List of Publications by Year in descending order

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221 papers	13,314 citations	25034 57 h-index	²⁵⁷⁸⁷ 108 g-index
221	221	221	4059
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Chapter 4: Power and particle control. Nuclear Fusion, 2007, 47, S203-S263.	3.5	891
2	Chapter 1: Overview and summary. Nuclear Fusion, 2007, 47, S1-S17.	3.5	714
3	Recent analysis of key plasma wall interactions issues for ITER. Journal of Nuclear Materials, 2009, 390-391, 1-9.	2.7	671
4	A full tungsten divertor for ITER: Physics issues and design status. Journal of Nuclear Materials, 2013, 438, S48-S56.	2.7	618
5	Characteristics of type I ELM energy and particle losses in existing devices and their extrapolation to ITER. Plasma Physics and Controlled Fusion, 2003, 45, 1549-1569.	2.1	487
6	Physics basis and design of the ITER plasma-facing components. Journal of Nuclear Materials, 2011, 415, S957-S964.	2.7	361
7	Tritium inventory in ITER plasma-facing materials and tritium removal procedures. Plasma Physics and Controlled Fusion, 2008, 50, 103001.	2.1	333
8	Assessment of erosion of the ITER divertor targets during type I ELMs. Plasma Physics and Controlled Fusion, 2003, 45, 1523-1547.	2.1	309
9	Plasma detachment in JET Mark I divertor experiments. Nuclear Fusion, 1998, 38, 331-371.	3.5	282
10	Disruptions in ITER and strategies for their control and mitigation. Journal of Nuclear Materials, 2015, 463, 39-48.	2.7	274
11	A long-pulse high-confinement plasma regime in the Experimental Advanced Superconducting Tokamak. Nature Physics, 2013, 9, 817-821.	16.7	234
12	Progress on the application of ELM control schemes to ITER scenarios from the non-active phase to DT operation. Nuclear Fusion, 2014, 54, 033007.	3.5	214
13	Principal physics developments evaluated in the ITER design review. Nuclear Fusion, 2009, 49, 065012.	3.5	200
14	Plasma–surface interaction, scrape-off layer and divertor physics: implications for ITER. Nuclear Fusion, 2007, 47, 1189-1205.	3.5	156
15	Effects of divertor geometry on tokamak plasmas. Plasma Physics and Controlled Fusion, 2001, 43, R183-R224.	2.1	155
16	Characteristics and scaling of energy and particle losses during Type I ELMs in JET H-modes. Plasma Physics and Controlled Fusion, 2002, 44, 1815-1844.	2.1	153
17	Status and physics basis of the ITER divertor. Physica Scripta, 2009, T138, 014001.	2.5	151
18	ITER plasma-facing components. Fusion Engineering and Design, 2010, 85, 2312-2322.	1.9	144

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19	Improved performance of ELMy H-modes at high density by plasma shaping in JET. Plasma Physics and Controlled Fusion, 2002, 44, 1769-1799.	2.1	138
20	Effects of ELMs on ITER divertor armour materials. Journal of Nuclear Materials, 2007, 363-365, 301-307.	2.7	138
21	Gyrokinetic projection of the divertor heat-flux width from present tokamaks to ITER. Nuclear Fusion, 2017, 57, 116023.	3.5	125
22	Transient heat loads in current fusion experiments, extrapolation to ITER and consequences for its operation. Physica Scripta, 2007, T128, 222-228.	2.5	124
23	The impact of ELMs on the ITER divertor. Journal of Nuclear Materials, 1999, 266-269, 109-117.	2.7	121
24	Scaling laws for edge plasma parameters in ITER from two-dimensional edge modelling. Nuclear Fusion, 2003, 43, 716-723.	3.5	116
25	Experimental study of PFCs erosion under ITER-like transient loads at plasma gun facility QSPA. Journal of Nuclear Materials, 2009, 390-391, 721-726.	2.7	113
26	Analysis of performance of the optimized divertor in ITER. Nuclear Fusion, 2009, 49, 075008.	3.5	112
27	DEMO divertor limitations during and in between ELMs. Nuclear Fusion, 2014, 54, 114003.	3.5	107
28	Screening of resonant magnetic perturbations by flows in tokamaks. Nuclear Fusion, 2012, 52, 054003.	3.5	106
