List of Publications by Year in descending order

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227 papers	11,756 citations	25034 57 h-index	33894 99 g-index
227	227	227	2777
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Edge localized modes and the pedestal: A model based on coupled peeling–ballooning modes. Physics of Plasmas, 2002, 9, 2037-2043.	1.9	640
2	Edge stability and transport control with resonant magnetic perturbations in collisionless tokamak plasmas. Nature Physics, 2006, 2, 419-423.	16.7	538
3	BOUT++: A framework for parallel plasma fluid simulations. Computer Physics Communications, 2009, 180, 1467-1480.	7.5	350
4	A first-principles predictive model of the pedestal height and width: development, testing and ITER optimization with the EPED model. Nuclear Fusion, 2011, 51, 103016.	3.5	342
5	Numerical studies of edge localized instabilities in tokamaks. Physics of Plasmas, 2002, 9, 1277-1286.	1.9	327
6	Development and validation of a predictive model for the pedestal height. Physics of Plasmas, 2009, 16,	1.9	285
7	Integrated modeling applications for tokamak experiments with OMFIT. Nuclear Fusion, 2015, 55, 083008.	3.5	246
8	Stability and dynamics of the edge pedestal in the low collisionality regime: physics mechanisms for steady-state ELM-free operation. Nuclear Fusion, 2007, 47, 961-968.	3.5	216
9	Landau fluid models of collisionless magnetohydrodynamics. Physics of Plasmas, 1997, 4, 3974-3985.	1.9	203
10	Principal physics developments evaluated in the ITER design review. Nuclear Fusion, 2009, 49, 065012.	3.5	200
11	ELMs and constraints on the H-mode pedestal: peeling–ballooning stability calculation and comparison with experiment. Nuclear Fusion, 2004, 44, 320-328.	3.5	192
12	Overview of the SPARC tokamak. Journal of Plasma Physics, 2020, 86, .	2.1	181
13	Pedestal stability comparison and ITER pedestal prediction. Nuclear Fusion, 2009, 49, 085035.	3.5	179
14	Edge-Localized-Mode Suppression through Density-Profile Modification with Lithium-Wall Coatings in the National Spherical Torus Experiment. Physical Review Letters, 2009, 103, 075001.	7.8	154
15	Pedestal Bifurcation and Resonant Field Penetration at the Threshold of Edge-Localized Mode Suppression in the DIII-D Tokamak. Physical Review Letters, 2015, 114, 105002.	7.8	141
16	The EPED pedestal model and edge localized mode-suppressed regimes: Studies of quiescent H-mode and development of a model for edge localized mode suppression via resonant magnetic perturbations. Physics of Plasmas, 2012, 19, .	1.9	140
17	Effect of island overlap on edge localized mode suppression by resonant magnetic perturbations in DIII-D. Physics of Plasmas, 2008, 15, .	1.9	139
18	Overview of the results on divertor heat loads in RMP controlled H-mode plasmas on DIII-D. Nuclear Fusion, 2009, 49, 095013.	3.5	136

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19	Progress in the peeling-ballooning model of edge localized modes: Numerical studies of nonlinear dynamics. Physics of Plasmas, 2005, 12, 056115.	1.9	130
20	Nonlinear Simulations of Peeling-Ballooning Modes with Anomalous Electron Viscosity and their Role in Edge Localized Mode Crashes. Physical Review Letters, 2010, 105, 175005.	7.8	129
21	Energy loss for grassy ELMs and effects of plasma rotation on the ELM characteristics in JT-60U. Nuclear Fusion, 2005, 45, 871-881.	3.5	123
22	Magneto-hydrodynamic stability of the H-mode transport barrier as a model for edge localized modes: an overview. Plasma Physics and Controlled Fusion, 2006, 48, A71-A84.	2.1	123
23	Enhanced H-mode pedestals with lithium injection in DIII-D. Nuclear Fusion, 2015, 55, 063018.	3.5	123
