

Philip Benjamin Snyder

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fluid turbulence simulations of divertor heat load for ITER hybrid scenario using BOUT++. Nuclear Fusion, 2022, 62, 026024.	3.5	4
2	Fusion pilot plant performance and the role of a sustained high power density tokamak. Nuclear Fusion, 2022, 62, 036026.	3.5	13
3	Understanding the core confinement in DIII-D super-H experiments by transport modeling. Nuclear Fusion, 2022, 62, 086017.	3.5	2
4	Equilibrium reconstruction of DIII-D plasmas using predictive modeling of the pressure profile. Physics of Plasmas, 2022, 29, 062502.	1.9	0
5	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
6	Impact of shape on pedestal characteristics in the wide pedestal quiescent H-mode in the DIII-D tokamak. Nuclear Fusion, 2021, 61, 036032.	3.5	2
7	Pedestal stability analysis on MAST in preparation for MAST-U. Nuclear Fusion, 2021, 61, 046041.	3.5	3
8	The advanced tokamak path to a compact net electric fusion pilot plant. Nuclear Fusion, 2021, 61, 046028.	3.5	27
9	Evolution of ELMs, pedestal profiles and fluctuations in the inter-ELM period in NBI- and ECH-dominated discharges in DIII-D. Nuclear Fusion, 2021, 61, 056008.	3.5	7
10	Role of microtearing mode in DIII-D and future high- β_p core plasmas. Physics of Plasmas, 2021, 28, .	1.9	8
11	On the prediction and monitoring of tungsten prompt redeposition in tokamak divertors. Nuclear Materials and Energy, 2021, 27, 100948.	1.3	10
12	Study of H-mode pedestal model for helium plasmas in DIII-D. Nuclear Fusion, 2021, 61, 096002.	3.5	0
13	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
14	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
15	Grassy ELM regime at low pedestal collisionality in high-power tokamak plasma. Nuclear Fusion, 2021, 61, 016032.	3.5	13
16	Development of an integrated core-edge scenario using the super H-mode. Nuclear Fusion, 2021, 61, 126064.	3.5	2
17	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
18	Effects of the Chodura sheath on tungsten ionization and emission in tokamak divertors. Contributions To Plasma Physics, 2020, 60, e201900140.	1.1	3

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19	Overview of the SPARC tokamak. Journal of Plasma Physics, 2020, 86, .	2.1	181
20	Optimizing the Super H-mode pedestal to improve performance and facilitate divertor integration. Physics of Plasmas, 2020, 27, 102506.	1.9	13
21	Projections of H-mode access and edge pedestal in the SPARC tokamak. Journal of Plasma Physics, 2020, 86, .	2.1	16
22	H-mode pedestal improvements with neon injection in DIII-D. Nuclear Fusion, 2020, 60, 056013.	3.5	6
23	Achieving a robust grassy-ELM operation regime in CFETR. Nuclear Fusion, 2020, 60, 046014.	3.5	11
24	Real-time pedestal optimization and ELM control with 3D fields and gas flows on DIII-D. Nuclear Fusion, 2020, 60, 076004.	3.5	12
25	Impact of rotation and ion diamagnetic drift on MHD stability at edge pedestal in quiescent H-mode plasmas. Nuclear Fusion, 2020, 60, 092005.	3.5	6
26	Peeling-ballooning stability of tokamak plasmas with applied 3D magnetic fields. Nuclear Fusion, 2020, 60, 106003.	3.5	1
27	Study of H-mode pedestal predictive model on EAST tokamak. Plasma Physics and Controlled Fusion, 2020, 62, 115007.	2.1	7
28	Non-axisymmetric equilibrium and stability using the ELITE stability code. Nuclear Fusion, 2019, 59, 126028.	3.5	1
29	High fusion performance in Super H-mode experiments on Alcator C-Mod and DIII-D. Nuclear Fusion, 2019, 59, 086017.	3.5	48
30	Effects of surface processes on hydrogen outgassing from metal in desorption experiments. Nuclear Fusion, 2019, 59, 096042.	3.5	9
31	Reduced model of high-Z impurity redeposition and erosion in tokamak divertor and its application to DIII-D experiments. Plasma Physics and Controlled Fusion, 2019, 61, 125015.	2.1	6
32	Stability analysis of ELMs in long-pulse discharges with ELITE code on EAST tokamak. Plasma Physics and Controlled Fusion, 2018, 60, 055002.	2.1	5
33	Ideal MHD stability and characteristics of edge localized modes on CFETR. Nuclear Fusion, 2018, 58, 016018.	3.5	10
34	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
35	Integrated modeling of high β_N steady state scenario on DIII-D. Physics of Plasmas, 2018, 25, 012506.	1.9	25
36	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