29	Characterization of pedestal parameters and edge localized mode energy losses in the Joint European Torus and predictions for the International Thermonuclear Experimental Reactor. Physics of Plasmas, 2004, 11, 2668-2678.	1.9	104
30	Effects of ELMs and disruptions on ITER divertor armour materials. Journal of Nuclear Materials, 2005, 337-339, 684-690.	2.7	103
31	Reduction of Edge-Localized Mode Intensity Using High-Repetition-Rate Pellet Injection in Tokamak <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"><mml:mi>H</mml:mi></mml:math> -Mode Plasmas. Physical Review Letters, 2013, 110, 245001.	7.8	100
32	ELM control strategies and tools: status and potential for ITER. Nuclear Fusion, 2013, 53, 043004.	3.5	98
33	Edge and divertor physics with reversed toroidal field in JET. Journal of Nuclear Materials, 2005, 337-339, 146-153.	2.7	96
34	Control and dissipation of runaway electron beams created during rapid shutdown experiments in DIII-D. Nuclear Fusion, 2013, 53, 083004.	3.5	96
35	Multi-machine scaling of the divertor peak heat flux and width for L-mode and H-mode discharges. Journal of Nuclear Materials, 1999, 266-269, 587-592.	2.7	95
36	Reduction of divertor heat load in JET ELMy H-modes using impurity seeding techniques. Nuclear Fusion, 2004, 44, 312-319.	3.5	91

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37	Edge localized mode physics and operational aspects in tokamaks. Plasma Physics and Controlled Fusion, 2003, 45, A93-A113.	2.1	88
38	Pedestal conditions for small ELM regimes in tokamaks. Plasma Physics and Controlled Fusion, 2006, 48, A171-A181.	2.1	88
39	20 years of research on the Alcator C-Mod tokamak. Physics of Plasmas, 2014, 21, .	1.9	88
40	High confinement/high radiated power H-mode experiments in Alcator C-Mod and consequences for International Thermonuclear Experimental Reactor (ITER) QDT = 10 operation. Physics of Plasmas, 2011, 18, .	1.9	84
41	Characterization of small ELM experiments in highly shaped single null and quasi-double-null plasmas in JET. Nuclear Fusion, 2005, 45, 297-317.	3.5	81
42	Studies in JET divertors of varied geometry. I: Non-seeded plasma operation. Nuclear Fusion, 1999, 39, 1-17.	3.5	77
43	Power deposition onto plasma facing components in poloidal divertor tokamaks during type-I ELMs and disruptions. Journal of Nuclear Materials, 2005, 337-339, 669-676.	2.7	76
44	H-mode pedestal scaling in DIII-D, ASDEX Upgrade, and JET. Physics of Plasmas, 2011, 18, 056120.	1.9	76
45	ELM resolved energy distribution studies in the JET MKII Gas-Box divertor using infra-red thermography. Plasma Physics and Controlled Fusion, 2007, 49, 573-604.	2.1	75
46	Effect of N2, Ne and Ar seeding on Alcator C-Mod H-mode confinement. Journal of Nuclear Materials, 2011, 415, S340-S344.	2.7	73
47	3D vacuum magnetic field modelling of the ITER ELM control coil during standard operating scenarios. Nuclear Fusion, 2013, 53, 093029.	3.5	72
48	Numerical study of the resonant magnetic perturbations for Type I edge localized modes control in ITER. Nuclear Fusion, 2008, 48, 024003.	3.5	71
49	JET disruption studies in support of ITER. Plasma Physics and Controlled Fusion, 2010, 52, 124018.	2.1	71
50	Studies in JET divertors of varied geometry. II: Impurity seeded plasmas. Nuclear Fusion, 1999, 39, 19-40.	3.5	68
51	The targeted heating and current drive applications for the ITER electron cyclotron system. Physics of Plasmas, 2015, 22, .	1.9	67
52	Study of Type III ELMs in JET. Plasma Physics and Controlled Fusion, 2004, 46, 723-750.	2.1	66
53	Formation and termination of runaway beams in ITER disruptions. Nuclear Fusion, 2017, 57, 066025.	3.5	66
54	Development of ITER 15 MA ELMy H-mode inductive scenario. Nuclear Fusion, 2009, 49, 085034.	3.5	62

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55	Physics and technology considerations for the deuterium–tritium fuel cycle and conditions for tritium fuel self sufficiency. Nuclear Fusion, 2021, 61, 013001.	3.5	60