24	Advances in understanding quiescent H-mode plasmas in DIII-D. Physics of Plasmas, 2005, 12, 056121.	1.9	119
25	Advances towards QH-mode viability for ELM-stable operation in ITER. Nuclear Fusion, 2011, 51, 083018.	3.5	116
26	Characterization of peeling–ballooning stability limits on the pedestal. Plasma Physics and Controlled Fusion, 2004, 46, A131-A141.	2.1	109
27	Edge localized mode control with an edge resonant magnetic perturbation. Physics of Plasmas, 2005, 12, 056119.	1.9	109
28	ELM suppression in low edge collisionality H-mode discharges usingn= 3 magnetic perturbations. Plasma Physics and Controlled Fusion, 2005, 47, B37-B52.	2.1	109
29	Electromagnetic effects on plasma microturbulence and transport. Physics of Plasmas, 2001, 8, 744-749.	1.9	108
30	The effect of progressively increasing lithium coatings on plasma discharge characteristics, transport, edge profiles and ELM stability in the National Spherical Torus Experiment. Nuclear Fusion, 2012, 52, 083001.	3.5	101
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	A Landau fluid model for electromagnetic plasma microturbulence. Physics of Plasmas, 2001, 8, 3199-3216.	1.9	96
33	Edge localized mode physics and operational aspects in tokamaks. Plasma Physics and Controlled Fusion, 2003, 45, A93-A113.	2.1	88
34	20 years of research on the Alcator C-Mod tokamak. Physics of Plasmas, 2014, 21, .	1.9	88
35	Fusion Nuclear Science Facility Candidates. Fusion Science and Technology, 2011, 59, 279-307.	1.1	79
36	Observation of Edge Instability Limiting the Pedestal Growth in Tokamak Plasmas. Physical Review Letters, 2014, 112, 115001.	7.8	78

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37	Self-consistent core-pedestal transport simulations with neural network accelerated models. Nuclear Fusion, 2017, 57, 086034.	3.5	78
38	H-mode pedestal scaling in DIII-D, ASDEX Upgrade, and JET. Physics of Plasmas, 2011, 18, 056120.	1.9	76
39	Edge stability of stationary ELM-suppressed regimes on DIII-D. Journal of Physics: Conference Series, 2008, 123, 012014.	0.4	75
40	Modification of high mode pedestal instabilities in the DIII-D tokamak. Physics of Plasmas, 2000, 7, 1976-1983.	1.9	74
41	Edge pedestal control in quiescent H-mode discharges in DIII-D using co-plus counter-neutral beam injection. Nuclear Fusion, 2009, 49, 085024.	3.5	74
42	Dependence of edge stability on plasma shape and local pressure gradients in the DIII-D and JT-60U tokamaks. Nuclear Fusion, 2001, 41, 295-300.	3.5	72
43	Quiescent H-Mode Plasmas with Strong Edge Rotation in the Cocurrent Direction. Physical Review Letters, 2009, 102, 155003.	7.8	70
44	The effect of a metal wall on confinement in JET and ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2013, 55, 124043.	2.1	70
45	Correlations between quasi-coherent fluctuations and the pedestal evolution during the inter-edge	1.9	69
46	Edge-localized mode dynamics and transport in the scrape-off layer of the DIII-D tokamak. Physics of Plasmas, 2005, 12, 072516.	1.9	66
47	On Demand Triggering of Edge Localized Instabilities Using External Nonaxisymmetric Magnetic Perturbations in Toroidal Plasmas. Physical Review Letters, 2010, 104, 045001.	7.8	66
48	ELM characteristics in MAST. Plasma Physics and Controlled Fusion, 2004, 46, 551-572.	2.1	65
49	Nonlinear ELM simulations based on a nonideal peeling–ballooning model using the BOUT++ code. Nuclear Fusion, 2011, 51, 103040.	3.5	65
50	Advances in the physics understanding of ELM suppression using resonant magnetic perturbations in DIII-D. Nuclear Fusion, 2015, 55, 023002.	3.5	62
51	Experiments and simulation of edge turbulence and filaments in MAST. Plasma Physics and Controlled Fusion, 2008, 50, 124012.	2.1	60