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37	Core plasma physics basis and its impacts on the FNSF. Fusion Engineering and Design, 2018, 135, 356-369.	1.9	15
38	Pedestal evolution physics in low triangularity JET tokamak discharges with ITER-like wall. Nuclear Fusion, 2018, 58, 016021.	3.5	14
39	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
40	Predict-first experimental analysis using automated and integrated magnetohydrodynamic modeling. Physics of Plasmas, 2018, 25, .	1.9	13
41	Advances in understanding of high-Z material erosion and re-deposition in low-Z wall environment in DIII-D. Nuclear Fusion, 2017, 57, 056016.	3.5	16
42	Self-consistent core-pedestal transport simulations with neural network accelerated models. Nuclear Fusion, 2017, 57, 086034.	3.5	78
43	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
44	Investigation of the plasma shaping effects on the H-mode pedestal structure using coupled kinetic neoclassical/MHD stability simulations. Physics of Plasmas, 2017, 24, .	1.9	7
45	Contribution to the multi-machine pedestal scaling from the COMPASS tokamak. Nuclear Fusion, 2017, 57, 056041.	3.5	6
46	MHD modeling of a DIII-D low-torque QH-mode discharge and comparison to observations. Physics of Plasmas, 2017, 24, .	1.9	11
47	High-Z material erosion and its control in DIII-D carbon divertor. Nuclear Materials and Energy, 2017, 12, 247-252.	1.3	4
48	CFETR equilibrium with self-consistent pedestal structure. Fusion Engineering and Design, 2017, 122, 29-34.	1.9	3
49	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
50	The energy confinement response of DIII-D plasmas to resonant magnetic perturbations. Nuclear Fusion, 2017, 57, 116030.	3.5	12
51	NIMROD modeling of quiescent H-mode: reconstruction considerations and saturation mechanism. Nuclear Fusion, 2017, 57, 022002.	3.5	10
52	Stationary QH-mode plasmas with high and wide pedestal at low rotation on DIII-D. Nuclear Fusion, 2017, 57, 022007.	3.5	36
53	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
54	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

