J W Hughes

List of Publications by Year
in descending order

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185 papers	7,188 citations	44042 48 h-index	74108 75 g-index
185 all docs	185 docs citations	185 times ranked	2500 citing authors

#	Article	IF	Citations
1	I-mode pedestal relaxation events in the Alcator C-Mod and ASDEX Upgrade tokamaks. Nuclear Fusion, 2022, 62, 036004.	1.6	7
2	Overview of the SPARC physics basis towards the exploration of burning-plasma regimes in high-field, compact tokamaks. Nuclear Fusion, 2022, 62, 042003.	1.6	37
3	Deep modeling of plasma and neutral fluctuations from gas puff turbulence imaging. Review of Scientific Instruments, 2022, 93, 063504.	0.6	4
4	Dimensionless parameter scaling of intrinsic torque in C-Mod enhanced confinement plasmas. Nuclear Fusion, 2021, 61, 026013.	1.6	8
5	Impact of shape on pedestal characteristics in the wide pedestal quiescent H-mode in the DIII-D tokamak. Nuclear Fusion, 2021, 61, 036032.	1.6	2
6	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, .	0.7	22
7	A 1D Lyman-alpha profile camera for plasma edge neutral studies on the DIII-D tokamak. Review of Scientific Instruments, 2021, 92, 033523.	0.6	12
8	Absolute calibration of the Lyman-Î± measurement apparatus at DIII-D. Review of Scientific Instruments, 2021, 92, 033522.	0.6	9
9	Feasibility study for a high-k temperature fluctuation diagnostic based on soft x-ray imaging. Review of Scientific Instruments, 2021, 92, 053537.	0.6	1
10	Contamination of argon x-ray spectra by tungsten and other elements commonly found in tokamaks. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 095701.	0.6	1
11	The role of edge fueling in determining the pedestal density in high neutral opacity Alcator C-Mod experiments. Nuclear Materials and Energy, 2021, 27, 100971.	0.6	9
12	Uncovering turbulent plasma dynamics via deep learning from partial observations. Physical Review E, 2021, 104, 025205.	0.8	29
13	The very high n Rydberg series of Ar¹⁶⁺ in Alcator C-Mod tokamak plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 175701.	0.6	1
14	Experimental inference of neutral and impurity transport in Alcator C-Mod using high-resolution x-ray and ultra-violet spectra. Nuclear Fusion, 2021, 61, 126060.	1.6	8
15	Development of an integrated coreâ€“edge scenario using the super H-mode. Nuclear Fusion, 2021, 61, 126064.	1.6	2
16	Turbulent field fluctuations in gyrokinetic and fluid plasmas. Physics of Plasmas, 2021, 28, 112301.	0.7	4
17	Quantifying Experimental Edge Plasma Evolution Via Multidimensional Adaptive Gaussian Process Regression. IEEE Transactions on Plasma Science, 2021, 49, 3841-3847.	0.6	6
18	X-ray observations of Ne-like Xe and satellites from C-Mod tokamak plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 055701.	0.6	5