52	High-Frequency Coherent Edge Fluctuations in a High-Pedestal-Pressure Quiescent H-Mode Plasma. Physical Review Letters, 2011, 107, 055004.	7.8	60
53	Simulation of edge localized modes using BOUT++. Plasma Physics and Controlled Fusion, 2011, 53, 054005.	2.1	60
54	Improved understanding of physics processes in pedestal structure, leading to improved predictive capability for ITER. Nuclear Fusion, 2013, 53, 093024.	3.5	59

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55	Discovery of stationary operation of quiescent H-mode plasmas with net-zero neutral beam injection torque and high energy confinement on DIII-D. Physics of Plasmas, 2016, 23, .	1.9	59
56	Transport of edge localized modes energy and particles into the scrape off layer and divertor of DIII-D. Physics of Plasmas, 2003, 10, 1765-1772.	1.9	58
57	Ideal and resistive edge stability calculations with M3D-C1. Physics of Plasmas, 2010, 17, 102508.	1.9	58
58	Initial results of the high resolution edge Thomson scattering upgrade at DIII-D. Review of Scientific Instruments, 2012, 83, 10E343.	1.3	58
59	Integrated fusion simulation with self-consistent core-pedestal coupling. Physics of Plasmas, 2016, 23,	1.9	56
60	ELM particle and energy transport in the SOL and divertor of DIII-D. Plasma Physics and Controlled Fusion, 2003, 45, 1597-1626.	2.1	55
61	Progress towards a predictive model for pedestal height in DIII-D. Nuclear Fusion, 2009, 49, 085037.	3.5	54
62	Overview of physics results from the conclusive operation of the National Spherical Torus Experiment. Nuclear Fusion, 2013, 53, 104007.	3.5	53
63	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
64	Transitions of turbulence in plasma density limits. Physics of Plasmas, 2003, 10, 1773-1781.	1.9	52
65	H-mode pedestal characteristics and MHD stability of the edge plasma in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2002, 44, 423-437.	2.1	50
66	Ideal magnetohydrodynamic constraints on the pedestal temperature in tokamaks. Plasma Physics and Controlled Fusion, 2003, 45, 1671-1687.	2.1	50
67	ELM destabilization by externally applied non-axisymmetric magnetic perturbations in NSTX. Nuclear Fusion, 2010, 50, 034012.	3.5	49
68	Physics Basis of a Fusion Development Facility Utilizing the Tokamak Approach. Fusion Science and Technology, 2010, 57, 66-93.	1.1	48
69	Global Gyrokinetic Simulation of Tokamak Edge Pedestal Instabilities. Physical Review Letters, 2012, 109, 185004.	7.8	48
70	High fusion performance in Super H-mode experiments on Alcator C-Mod and DIII-D. Nuclear Fusion, 2019, 59, 086017.	3.5	48
71	Structure, stability and ELM dynamics of the H-mode pedestal in DIII-D. Nuclear Fusion, 2005, 45, 1493-1502.	3.5	47
72	Differences in the H-mode pedestal width of temperature and density. Plasma Physics and Controlled Fusion, 2012, 54, 105009.	2.1	47

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73	Global and pedestal confinement in JET with a Be/W metallic wall. Nuclear Fusion, 2014, 54, 043001.	3.5	47
74	The ARIES Advanced and Conservative Tokamak Power Plant Study. Fusion Science and Technology, 2015, 67, 1-21.	1.1	47
75	Edge gyrokinetic theory and continuum simulations. Nuclear Fusion, 2007, 47, 809-816.	3.5	46
76	Sustained suppression of type-I edge-localized modes with dominantly <i>n</i> = 2 magnetic fields in DIII-D. Nuclear Fusion, 2013, 53, 083019.	3.5	46
77	Dynamical simulations of boundary plasma turbulence in divertor geometry. New Journal of Physics, 2002, 4, 53-53.	2.9	45
78	The quiescent H-mode regime for high performance edge localized mode-stable operation in future	1.9	45
79	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