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55	The impact of collisionality, FLR, and parallel closure effects on instabilities in the tokamak pedestal: Numerical studies with the NIMROD code. <i>Physics of Plasmas</i> , 2016, 23, 062123.	1.9	14
56	Microturbulence in DIII-D tokamak pedestal. III. Effects of collisions. <i>Physics of Plasmas</i> , 2016, 23, 122507.	1.9	6
57	Integrated fusion simulation with self-consistent core-pedestal coupling. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	56
58	Rotational shear effects on edge harmonic oscillations in DIII-D quiescent H-mode discharges. <i>Nuclear Fusion</i> , 2016, 56, 076011.	3.5	28
59	Suppression of type-I ELMs with reduced RMP coil set on DIII-D. <i>Nuclear Fusion</i> , 2016, 56, 036020.	3.5	16
60	Simulation of gross and net erosion of high-Z materials in the DIII-D divertor. <i>Nuclear Fusion</i> , 2016, 56, 016021.	3.5	41
61	Evolution of E \times B shear and coherent fluctuations prior to H-L transitions in DIII-D and control strategies for H-L transitions. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	5
62	Compatibility of detached divertor operation with robust edge pedestal performance. <i>Journal of Nuclear Materials</i> , 2015, 463, 519-523.	2.7	17
63	Nonlinear MHD simulations of Quiescent H-mode plasmas in DIII-D. <i>Nuclear Fusion</i> , 2015, 55, 113002.	3.5	33
64	The ARIES Advanced and Conservative Tokamak Power Plant Study. <i>Fusion Science and Technology</i> , 2015, 67, 1-21.	1.1	47
65	Physics Basis for an Advanced Physics and Advanced Technology Tokamak Power Plant Configuration: ARIES-ACT1. <i>Fusion Science and Technology</i> , 2015, 67, 75-106.	1.1	8
66	The H-mode pedestal structure and its role on confinement in JET with a carbon and metal wall. <i>Nuclear Fusion</i> , 2015, 55, 013019.	3.5	43
67	Advances in the physics understanding of ELM suppression using resonant magnetic perturbations in DIII-D. <i>Nuclear Fusion</i> , 2015, 55, 023002.	3.5	62
68	Pedestal Bifurcation and Resonant Field Penetration at the Threshold of Edge-Localized Mode Suppression in the DIII-D Tokamak. <i>Physical Review Letters</i> , 2015, 114, 105002.	7.8	141
69	Alcator C-Mod: research in support of ITER and steps beyond. <i>Nuclear Fusion</i> , 2015, 55, 104020.	3.5	14
70	The quiescent H-mode regime for high performance edge localized mode-stable operation in future	1.9	45
71	Impact of inward turbulence spreading on energy loss of edge-localized modes. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	15
72	Investigation of peeling-ballooning stability prior to transient outbursts accompanying transitions out of H-mode in DIII-D. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	6

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73	Integrated modeling applications for tokamak experiments with OMFIT. Nuclear Fusion, 2015, 55, 083008.	3.5	246
74	Correlations between quasi-coherent fluctuations and the pedestal evolution during the inter-edge	1.9	69
75	Quasi-coherent fluctuations limiting the pedestal growth on Alcator C-Mod: experiment and modelling. Nuclear Fusion, 2015, 55, 053003.	3.5	35
76	Assessment of operational space for long-pulse scenarios in ITER. Nuclear Fusion, 2015, 55, 063019.	3.5	33
77	Enhanced H-mode pedestals with lithium injection in DIII-D. Nuclear Fusion, 2015, 55, 063018.	3.5	123
78	An overview of recent physics results from NSTX. Nuclear Fusion, 2015, 55, 104002.	3.5	21
79	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
80	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
81	Extending the physics basis of quiescent H-mode toward ITER relevant parameters. Nuclear Fusion, 2015, 55, 073031.	3.5	12
82	Global and pedestal confinement in JET with a Be/W metallic wall. Nuclear Fusion, 2014, 54, 043001.	3.5	47
83	External heating and current drive source requirements towards steady-state operation in ITER. Nuclear Fusion, 2014, 54, 073007.	3.5	17
84	20 years of research on the Alcator C-Mod tokamak. Physics of Plasmas, 2014, 21, .	1.9	88
85	Edge-localized mode avoidance and pedestal structure in I-mode plasmas. Physics of Plasmas, 2014, 21, 056103.	1.9	35
86	Linear calculations of edge current driven kink modes with BOUT++ code. Physics of Plasmas, 2014, 21, .	1.9	21
87	Observation of Edge Instability Limiting the Pedestal Growth in Tokamak Plasmas. Physical Review Letters, 2014, 112, 115001.	7.8	78
88	Impact of plasma response on plasma displacements in DIII-D during application of external 3D perturbations. Nuclear Fusion, 2014, 54, 064007.	3.5	20
89	Access to a New Plasma Edge State with High Density and Pressures using the Quiescent H Mode. Physical Review Letters, 2014, 113, 135001.	7.8	53
90	Dynamics of energetic particle driven modes and MHD modes in wall-stabilized high- β^2 plasmas on JT-60U and DIII-D. Nuclear Fusion, 2013, 53, 123022.	3.5	6