56	Basic divertor operation in ITER-FEAT. Nuclear Fusion, 2002, 42, 187-191.	3.5	59
57	Timescale and magnitude of plasma thermal energy loss before and during disruptions in JET. Nuclear Fusion, 2005, 45, 1427-1438.	3.5	59
58	Experimental study of PFCs erosion and eroded material deposition under ITER-like transient loads at the plasma gun facility QSPA-T. Journal of Nuclear Materials, 2011, 415, S59-S64.	2.7	59
59	ELM control with RMP: plasma response models and the role of edge peeling response. Plasma Physics and Controlled Fusion, 2016, 58, 114005.	2.1	58
60	Modelling of tritium retention and target lifetime of the ITER divertor using the ERO code. Journal of Nuclear Materials, 2007, 363-365, 91-95.	2.7	56
61	Self-consistent simulation of plasma scenarios for ITER using a combination of 1.5D transport codes and free-boundary equilibrium codes. Nuclear Fusion, 2013, 53, 113002.	3.5	55
62	Multi-device studies of pedestal physics and confinement in the I-mode regime. Nuclear Fusion, 2016, 56, 086003.	3.5	54
63	Approaches towards long-pulse divertor operations on EAST by active control of plasma–wall interactions. Nuclear Fusion, 2014, 54, 013002.	3.5	54
64	Non-linear MHD modelling of ELM triggering by pellet injection in DIII-D and implications for ITER. Nuclear Fusion, 2014, 54, 073008.	3.5	53
65	Access to a New Plasma Edge State with High Density and Pressures using the Quiescent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><<mml:mi>H</mml:mi>Mode. Physical Review Letters, 2014, 113, 135001.</mml:math 	7.8	53
66	Magnetic energy flows during the current quench and termination of disruptions with runaway current plateau formation in JET and implications for ITER. Nuclear Fusion, 2011, 51, 073004.	3.5	52
67	ELMy H-modes in JET helium-4 plasmas. Plasma Physics and Controlled Fusion, 2004, 46, 519-534.	2.1	50
68	The quiescent H-mode regime for high performance edge localized mode-stable operation in future	1.9	45
69	Pedestal width and ELM size identity studies in JET and DIII-D; implications for ITER. Plasma Physics and Controlled Fusion, 2009, 51, 124051.	2.1	44
70	Survey of Type I ELM dynamics measurements. Plasma Physics and Controlled Fusion, 2006, 48, A149-A162.	2.1	43
71	Effect of toroidal field ripple on plasma rotation in JET. Nuclear Fusion, 2008, 48, 035007.	3.5	43
72	Small ELM regimes with good confinement on JET and comparison to those on ASDEX Upgrade, Alcator C-mod and JT-60U. Nuclear Fusion, 2005, 45, 1213-1223.	3.5	41

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73	Enhanced understanding of non-axisymmetric intrinsic and controlled field impacts in tokamaks. Nuclear Fusion, 2017, 57, 116054.	3.5	41
74	3D edge transport analysis of ITER start-up configuration for limiter power load assessment. Nuclear Fusion, 2007, 47, 61-73.	3.5	40
75	Experimental validation of 3D simulations of tungsten melt erosion under ITER-like transient loads. Journal of Nuclear Materials, 2009, 390-391, 810-813.	2.7	40
76	Power requirements for superior H-mode confinement on Alcator C-Mod: experiments in support of ITER. Nuclear Fusion, 2011, 51, 083007.	3.5	40
77	ITER transient consequences for material damage: modelling versus experiments. Physica Scripta, 2007, T128, 229-233.	2.5	38
78	L to H mode transition: on the role ofZeff. Nuclear Fusion, 2014, 54, 022001.	3.5	38
79	Effect of the relative shift between the electron density and temperature pedestal position on the pedestal stability in JET-ILW and comparison with JET-C. Nuclear Fusion, 2018, 58, 056010.	3.5	38
80	Overview of KSTAR research progress and future plans toward ITER and K-DEMO. Nuclear Fusion, 2019, 59, 112020.	3.5	38
81	Pellet injection as a possible tool for plasma performance improvement. Nuclear Fusion, 2003, 43, 1072-1076.	3.5	37
82	Melt damage simulation of W-macrobrush and divertor gaps after multiple transient events in ITER. Journal of Nuclear Materials, 2007, 363-365, 1011-1015.	2.7	37