80	Integrated modelling of steady-state scenarios and heating and current drive mixes for ITER. Nuclear Fusion, 2011, 51, 103006.	3.5	44
81	Reactor-relevant quiescent H-mode operation using torque from non-axisymmetric, non-resonant magnetic fields. Physics of Plasmas, 2012, 19, .	1.9	44
82	Physics basis for the advanced tokamak fusion power plant, ARIES-AT. Fusion Engineering and Design, 2006, 80, 25-62.	1.9	43
83	Survey of Type I ELM dynamics measurements. Plasma Physics and Controlled Fusion, 2006, 48, A149-A162.	2.1	43
84	The relationships between edge localized modes suppression, pedestal profiles and lithium wall coatings in NSTX. Plasma Physics and Controlled Fusion, 2011, 53, 105011.	2.1	43
85	The H-mode pedestal structure and its role on confinement in JET with a carbon and metal wall. Nuclear Fusion, 2015, 55, 013019.	3.5	43
86	Optimizing stability, transport, and divertor operation through plasma shaping for steady-state scenario development in DIII-D. Physics of Plasmas, 2009, 16, .	1.9	42
87	Edge localized linear ideal magnetohydrodynamic instability studies in an extended-magnetohydrodynamic code. Physics of Plasmas, 2010, 17, 032103.	1.9	42
88	Gyro-fluid and two-fluid theory and simulations of edge-localized-modes. Physics of Plasmas, 2013, 20,	1.9	42
89	Neural-network accelerated coupled core-pedestal simulations with self-consistent transport of impurities and compatible with ITER IMAS. Nuclear Fusion, 2021, 61, 026006.	3.5	42
90	Overview of results from the National Spherical Torus Experiment (NSTX). Nuclear Fusion, 2009, 49, 104016.	3.5	41

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91	Pedestal structure and stability in H-mode and I-mode: a comparative study on Alcator C-Mod. Nuclear Fusion, 2013, 53, 043016.	3.5	41
92	Simulation of gross and net erosion of high-Z materials in the DIII-D divertor. Nuclear Fusion, 2016, 56, 016021.	3.5	41
93	Edge impurity dynamics during an edge-localized mode cycle on DIII-D. Physics of Plasmas, 2005, 12, 056120.	1.9	40
94	High-confinement-mode edge stability of Alcator C-mod plasmas. Physics of Plasmas, 2003, 10, 1720-1726.	1.9	39
95	Predictive capability of MHD stability limits in high performance DIII-D discharges. Nuclear Fusion, 2002, 42, 917-932.	3.5	38
96	Fast imaging of edge localized mode structure and dynamics in DIII-D. Physics of Plasmas, 2008, 15, 032504.	1.9	38
97	Pedestal density fluctuation dynamics during the inter-ELM cycle in DIII-D. Physics of Plasmas, 2011, 18, 056117.	1.9	38
98	Demonstration of ITER operational scenarios on DIII-D. Nuclear Fusion, 2010, 50, 075005.	3.5	37
99	Influence of global beta, shape, and rotation on the H-mode pedestal structure in DIII-D. Physics of Plasmas, 2008, 15, .	1.9	36
100	Super H-mode: theoretical prediction and initial observations of a new high performance regime for tokamak operation. Nuclear Fusion, 2015, 55, 083026.	3.5	36
101	Stationary QH-mode plasmas with high and wide pedestal at low rotation on DIII-D. Nuclear Fusion, 2017, 57, 022007.	3.5	36
102	Modelling of ELM dynamics for DIII-D and ITER. Plasma Physics and Controlled Fusion, 2007, 49, S63-S75.	2.1	35
103	Linear gyrokinetic analysis of a DIII-D H-mode pedestal near the ideal ballooning threshold. Nuclear Fusion, 2012, 52, 103015.	3.5	35
104	Edge-localized mode avoidance and pedestal structure in I-mode plasmas. Physics of Plasmas, 2014, 21, 056103.	1.9	35
105	Quasi-coherent fluctuations limiting the pedestal growth on Alcator C-Mod: experiment and modelling. Nuclear Fusion, 2015, 55, 053003.	3.5	35
106	MINERVA: Ideal MHD stability code for toroidally rotating tokamak plasmas. Computer Physics Communications, 2009, 180, 1282-1304.	7.5	34