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91	Overview of physics results from the conclusive operation of the National Spherical Torus Experiment. Nuclear Fusion, 2013, 53, 104007.	3.5	53
92	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
93	Modelling of hybrid scenario: from present-day experiments towards ITER. Nuclear Fusion, 2013, 53, 073024.	3.5	4
94	Gyro-fluid and two-fluid theory and simulations of edge-localized-modes. Physics of Plasmas, 2013, 20, .	1.9	42
95	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
96	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
97	Pedestal study across a deuterium fuelling scan for high- β -ELMy H-mode plasmas on JET with the carbon wall. Nuclear Fusion, 2013, 53, 083028.	3.5	29
98	Improved understanding of physics processes in pedestal structure, leading to improved predictive capability for ITER. Nuclear Fusion, 2013, 53, 093024.	3.5	59
99	Sustained suppression of type-I edge-localized modes with dominantly $n = 2$ magnetic fields in DIII-D. Nuclear Fusion, 2013, 53, 083019.	3.5	46
100	Comparison of hybrid and baseline ELMy H-mode confinement in JET with the carbon wall. Nuclear Fusion, 2013, 53, 013001.	3.5	25
101	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
102	Quiescent H-mode operation using torque from non-axisymmetric, non-resonant magnetic fields. Nuclear Fusion, 2013, 53, 073038.	3.5	27
103	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
104	Reduction of Edge-Localized Mode Intensity Using High-Repetition-Rate Pellet Injection in Tokamak $\langle \mathbb{H} \rangle$ -Mode Plasmas. Physical Review Letters, 2013, 110, 245001.	7.8	100
105	The effect of a metal wall on confinement in JET and ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2013, 55, 124043.	2.1	70
106	Overview of experimental results and code validation activities at Alcator C-Mod. Nuclear Fusion, 2013, 53, 104004.	3.5	13
107	Initial results of the high resolution edge Thomson scattering upgrade at DIII-D. Review of Scientific Instruments, 2012, 83, 10E343.	1.3	58
108	Linear gyrokinetic analysis of a DIII-D H-mode pedestal near the ideal ballooning threshold. Nuclear Fusion, 2012, 52, 103015.	3.5	35

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109	Differences in the H-mode pedestal width of temperature and density. Plasma Physics and Controlled Fusion, 2012, 54, 105009.	2.1	47
110	Global Gyrokinetic Simulation of Tokamak Edge Pedestal Instabilities. Physical Review Letters, 2012, 109, 185004.	7.8	48
111	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
112	ECE-imaging of the H-mode pedestal (invited). Review of Scientific Instruments, 2012, 83, 10E329.	1.3	31
113	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
114	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
115	Reactor-relevant quiescent H-mode operation using torque from non-axisymmetric, non-resonant magnetic fields. Physics of Plasmas, 2012, 19, .	1.9	44
116	Overview of physics results from NSTX. Nuclear Fusion, 2011, 51, 094011.	3.5	10
117	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
118	Fusion Nuclear Science Facility Candidates. Fusion Science and Technology, 2011, 59, 279-307.	1.1	79
119	First results examining the compatibility of RMP ELM suppression with the radiating divertor in DIII-D. Journal of Nuclear Materials, 2011, 415, S906-S909.	2.7	5
120	Toroidally resolved structure of divertor heat flux in RMP H-mode discharges on DIII-D. Journal of Nuclear Materials, 2011, 415, S901-S905.	2.7	8
121	High-Frequency Coherent Edge Fluctuations in a High-Pedestal-Pressure Quiescent H-Mode Plasma. Physical Review Letters, 2011, 107, 055004.	7.8	60
122	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
123	Advances towards QH-mode viability for ELM-stable operation in ITER. Nuclear Fusion, 2011, 51, 083018.	3.5	116
124	Pedestal characterization and stability of small-ELM regimes in NSTX. Nuclear Fusion, 2011, 51, 103022.	3.5	17
125	Simulation of edge localized modes using BOUT++. Plasma Physics and Controlled Fusion, 2011, 53, 054005.	2.1	60
126	Results from radiating divertor experiments with RMP ELM suppression and mitigation. Nuclear Fusion, 2011, 51, 073003.	3.5	19

