</i> , 1999 , 6, 2926-2935	3.1	32
563	The role of MHD in causing impurity peaking in JET hybrid plasmas. <i>Nuclear Fusion</i> , 2016 , 56, 066002	3.3	31
562	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
561	Kinetic neoclassical transport in the H-mode pedestal). <i>Physics of Plasmas</i> , 2014 , 21, 072508	2.1	31
560	An overview of KSTAR results. <i>Nuclear Fusion</i> , 2013 , 53, 104005	3.3	31

559	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
558	Modelling of edge localised modes and edge localised mode control. <i>Physics of Plasmas</i> , 2015 , 22, 021805.1		30
557	Effect of gas fuelling location on H-mode access in NSTX. <i>Plasma Physics and Controlled Fusion</i> , 2004 , 46, A305-A313	2	30
556	Enhancement of neoclassical transport coefficients by a poloidal electric field in tokamaks. <i>Physics of Fluids</i> , 1983 , 26, 2140		30
555	Resonant Interaction between Two Neutral Atoms. <i>Physical Review A</i> , 1971 , 4, 630-640	2.6	30
554	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
553	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
552	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
551	Anisotropic distribution function of minority tail ions generated by strong ion-cyclotron resonance heating. <i>Physics of Fluids B</i> , 1990 , 2, 310-317		29
550	Theory of Resonant Multiphoton Ionization. <i>Physical Review Letters</i> , 1973 , 30, 1283-1285	7.4	29
549	Inferring divertor plasma properties from hydrogen Balmer and Paschen series spectroscopy in JET-ILW. <i>Nuclear Fusion</i> , 2015 , 55, 123028	3.3	28
548	A Fokker-Planck-Landau collision equation solver on two-dimensional velocity grid and its application to particle-in-cell simulation. <i>Physics of Plasmas</i> , 2014 , 21, 032503	2.1	28
547	Bootstrap current for the edge pedestal plasma in a diverted tokamak geometry. <i>Physics of Plasmas</i> , 2012 , 19, 072505	2.1	28
546	TFTR DT experiments. <i>Plasma Physics and Controlled Fusion</i> , 1997 , 39, B103-B114	2	28
545	Anomalous losses of deuterium-deuterium fusion products in the Tokamak Fusion Test Reactor*. <i>Physics of Plasmas</i> , 1994 , 1, 1469-1478	2.1	28
544	Impurity transport in the collisional regime for large poloidal variations. <i>Nuclear Fusion</i> , 1980 , 20, 1397-1405	3.3	28
543	Direct gyrokinetic comparison of pedestal transport in JET with carbon and ITER-like walls. <i>Nuclear Fusion</i> , 2019 , 59, 086056	3.3	27
542	Discriminating the trapped electron modes contribution in density fluctuation spectra. <i>Nuclear Fusion</i> , 2015 , 55, 093021	3.3	27

541	Benchmark experiments on neutron streaming through JET Torus Hall penetrations. <i>Nuclear Fusion</i> , 2015 , 55, 053028	3-3	26
540	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
539	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
538	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
537	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
536	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
535	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
534	Neoclassical physics in full distribution function gyrokinetics. <i>Physics of Plasmas</i> , 2011 , 18, 062309	2.1	25
533	ISABELA-QA 2011 ,		25
532	Theory of energetic ion transport induced by waves of ion cyclotron range of frequencies in a tokamak plasma. <i>Physics of Fluids B</i> , 1991 , 3, 3429-3447		25
531	Plasma impact on diagnostic mirrors in JET. <i>Nuclear Materials and Energy</i> , 2017 , 12, 506-512	2.1	24
530	Beryllium global erosion and deposition at JET-ILW simulated with ERO2.0. <i>Nuclear Materials and Energy</i> , 2019 , 18, 331-338	2.1	24
529	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
528	Simulation of Fusion Plasmas: Current Status and Future Direction. <i>Plasma Science and Technology</i> , 2007 , 9, 312-387	1.5	24
527	Temperature anisotropy in a cyclotron resonance heated tokamak plasma and the generation of poloidal electric field. <i>Physics of Plasmas</i> , 1995 , 2, 2044-2054	2.1	24
526	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
525	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
524	Scenario development for DIII operation at JET. <i>Nuclear Fusion</i> , 2019 , 59, 076037	3-3	23