107	Limits to the H-mode pedestal pressure gradient in DIII-D. Nuclear Fusion, 2010, 50, 064002.	3.5	34
108	Characterization of small, Type V edge-localized modes in the National Spherical Torus Experiment. Physics of Plasmas, 2006, 13, 092510.	1.9	33

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109	Nonlinear MHD simulations of Quiescent H-mode plasmas in DIII-D. Nuclear Fusion, 2015, 55, 113002.	3.5	33
110	Assessment of operational space for long-pulse scenarios in ITER. Nuclear Fusion, 2015, 55, 063019.	3.5	33
111	Measurement of edge currents in DIII-D and their implication for pedestal stability. Physics of Plasmas, 2005, 12, 056123.	1.9	32
112	The role of magnetic geometry on the poloidal distribution of ELM-induced peak particle flux at the divertor targets in DIII-D. Nuclear Fusion, 2003, 43, 910-913.	3.5	31
113	ECE-imaging of the H-mode pedestal (invited). Review of Scientific Instruments, 2012, 83, 10E329.	1.3	31
114	Edge-Localized-Mode–Induced Transport of Impurity Density, Energy, and Momentum. Physical Review Letters, 2005, 94, 225001.	7.8	30
115	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
116	Pedestal study across a deuterium fuelling scan for high <i>δ</i> ELMy H-mode plasmas on JET with the carbon wall. Nuclear Fusion, 2013, 53, 083028.	3.5	29
117	A fusion development facility on the critical path to fusion energy. Nuclear Fusion, 2011, 51, 083019.	3.5	28
118	Progress in characterization of the pedestal stability and turbulence during the edge-localized-mode cycle on National Spherical Torus Experiment. Nuclear Fusion, 2013, 53, 093026.	3.5	28
119	Rotational shear effects on edge harmonic oscillations in DIII-D quiescent H-mode discharges. Nuclear Fusion, 2016, 56, 076011.	3.5	28
120	Access to pedestal pressure relevant to burning plasmas on the high magnetic field tokamak Alcator C-Mod. Nuclear Fusion, 2018, 58, 112003.	3.5	28
121	Quiescent H-mode operation using torque from non-axisymmetric, non-resonant magnetic fields. Nuclear Fusion, 2013, 53, 073038.	3.5	27
122	The advanced tokamak path to a compact net electric fusion pilot plant. Nuclear Fusion, 2021, 61, 046028.	3.5	27
123	Bifurcation of quiescent H-mode to a wide pedestal regime in DIII-D and advances in the understanding of edge harmonic oscillations. Nuclear Fusion, 2017, 57, 086008.	3.5	26
124	Turbulence simulations of X point physics in the L-H transition*. Nuclear Fusion, 2002, 42, 21-27.	3.5	25
125	Comparison of hybrid and baseline ELMy H-mode confinement in JET with the carbon wall. Nuclear Fusion, 2013, 53, 013001.	3.5	25
126	Advances in the steady-state hybrid regime in DIII-D—a fully non-inductive, ELM-suppressed scenario for ITER. Nuclear Fusion, 2017, 57, 116057.	3.5	25

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127	Integrated modeling of high <i>β_N</i> steady state scenario on DIII-D. Physics of Plasmas, 2018, 25, 012506.	1.9	25
128	Ballooning instability preventing the H-mode access in plasmas with negative triangularity shape on the DIII–D tokamak. Plasma Physics and Controlled Fusion, 2021, 63, 105006.	2.1	25
129	Theory and Simulation Basis for Magnetohydrodynamic Stability in DIII-D. Fusion Science and Technology, 2005, 48, 875-905.	1.1	24
130	Edge localized modes control: experiment and theory. Journal of Nuclear Materials, 2005, 337-339, 677-683.	2.7	24
131	Edge Plasma in Snowflake Divertor. Contributions To Plasma Physics, 2010, 50, 350-355.	1.1	23
132	Connection between plasma response and resonant magnetic perturbation (RMP) edge localized mode (ELM) suppression in DIII-D. Plasma Physics and Controlled Fusion, 2015, 57, 104006.	2.1	23