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127	Nonlinear ELM simulations based on a nonideal peelingâ€“ballooning model using the BOUT++ code. Nuclear Fusion, 2011, 51, 103040.	3.5	65
128	Integrated modelling of steady-state scenarios and heating and current drive mixes for ITER. Nuclear Fusion, 2011, 51, 103006.	3.5	44
129	A fusion development facility on the critical path to fusion energy. Nuclear Fusion, 2011, 51, 083019.	3.5	28
130	Pedestal density fluctuation dynamics during the inter-ELM cycle in DIII-D. Physics of Plasmas, 2011, 18, 056117.	1.9	38
131	H-mode pedestal scaling in DIII-D, ASDEX Upgrade, and JET. Physics of Plasmas, 2011, 18, 056120.	1.9	76
132	Physics Basis of a Fusion Development Facility Utilizing the Tokamak Approach. Fusion Science and Technology, 2010, 57, 66-93.	1.1	48
133	Edge Plasma in Snowflake Divertor. Contributions To Plasma Physics, 2010, 50, 350-355.	1.1	23
134	Numerical analysis of the effects of normalized plasma pressure on RMP ELM suppression in DIII-D. Nuclear Fusion, 2010, 50, 034010.	3.5	8
135	ELM suppression by resonant magnetic perturbation in high-performance, stationary plasmas. Nuclear Fusion, 2010, 50, 045006.	3.5	9
136	Dependence of resonant magnetic perturbation experiments on the DIII-D plasma shape. Nuclear Fusion, 2010, 50, 064005.	3.5	10
137	Limits to the H-mode pedestal pressure gradient in DIII-D. Nuclear Fusion, 2010, 50, 064002.	3.5	34
138	Demonstration of ITER operational scenarios on DIII-D. Nuclear Fusion, 2010, 50, 075005.	3.5	37
139	Pedestal and core confinement of hybrid scenario in ASDEX Upgrade and DIII-D. Nuclear Fusion, 2010, 50, 025023.	3.5	20
140	ELM destabilization by externally applied non-axisymmetric magnetic perturbations in NSTX. Nuclear Fusion, 2010, 50, 034012.	3.5	49
141	Ideal and resistive edge stability calculations with M3D-C1. Physics of Plasmas, 2010, 17, 102508.	1.9	58
142	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
143	Edge localized linear ideal magnetohydrodynamic instability studies in an extended-magnetohydrodynamic code. Physics of Plasmas, 2010, 17, 032103.	1.9	42
144	On Demand Triggering of Edge Localized Instabilities Using External Nonaxisymmetric Magnetic Perturbations in Toroidal Plasmas. Physical Review Letters, 2010, 104, 045001.	7.8	66