523	Poloidal asymmetries in edge transport barriers). <i>Physics of Plasmas</i> , 2015 , 22, 056104	2.1	23
522	Adaptive predictors based on probabilistic SVM for real time disruption mitigation on JET. <i>Nuclear Fusion</i> , 2018 , 58, 056002	3.3	23
521	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}	1.7	23
520	Deuterium-tritium plasmas in novel regimes in the Tokamak Fusion Test Reactor. <i>Physics of Plasmas</i> , 1997 , 4, 1714-1724	2.1	23
519	Surface reconstructions induced by thin overlayers of indium on Si(111). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1990 , 8, 3443-3448	2.9	23
518	Shadow cones formed by target atoms bombarded by 1 to 3 keV He ⁺ , Li ⁺ , Ne ⁺ and Na ⁺ ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1986 , 18, 11-15	1.2	23
517	Plasma confinement at JET. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 014034	2	23
516	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
515	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
514	Deep learning for plasma tomography using the bolometer system at JET. <i>Fusion Engineering and Design</i> , 2017 , 114, 18-25	1.7	22
513	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
512	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
511	Pedestal and edge electrostatic turbulence characteristics from an XGC1 gyrokinetic simulation. <i>Plasma Physics and Controlled Fusion</i> , 2017 , 59, 105014	2	22
510	Neutral recycling effects on ITG turbulence. <i>Nuclear Fusion</i> , 2017 , 57, 086028	3.3	22
509	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
508	Erosion and deposition in the JET divertor during the second ITER-like wall campaign. <i>Physica Scripta</i> , 2017 , T170, 014058	2.6	22
507	Intrinsic momentum generation by a combined neoclassical and turbulence mechanism in diverted DIII-D plasma edge. <i>Physics of Plasmas</i> , 2014 , 21, 092501	2.1	22
506	Dependence of the L-H transition on X-point geometry and divertor recycling on NSTX. <i>Nuclear Fusion</i> , 2013 , 53, 113032	3.3	22

505	Progress in characterization of the pedestal stability and turbulence during the edge-localized-mode cycle on National Spherical Torus Experiment. <i>Nuclear Fusion</i> , 2013 , 53, 093026	3.3	22
504	Interaction between two inhomogeneously charged parallel surfaces in the strong coupling regime. <i>Physical Review E</i> , 2006 , 73, 021502	2.4	22
503	Effects of dielectric discontinuities on two charged plates. <i>Physical Review E</i> , 2007 , 76, 011920	2.4	22
502	Impact-collision ion-scattering-spectrometry study of Ni layers deposited on Si(111) at room temperature. <i>Physical Review B</i> , 1987 , 36, 9150-9154	3.3	22
501	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
500	Fast H isotope and impurity mixing in ion-temperature-gradient turbulence. <i>Nuclear Fusion</i> , 2018 , 58, 076028	3.3	22
499	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
498	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
497	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
496	Fast-ion energy resolution by one-step reaction gamma-ray spectrometry. <i>Nuclear Fusion</i> , 2016 , 56, 046009	3.3	21
495	Cross-verification of the global gyrokinetic codes GENE and XGC. <i>Physics of Plasmas</i> , 2018 , 25, 062308	2.1	21
494	Overview of KSTAR research progress and future plans toward ITER and K-DEMO. <i>Nuclear Fusion</i> , 2019 , 59, 112020	3.3	21
493	First principles and integrated modelling achievements towards trustful fusion power predictions for JET and ITER. <i>Nuclear Fusion</i> , 2019 , 59, 086047	3.3	21
492	Experience on divertor fuel retention after two ITER-Like Wall campaigns. <i>Physica Scripta</i> , 2017 , T170, 014063	2.6	21
491	Alpha-particle physics in the tokamak fusion test reactor DT experiment. <i>Plasma Physics and Controlled Fusion</i> , 1997 , 39, A275-A283	2	21
490	Gyrokinetic particle simulation of neoclassical transport in the pedestal/scrape-off region of a tokamak plasma. <i>Journal of Physics: Conference Series</i> , 2006 , 46, 87-91	0.3	21
489	Further Calculations on Multiple-Quantum Transitions. <i>Physical Review A</i> , 1972 , 5, 1087-1092	2.6	21
488	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

487	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
486	Recent progress in the quantitative validation of JOEUK simulations of ELMs in JET. <i>Nuclear Fusion</i> , 2017 , 57, 076006	3.3	20
485	Fuel inventory and deposition in castellated structures in JET-ILW. <i>Nuclear Fusion</i> , 2017 , 57, 066027	3.3	20
484	Scenario development for the observation of alpha-driven instabilities in JET DT plasmas. <i>Nuclear Fusion</i> , 2018 , 58, 082005	3.3	20
483	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
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