133	Validation studies of gyrofluid and gyrokinetic predictions of transport and turbulence stiffness using the DIII-D tokamak. Nuclear Fusion, 2013, 53, 083027.	3.5	22
134	Characterization of the pedestal in Alcator C-Mod ELMing H-modes and comparison with the EPED model. Nuclear Fusion, 2012, 52, 063011.	3.5	21
135	Linear calculations of edge current driven kink modes with BOUT++ code. Physics of Plasmas, 2014, 21,	1.9	21
136	An overview of recent physics results from NSTX. Nuclear Fusion, 2015, 55, 104002.	3.5	21
137	Pedestal performance dependence upon plasma shape in DIII-D. Nuclear Fusion, 2007, 47, 552-562.	3.5	20
138	Pedestal and core confinement of hybrid scenario in ASDEX Upgrade and DIII-D. Nuclear Fusion, 2010, 50, 025023.	3.5	20
139	Impact of plasma response on plasma displacements in DIII-D during application of external 3D perturbations. Nuclear Fusion, 2014, 54, 064007.	3.5	20
140	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
141	Edge stability of the ELM-free quiescent H-mode on DIII-D. Nuclear Fusion, 2005, 45, 1708-1714.	3.5	19
142	Results from radiating divertor experiments with RMP ELM suppression and mitigation. Nuclear Fusion, 2011, 51, 073003.	3.5	19
143	Pedestal characterization and stability of small-ELM regimes in NSTX. Nuclear Fusion, 2011, 51, 103022.	3.5	17
144	External heating and current drive source requirements towards steady-state operation in ITER. Nuclear Fusion, 2014, 54, 073007.	3.5	17

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145	Compatibility of detached divertor operation with robust edge pedestal performance. Journal of Nuclear Materials, 2015, 463, 519-523.	2.7	17
146	Influence of high magnetic field on access to stationary H-modes and pedestal characteristics in Alcator C-Mod. Nuclear Fusion, 2018, 58, 046004.	3.5	17
147	Effects of divertor geometry on H-mode pedestal structure in attached and detached plasmas in the DIII-D tokamak. Nuclear Fusion, 2018, 58, 096014.	3.5	17
148	Theory-based model for the pedestal, edge stability and ELMs in tokamaks. Nuclear Fusion, 2006, 46, 403-411.	3.5	16
149	Suppression of type-I ELMs with reduced RMP coil set on DIII-D. Nuclear Fusion, 2016, 56, 036020.	3.5	16
150	Advances in understanding of high- <i>Z</i> material erosion and re-deposition in low- <i>Z</i> wall environment in DIII-D. Nuclear Fusion, 2017, 57, 056016.	3.5	16
151	Projections of H-mode access and edge pedestal in the SPARC tokamak. Journal of Plasma Physics, 2020, 86, .	2.1	16
152	Coupled simulation of kinetic pedestal growth and MHD ELM crash. Journal of Physics: Conference Series, 2007, 78, 012087.	0.4	15
153	Impact of inward turbulence spreading on energy loss of edge-localized modes. Physics of Plasmas, 2015, 22, .	1.9	15
154	Core plasma physics basis and its impacts on the FNSF. Fusion Engineering and Design, 2018, 135, 356-369.	1.9	15
155	Alcator C-Mod: research in support of ITER and steps beyond. Nuclear Fusion, 2015, 55, 104020.	3.5	14
156	The impact of collisionality, FLR, and parallel closure effects on instabilities in the tokamak pedestal: Numerical studies with the NIMROD code. Physics of Plasmas, 2016, 23, 062123.	1.9	14
157	Pedestal evolution physics in low triangularity JET tokamak discharges with ITER-like wall. Nuclear Fusion, 2018, 58, 016021.	3.5	14
158	On the stability and stationarity of the Super H-mode combined with an ion transport barrier in the core. Plasma Physics and Controlled Fusion, 2021, 63, 025017.	2.1	14
159	Dynamics of kinetic geodesic-acoustic modes and the radial electric field in tokamak neoclassical plasmas. Nuclear Fusion, 2009, 49, 065023.	3.5	13