83	ITER test blanket module error field simulation experiments at DIII-D. Nuclear Fusion, 2011, 51, 103028.	3.5	36
84	Non-linear MHD simulation of ELM energy deposition. Nuclear Fusion, 2013, 53, 123023.	3.5	36
85	A shaped First Wall for ITER. Journal of Nuclear Materials, 2011, 415, S969-S972.	2.7	35
86	ELM pacing investigations at JET with the new pellet launcher. Nuclear Fusion, 2011, 51, 033010.	3.5	35
87	ITER research plan of plasma–wall interaction. Journal of Nuclear Materials, 2009, 390-391, 282-285.	2.7	34
88	Modelling of edge localised modes and edge localised mode control. Physics of Plasmas, 2015, 22, .	1.9	34
89	Plasma vertical stabilisation in ITER. Nuclear Fusion, 2015, 55, 073021.	3.5	34
90	Three-dimensional modeling of plasma edge transport and divertor fluxes during application of resonant magnetic perturbations on ITER. Nuclear Fusion, 2016, 56, 066008.	3.5	34

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91	Analysis of fuelling requirements in ITER H-modes with SOLPS-EPED1 derived scalings. Nuclear Fusion, 2017, 57, 022014.	3.5	34
92	Nonlinear MHD simulations of Quiescent H-mode plasmas in DIII-D. Nuclear Fusion, 2015, 55, 113002.	3.5	33
93	Transport analysis and modelling of the evolution of hollow density profiles plasmas in JET and implication for ITER. Nuclear Fusion, 2015, 55, 123001.	3.5	33
94	Tungsten impurity transport experiments in Alcator C-Mod to address high priority research and	1.9	33
95	Assessment of operational space for long-pulse scenarios in ITER. Nuclear Fusion, 2015, 55, 063019.	3.5	33
96	Physics of ELM power fluxes to plasma facing components and implications for ITER. Journal of Nuclear Materials, 2009, 390-391, 727-732.	2.7	32
97	The impact of large ELMs on JET. Journal of Nuclear Materials, 2009, 390-391, 755-759.	2.7	32
98	Shattered pellet injection simulations with NIMROD. Physics of Plasmas, 2019, 26, .	1.9	32
99	Behaviour of melted tungsten plasma facing components under ITER-like transient heat loads. Fusion Engineering and Design, 2008, 83, 1077-1081.	1.9	31
100	Update on Design of the ITER In-Vessel Coils. Fusion Science and Technology, 2013, 64, 168-175.	1.1	31
101	ELMs behaviour and edge plasma stability in JET. Plasma Physics and Controlled Fusion, 2002, 44, A103-A112.	2.1	30
102	Reduction of edge localized mode intensity on DIII-D by on-demand triggering with high frequency pellet injection and implications for ITER. Physics of Plasmas, 2013, 20, .	1.9	30
103	Understanding the effect resonant magnetic perturbations have on ELMs. Plasma Physics and Controlled Fusion, 2013, 55, 124003.	2.1	30
104	A comparison of the impact of central ECRH and central ICRH on the tungsten behaviour in ASDEX Upgrade H-mode plasmas. Nuclear Fusion, 2017, 57, 056015.	3.5	30
105	Heat loads on plasma facing components during disruptions on JET. Nuclear Fusion, 2009, 49, 085038.	3.5	29
106	Modelling of plasma performance and transient density behaviour in the H-mode access for ITER gas fuelled scenarios. Nuclear Fusion, 2015, 55, 093008.	3.5	28
107	MHD stability analysis of diagnostic optimized configuration shots in JET. Plasma Physics and Controlled Fusion, 2005, 47, 713-731.	2.1	27
108	Plasma density and temperature evolution following the H-mode transition at JET and implications for ITER. Nuclear Fusion, 2013, 53, 083031.	3.5	27

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109	The influence of three-dimensional stochastic magnetic boundaries on plasma edge transport and the resulting plasma wall interaction. Journal of Nuclear Materials, 2011, 415, S886-S893.	2.7	26
110	MHD stability of the pedestal in ITER scenarios. Nuclear Fusion, 2013, 53, 093011.	3.5	26
111	Inter-machine comparison of the termination phase and energy conversion in tokamak disruptions with runaway current plateau formation and implications for ITER. Nuclear Fusion, 2014, 54, 083027.	3.5	26