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145	Edge-Localized-Mode Suppression through Density-Profile Modification with Lithium-Wall Coatings in the National Spherical Torus Experiment. <i>Physical Review Letters</i> , 2009, 103, 075001.	7.8	154
146	Optimizing stability, transport, and divertor operation through plasma shaping for steady-state scenario development in DIII-D. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	42
147	Development and validation of a predictive model for the pedestal height. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	285
148	Dynamics of kinetic geodesic-acoustic modes and the radial electric field in tokamak neoclassical plasmas. <i>Nuclear Fusion</i> , 2009, 49, 065023.	3.5	13
149	Pedestal width and ELM size identity studies in JET and DIII-D; implications for ITER. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 124051.	2.1	44
150	Progress towards a predictive model for pedestal height in DIII-D. <i>Nuclear Fusion</i> , 2009, 49, 085037.	3.5	54
151	Overview of the results on divertor heat loads in RMP controlled H-mode plasmas on DIII-D. <i>Nuclear Fusion</i> , 2009, 49, 095013.	3.5	136
152	On the onset of type I edge localized modes. <i>Nuclear Fusion</i> , 2009, 49, 032001.	3.5	5
153	BOUT++: A framework for parallel plasma fluid simulations. <i>Computer Physics Communications</i> , 2009, 180, 1467-1480.	7.5	350
154	MINERVA: Ideal MHD stability code for toroidally rotating tokamak plasmas. <i>Computer Physics Communications</i> , 2009, 180, 1282-1304.	7.5	34
155	Quiescent H-Mode Plasmas with Strong Edge Rotation in the Cocurrent Direction. <i>Physical Review Letters</i> , 2009, 102, 155003.	7.8	70
156	Edge pedestal control in quiescent H-mode discharges in DIII-D using co-plus counter-neutral beam injection. <i>Nuclear Fusion</i> , 2009, 49, 085024.	3.5	74
157	Pedestal stability comparison and ITER pedestal prediction. <i>Nuclear Fusion</i> , 2009, 49, 085035.	3.5	179
158	Overview of results from the National Spherical Torus Experiment (NSTX). <i>Nuclear Fusion</i> , 2009, 49, 104016.	3.5	41
159	Principal physics developments evaluated in the ITER design review. <i>Nuclear Fusion</i> , 2009, 49, 065012.	3.5	200
160	Edge stability of stationary ELM-suppressed regimes on DIII-D. <i>Journal of Physics: Conference Series</i> , 2008, 123, 012014.	0.4	75
161	Experiments and simulation of edge turbulence and filaments in MAST. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 124012.	2.1	60
162	Effect of island overlap on edge localized mode suppression by resonant magnetic perturbations in DIII-D. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	139

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163	Influence of global beta, shape, and rotation on the H-mode pedestal structure in DIII-D. Physics of Plasmas, 2008, 15, .	1.9	36
164	Fast imaging of edge localized mode structure and dynamics in DIII-D. Physics of Plasmas, 2008, 15, 032504.	1.9	38
165	Modelling of ELM dynamics for DIII-D and ITER. Plasma Physics and Controlled Fusion, 2007, 49, S63-S75.	2.1	35
166	Edge gyrokinetic theory and continuum simulations. Nuclear Fusion, 2007, 47, 809-816.	3.5	46
167	Pedestal performance dependence upon plasma shape in DIII-D. Nuclear Fusion, 2007, 47, 552-562.	3.5	20
168	Coupled simulation of kinetic pedestal growth and MHD ELM crash. Journal of Physics: Conference Series, 2007, 78, 012087.	0.4	15
169	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
170	Initial results of H-mode edge pedestal turbulence evolution with quadrature reflectometer measurements on DIII-D. Journal of Nuclear Materials, 2007, 363-365, 534-538.	2.7	1
171	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
172	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
173	Density and temperature profile modifications with electron cyclotron power injection in quiescent double barrier discharges on DIII-D. Plasma Physics and Controlled Fusion, 2006, 48, A35-A43.	2.1	6
174	Edge stability and transport control with resonant magnetic perturbations in collisionless tokamak plasmas. Nature Physics, 2006, 2, 419-423.	16.7	538
175	Physics basis for the advanced tokamak fusion power plant, ARIES-AT. Fusion Engineering and Design, 2006, 80, 25-62.	1.9	43
176	Integrated ELM Modelling. Contributions To Plasma Physics, 2006, 46, 726-738.	1.1	10
177	Theory-based model for the pedestal, edge stability and ELMs in tokamaks. Nuclear Fusion, 2006, 46, 403-411.	3.5	16
178	Survey of Type I ELM dynamics measurements. Plasma Physics and Controlled Fusion, 2006, 48, A149-A162.	2.1	43
179	Characterization of small, Type V edge-localized modes in the National Spherical Torus Experiment. Physics of Plasmas, 2006, 13, 092510.	1.9	33
180	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

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