160	Overview of experimental results and code validation activities at Alcator C-Mod. Nuclear Fusion, 2013, 53, 104004.	3.5	13
161	Predict-first experimental analysis using automated and integrated magnetohydrodynamic modeling. Physics of Plasmas, 2018, 25, .	1.9	13
162	ERO modeling and analysis of tungsten erosion and migration from a toroidally symmetric source in the DIII-D divertor. Nuclear Fusion, 2020, 60, 016018.	3.5	13

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163	Optimizing the Super H-mode pedestal to improve performance and facilitate divertor integration. Physics of Plasmas, 2020, 27, 102506.	1.9	13
164	Grassy ELM regime at low pedestal collisionality in high-power tokamak plasma. Nuclear Fusion, 2021, 61, 016032.	3.5	13
165	Fusion pilot plant performance and the role of a sustained high power density tokamak. Nuclear Fusion, 2022, 62, 036026.	3.5	13
166	Numerical Method for the Stability Analysis of Ideal MHD Modes with a Wide Range of Toroidal Mode Numbers in Tokamaks. Plasma and Fusion Research, 2007, 2, 010-010.	0.7	12
167	Extending the physics basis of quiescent H-mode toward ITER relevant parameters. Nuclear Fusion, 2015, 55, 073031.	3.5	12
168	The energy confinement response of DIII-D plasmas to resonant magnetic perturbations. Nuclear Fusion, 2017, 57, 116030.	3.5	12
169	Real-time pedestal optimization and ELM control with 3D fields and gas flows on DIII-D. Nuclear Fusion, 2020, 60, 076004.	3.5	12
170	An Understanding of H-Mode Pedestal Instabilities in the DIII-D Tokamak. Fusion Science and Technology, 2005, 48, 931-944.	1.1	11
171	MHD modeling of a DIII-D low-torque QH-mode discharge and comparison to observations. Physics of Plasmas, 2017, 24, .	1.9	11
172	Achieving a robust grassy-ELM operation regime in CFETR. Nuclear Fusion, 2020, 60, 046014.	3.5	11
173	Edge localized modes in DIII-D high performance discharges. Plasma Physics and Controlled Fusion, 2003, 45, 1845-1872.	2.1	10
174	Integrated ELM Modelling. Contributions To Plasma Physics, 2006, 46, 726-738.	1.1	10
175	Calculation of the vacuum Green's function valid even for high toroidal mode numbers in tokamaks. Journal of Computational Physics, 2007, 221, 330-348.	3.8	10
176	Dependence of resonant magnetic perturbation experiments on the DIII-D plasma shape. Nuclear Fusion, 2010, 50, 064005.	3.5	10
177	Overview of physics results from NSTX. Nuclear Fusion, 2011, 51, 094011.	3.5	10
178	NIMROD modeling of quiescent H-mode: reconstruction considerations and saturation mechanism. Nuclear Fusion, 2017, 57, 022002.	3.5	10
179	Ideal MHD stability and characteristics of edge localized modes on CFETR. Nuclear Fusion, 2018, 58, 016018.	3.5	10
180	On the prediction and monitoring of tungsten prompt redeposition in tokamak divertors. Nuclear Materials and Energy, 2021, 27, 100948.	1.3	10

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181	Pedestal profiles during QH-mode operation on DIII-D. Plasma Physics and Controlled Fusion, 2004, 46, A179-A186.	2.1	9
182	Pedestal Studies in DIII-D. Fusion Science and Technology, 2005, 48, 1011-1020.	1.1	9
183	ELM suppression by resonant magnetic perturbation in high-performance, stationary plasmas. Nuclear Fusion, 2010, 50, 045006.	3.5	9
184	Varying the pre-discharge lithium wall coatings to alter the characteristics of the ELM-free H-mode pedestal in NSTX. Journal of Nuclear Materials, 2013, 438, S979-S982.	2.7	9
185	Effects of surface processes on hydrogen outgassing from metal in desorption experiments. Nuclear Fusion, 2019, 59, 096042.	3.5	9
186	Advances in prediction of tokamak experiments with theory-based models. Nuclear Fusion, 0, , .	3.5	9
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