112	Modelling toroidal rotation damping in ITER due to external 3D fields. Nuclear Fusion, 2015, 55, 063027.	3.5	26
113	Dimensionless scalings of confinement, heat transport and pedestal stability in JET-ILW and comparison with JET-C. Plasma Physics and Controlled Fusion, 2017, 59, 014014.	2.1	26
114	Integrated simulations of H-mode operation in ITER including core fuelling, divertor detachment and ELM control. Nuclear Fusion, 2018, 58, 056020.	3.5	26
115	W transport and accumulation control in the termination phase of JET H-mode discharges and implications for ITER. Plasma Physics and Controlled Fusion, 2018, 60, 074008.	2.1	26
116	First demonstration of full ELM suppression in low input torque plasmas to support ITER research plan using n = 4 RMP in EAST. Nuclear Fusion, 2021, 61, 106037.	3.5	26
117	Modeling of divertor particle and heat loads during application of resonant magnetic perturbation fields for ELM control in ITER. Journal of Nuclear Materials, 2013, 438, S194-S198.	2.7	25
118	Recent advances in long-pulse high-confinement plasma operations in Experimental Advanced Superconducting Tokamak. Physics of Plasmas, 2014, 21, 056107.	1.9	25
119	ITER-relevant H-mode physics at ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2004, 46, B511-B525.	2.1	24
120	Edge localized modes control: experiment and theory. Journal of Nuclear Materials, 2005, 337-339, 677-683.	2.7	24
121	Simulation of tokamak armour erosion and plasma contamination at intense transient heat fluxes in ITER. Journal of Nuclear Materials, 2005, 337-339, 761-765.	2.7	24
122	Transport of tungsten in the H-mode edge transport barrier of ITER. Plasma Physics and Controlled Fusion, 2014, 56, 124003.	2.1	23
123	Physics of the conceptual design of the ITER plasma control system. Fusion Engineering and Design, 2014, 89, 507-511.	1.9	23
124	Heat load measurements on the JET first wall during disruptions. Journal of Nuclear Materials, 2011, 415, S817-S820.	2.7	22
125	Runaway electron dynamics in tokamak plasmas with high impurity content. Physics of Plasmas, 2015, 22, .	1.9	22
126	MHD stability of the ITER pedestal and SOL plasma and its influence on the heat flux width. Journal of Nuclear Materials, 2015, 463, 401-405.	2.7	22

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127	The interplay of controlling the power exhaust and the tungsten content in ITER. Nuclear Materials and Energy, 2017, 12, 28-35.	1.3	22
128	Modelling of transitions between L- and H-mode in JET high plasma current plasmas and application to ITER scenarios including tungsten behaviour. Nuclear Fusion, 2017, 57, 086023.	3.5	22
129	Constructing a new predictive scaling formula for ITER's divertor heat-load width informed by a simulation-anchored machine learning. Physics of Plasmas, 2021, 28, .	1.9	22
130	Modeling 3D plasma boundary corrugation and tailoring toroidal torque profiles with resonant magnetic perturbation fields in ITER. Nuclear Fusion, 2019, 59, 096038.	3.5	21
131	Experiments and modeling of droplet emission from tungsten under transient heat loads. Physica Scripta, 2009, T138, 014061.	2.5	20
132	Effects of rippled fields due to ferritic inserts and ELM mitigation coils on energetic ion losses in a 15ÂMA inductive scenario in ITER. Nuclear Fusion, 2012, 52, 094008.	3.5	20
133	Intrinsic plasma rotation determined by neoclassical toroidal plasma viscosity in tokamaks. Nuclear Fusion, 2013, 53, 093010.	3.5	20
134	Exploration of the Super H-mode regime on DIII-D and potential advantages for burning plasma devices. Physics of Plasmas, 2016, 23, .	1.9	20
135	Multi-machine analysis of termination scenarios with comparison to simulations of controlled shutdown of ITER discharges. Nuclear Fusion, 2018, 58, 026019.	3.5	20
136	Assessment of plasma parameters for the low activation phase of ITER operation. Nuclear Fusion, 2013, 53, 123026.	3.5	19