#	Article	IF	Citations
19	Predictions of core plasma performance for the SPARC tokamak. Journal of Plasma Physics, 2020, 86, .	0.7	45
20	Overview of the SPARC tokamak. Journal of Plasma Physics, 2020, 86, .	0.7	181
21	Role of the edge and scrape-off layer plasma in lower hybrid current drive experiment on Alcator C-Mod. AIP Conference Proceedings, 2020, , .	0.3	5
22	Divertor heat flux challenge and mitigation in SPARC. Journal of Plasma Physics, 2020, 86, .	0.7	40
23	Projections of H-mode access and edge pedestal in the SPARC tokamak. Journal of Plasma Physics, 2020, 86, .	0.7	16
24	Evidence and modeling of turbulence bifurcation in L-mode confinement transitions on Alcator C-Mod. Physics of Plasmas, 2020, 27, 052303.	0.7	4
25	Simulations of divertor heat flux width using transport code with cross-field drifts under the BOUT++ framework. AIP Advances, 2020, 10, .	0.6	14
26	Inference of experimental radial impurity transport on Alcator C-Mod: Bayesian parameter estimation and model selection. Nuclear Fusion, 2020, 60, 126014.	1.6	20
27	Hysteresis as a probe of turbulent bifurcation in intrinsic rotation reversals on Alcator C-Mod. Nuclear Fusion, 2019, 59, 104001.	1.6	7
28	Experimental energy confinement time scaling with dimensionless parameters in C-Mod I-mode plasmas. Nuclear Fusion, 2019, 59, 126023.	1.6	2
29	High fusion performance in Super H-mode experiments on Alcator C-Mod and DIII-D. Nuclear Fusion, 2019, 59, 086017.	1.6	48
30	Radiative heat exhaust in Alcator C-Mod I-mode plasmas. Nuclear Fusion, 2019, 59, 046018.	1.6	14
31	Perturbative transport modeling of cold-pulse dynamics in Alcator C-Mod Ohmic plasmas. Nuclear Fusion, 2019, 59, 066017.	1.6	12
32	Avoidance of impurity-induced current quench using lower hybrid current drive. Nuclear Fusion, 2019, 59, 066003.	1.6	6
33	Dependence of alpha-particle-driven AlfvÃ©n eigenmode linear stability on device magnetic field strength and consequences for next-generation tokamaks. Nuclear Fusion, 2019, 59, 046020.	1.6	4
34	Edge transport and mode structure of a QCM-like fluctuation driven by the Shoelace antenna. Nuclear Fusion, 2018, 58, 056018.	1.6	2
35	Electron critical gradient scale length measurements of ICRF heated L-mode plasmas at Alcator C-Mod tokamak. Physics of Plasmas, 2018, 25, 042305.	0.7	4
36	A fast low-to-high confinement mode bifurcation dynamics in the boundary-plasma gyrokinetic code XGC1. Physics of Plasmas, 2018, 25, .	0.7	79

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37	Access to pedestal pressure relevant to burning plasmas on the high magnetic field tokamak Alcator C-Mod. Nuclear Fusion, 2018, 58, 112003.	1.6	28
38	Explaining Cold-Pulse Dynamics in Tokamak Plasmas Using Local Turbulent Transport Models. Physical Review Letters, 2018, 120, 075001.	2.9	34
39	Influence of high magnetic field on access to stationary H-modes and pedestal characteristics in Alcator C-Mod. Nuclear Fusion, 2018, 58, 046004.	1.6	17
40	Investigation of the critical edge ion heat flux for L-H transitions in Alcator C-Mod and its dependence onB_T. Nuclear Fusion, 2018, 58, 056003.	1.6	31
41	Helium experiments on Alcator C-Mod in support of ITER early operations. Nuclear Fusion, 2018, 58, 056007.	1.6	4
42	Progress towards modeling tokamak boundary plasma turbulence and understanding its role in setting divertor heat flux widths. Physics of Plasmas, 2018, 25, 055905.	0.7	17
43	Observation of Efficient Lower Hybrid Current Drive at High Density in Diverted Plasmas on the Alcator C-Mod Tokamak. Physical Review Letters, 2018, 121, 055001.	2.9	33
44	Scaling trends of the critical Eâ€‰â€‰Ã—â€‰â€‰B shear for edge harmonic oscillation onset in DIII-D quiescent H-mode plasmas. Nuclear Fusion, 2018, 58, 112002.	1.6	22
45	Up/down impurity density asymmetries in C-Mod plasmas. Nuclear Fusion, 2018, 58, 126008.	1.6	6
46	High-field side scrape-off layer investigation: Plasma profiles and impurity screening behavior in near-double-null configurations. Nuclear Materials and Energy, 2017, 12, 139-147.	0.6	10
47	Turbulence Nonlinearities Shed Light on Geometric Asymmetry in Tokamak Confinement Transitions. Physical Review Letters, 2017, 118, 105003.	2.9	29
48	Gyrokinetic projection of the divertor heat-flux width from present tokamaks to ITER. Nuclear Fusion, 2017, 57, 116023.	1.6	125
49	Edge turbulence and divertor heat flux width simulations of Alcator C-Mod discharges using an electromagnetic two-fluid model. Nuclear Fusion, 2017, 57, 116025.	1.6	27
50	Fast Low-to-High Confinement Mode Bifurcation Dynamics in a Tokamak Edge Plasma Gyrokinetic Simulation. Physical Review Letters, 2017, 118, 175001.	2.9	73
51	Impact of wall materials and seeding gases on the pedestal and on core plasma performance. Nuclear Materials and Energy, 2017, 12, 18-27.	0.6	36
52	Impurity screening behavior of the high-field side scrape-off layer in near-double-null configurations: prospect for mitigating plasmaâ€“material interactions on RF actuators and first-wall components. Nuclear Fusion, 2017, 57, 076021.	1.6	12
53	On theÏ_{âˆ—}scaling of intrinsic rotation in C-Mod plasmas with edge transport barriers. Nuclear Fusion, 2017, 57, 116004.	1.6	6
54	Surface heat flux feedback controlled impurity seeding experiments with Alcator C-Modâ€™s high-Zvertical target plate divertor: performance, limitations and implications for fusion power reactors. Nuclear Fusion, 2017, 57, 086030.	1.6	16