137	Modelling one-third field operation in the ITER pre-fusion power operation phase. Nuclear Fusion, 2019, 59, 126014.	3.5	19
138	Reassessment of steady-state operation in ITER with NBI and EC heating and current drive. Nuclear Fusion, 2020, 60, 096024.	3.5	19
139	Radiation loads onto plasma-facing components of JET during transient events – Experimental results and implications for ITER. Journal of Nuclear Materials, 2011, 415, S821-S827.	2.7	18
140	L to H mode transition: parametric dependencies of the temperature threshold. Nuclear Fusion, 2015, 55, 073015.	3.5	18
141	Test of the ITER-like resonant magnetic perturbation configurations for edge-localized mode crash suppression on KSTAR. Nuclear Fusion, 2019, 59, 126045.	3.5	18
142	Preliminary results of the experimental study of PFCs exposure to ELMs-like transient loads followed by high heat flux thermal fatigue. Fusion Engineering and Design, 2011, 86, 1665-1668.	1.9	17
143	Optimizing ion-cyclotron resonance frequency heating for ITER: dedicated JET experiments. Plasma Physics and Controlled Fusion, 2011, 53, 124019.	2.1	17
144	Modelling ELM heat flux deposition on the ITER main chamber wall. Journal of Nuclear Materials, 2015, 463, 709-713.	2.7	17

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145	On the avalanche generation of runaway electrons during tokamak disruptions. Physics of Plasmas, 2015, 22, .	1.9	17
146	Plasma radiation distribution and radiation loads onto the vessel during transient events in JET. Journal of Nuclear Materials, 2009, 390-391, 830-834.	2.7	16
147	Nonlinear MHD simulations of QH-mode DIII-D plasmas and implications for ITER high <i>Q</i> scenarios. Plasma Physics and Controlled Fusion, 2018, 60, 014039.	2.1	16
148	Non-linear magnetohydrodynamic simulations of edge localised mode triggering via vertical position oscillations in ITER. Nuclear Fusion, 2018, 58, 096018.	3.5	16
149	Tamed stability and transport using controlled non-axisymmetric fields in KSTAR. Nuclear Fusion, 2019, 59, 056009.	3.5	16
150	Detachment in Fusion Plasmas with Symmetry Breaking Magnetic Perturbation Fields. Physical Review Letters, 2020, 125, 155001.	7.8	16
151	Integrated ELM and divertor power flux control using RMPs with low input torque in EAST in support of the ITER research plan. Nuclear Fusion, 2021, 61, 106023.	3.5	16
152	Turbulent transport driven by kinetic ballooning modes in the inner core of JET hybrid H-modes. Nuclear Fusion, 2021, 61, 036005.	3.5	16
153	Optimizing beam-ion confinement in ITER by adjusting the toroidal phase of the 3D magnetic fields applied for ELM control. Nuclear Fusion, 2021, 61, 046006.	3.5	15
154	Recent progress in L–H transition studies at JET: tritium, helium, hydrogen and deuterium. Nuclear Fusion, 2022, 62, 076026.	3.5	15
155	Non-axisymmetric MHD simulations of the current quench phase of ITER mitigated disruptions. Nuclear Fusion, 2022, 62, 056023.	3.5	15
156	Analysis of edge magnetic field line structure in ITER due to in-vessel ELM control coils. Fusion Engineering and Design, 2012, 87, 1536-1543.	1.9	14
157	Edge stability analysis of ITER baseline plasma simulations. Nuclear Fusion, 2012, 52, 103020.	3.5	14
158	Alcator C-Mod: research in support of ITER and steps beyond. Nuclear Fusion, 2015, 55, 104020.	3.5	14
159	Power exhaust in tokamaks and scenario integration issues. Fusion Engineering and Design, 2017, 122, 256-273.	1.9	14
160	Toroidal modeling of resonant magnetic perturbations in preparation for the initial phase of ITER operation. Nuclear Fusion, 2020, 60, 016013.	3.5	14
161	H-mode plasmas in the pre-fusion power operation 1 phase of the ITER research plan. Nuclear Fusion, 2021, 61, 076012.	3.5	14
162	Chaos cuts ELMs down to size. Nature Physics, 2006, 2, 369-370.	16.7	13

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163	Evolution of plasma parameters in the termination phase of high confinement H-modes at JET and implications for ITER. Nuclear Fusion, 2014, 54, 123014.	3.5	13
164	Integrated core-SOL modelling of fuelling, density control and divertor heat loads for the flat-top phase of the ITER H-mode D-T plasma scenarios. Nuclear Fusion, 2019, 59, 026006.	3.5	13
165	Understanding the reduction of the edge safety factor during hot VDEs and fast edge cooling events. Physics of Plasmas, 2020, 27, 032501.	1.9	13
166	Measurement and analysis of radiated power components in the JET MkI divertor using VUV spectroscopy. Journal of Nuclear Materials, 1997, 241-243, 414-419.	2.7	12
167	Ballooning Instability Effect on the Profiles of Power Deposition on Divertor Targets. Contributions To Plasma Physics, 2000, 40, 233-237.	1.1	12
168	Dimensionless pedestal identity experiments in JT-60U and JET in ELMy H-mode plasmas. Plasma Physics and Controlled Fusion, 2004, 46, A195-A205.	2.1	12
169	ELM mitigation with pellet ELM triggering and implications for PFCs and plasma performance in ITER. Journal of Nuclear Materials, 2015, 463, 104-108.	2.7	12
170	Extending the physics basis of quiescent H-mode toward ITER relevant parameters. Nuclear Fusion, 2015, 55, 073031.	3.5	12
171	Toroidal modeling of plasma response to RMP fields in ITER. Plasma Physics and Controlled Fusion, 2017, 59, 044005.	2.1	12
172	Kinetic modeling of ELM-induced tungsten transport in a tokamak plasma. Physics of Plasmas, 2019, 26, .	1.9	12
173	Stabilization of EMC3-EIRENE for detachment conditions and comparison to SOLPS-ITER. Nuclear Materials and Energy, 2019, 18, 62-66.	1.3	12
174	ITER plasma control system final designÂand preparation for first plasma. Nuclear Fusion, 2021, 61, 106036.	3.5	12
175	Erosion simulation of first wall beryllium armour after ITER transient heat loads and runaway electrons action. Journal of Nuclear Materials, 2011, 417, 655-658.	2.7	11
176	Experimental study of divertor plasma-facing components damage under a combination of pulsed and quasi-stationary heat loads relevant to expected transient events at ITER. Physica Scripta, 2011, T145, 014064.	2.5	11
177	Status of the ITER ion cyclotron heating and current drive system. AIP Conference Proceedings, 2015, ,	0.4	11
178	SOLPS modelling of W arising from repetitive mitigated ELMs in ITER. Journal of Nuclear Materials, 2015, 463, 620-623.	2.7	11
179	Evaluation of fuelling requirements for core density and divertor heat load control in non-stationary phases of the ITER DT 15 MA baseline scenario. Nuclear Fusion, 2020, 60, 066015.	3.5	11
180	Simulations of COMPASS vertical displacement events with a self-consistent model for halo currents including neutrals and sheath boundary conditions. Plasma Physics and Controlled Fusion, 2021, 63, 064004.	2.1	11

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181	Radial density profiles in a poloidal divertor modelled by diffusion across a region with variable connection length. Contributions To Plasma Physics, 1992, 32, 468-473.	1.1	10
182	Edge pedestal characteristics in JET and JT-60U tokamaks under variable toroidal field ripple. Nuclear Fusion, 2011, 51, 113004.	3.5	10
183	Design evolution and integration of the ITER in-vessel components. Fusion Engineering and Design, 2013, 88, 1955-1959.	1.9	10
184	Analysis of runaway electron discharge formation during Joint European Torus plasma start-up. Plasma Physics and Controlled Fusion, 2020, 62, 125014.	2.1	10
185	Erosion simulation of first wall beryllium armour under ITER transient heat loads. Journal of Nuclear Materials, 2009, 386-388, 919-921.	2.7	9
186	ELM control at the L → H transition by means of pellet pacing in the ASDEX Upgrade and JET all-metal-wall tokamaks. Plasma Physics and Controlled Fusion, 2015, 57, 045011.	2.1	9
187	ELM suppression in helium plasmas with 3D magnetic fields. Nuclear Fusion, 2017, 57, 086016.	3.5	9
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