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55	Validation of nonlinear gyrokinetic simulations of L- and I-mode plasmas on Alcator C-Mod. Physics of Plasmas, 2017, 24, .	0.7	21
56	Radial localization of edge modes in Alcator C-Mod pedestals using optical diagnostics. Plasma Physics and Controlled Fusion, 2017, 59, 025016.	0.9	18
57	Experimentally testing the dependence of momentum transport on second derivatives using Gaussian process regression. Nuclear Fusion, 2017, 57, 126013.	1.6	16
58	Physics and performance of the I-mode regime over an expanded operating space on Alcator C-Mod. Nuclear Fusion, 2017, 57, 126039.	1.6	36
59	Impact of perturbative, non-axisymmetric impurity fueling on Alcator C-Mod H-modes. Plasma Physics and Controlled Fusion, 2017, 59, 122002.	0.9	3
60	The effects of main-ion dilution on turbulence in low q95 C-Mod ohmic plasmas, and comparisons with nonlinear GYRO. Physics of Plasmas, 2016, 23, 082509.	0.7	4
61	Temperature gradient scale length measurement: A high accuracy application of electron cyclotron emission without calibration. Review of Scientific Instruments, 2016, 87, 11E101.	0.6	4
62	The physics mechanisms of the weakly coherent mode in the Alcator C-Mod Tokamak. Physics of Plasmas, 2016, 23, .	0.7	23
63	Mean flows and blob velocities in scrape-off layer (SOLT) simulations of an L-mode discharge on Alcator C-Mod. Physics of Plasmas, 2016, 23, 062305.	0.7	8
64	Toward integrated multi-scale pedestal simulations including edge-localized-mode dynamics, evolution of edge-localized-mode cycles, and continuous fluctuations. Physics of Plasmas, 2016, 23, 055901.	0.7	22
65	Lower hybrid wave edge power loss quantification on the Alcator C-Mod tokamak. Physics of Plasmas, 2016, 23, 056115.	0.7	14
66	Recent progress towards a physics-based understanding of the H-mode transition. Plasma Physics and Controlled Fusion, 2016, 58, 044003.	0.9	46
67	Multi-device studies of pedestal physics and confinement in the I-mode regime. Nuclear Fusion, 2016, 56, 086003.	1.6	54
68	The effects of dilution on turbulence and transport in C-Mod ohmic plasmas and comparisons with gyrokinetic simulations. Physics of Plasmas, 2015, 22, 072507.	0.7	31
69	Kinetic modeling of divertor heat load fluxes in the Alcator C-Mod and DIII-D tokamaks. Physics of Plasmas, 2015, 22, .	0.7	9
70	Multispecies density peaking in gyrokinetic turbulence simulations of low collisionality Alcator C-Mod plasmas. Physics of Plasmas, 2015, 22, .	0.7	12
71	Non-resonant destabilization of (1/1) internal kink mode by suprathermal electron pressure. Physics of Plasmas, 2015, 22, 050701.	0.7	9
72	X-ray observations of medium Z H- and He-like ions with satellites from C-Mod tokamak plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144013.	0.6	11

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73	Core impurity transport in Alcator C-Mod L-, I- and H-mode plasmas. Nuclear Fusion, 2015, 55, 033014.	1.6	35
74	Alcator C-Mod: research in support of ITER and steps beyond. Nuclear Fusion, 2015, 55, 104020.	1.6	14
75	Tungsten impurity transport experiments in Alcator C-Mod to address high priority research and	0.7	33
76	Improved confinement in high-density H-modes via modification of the plasma boundary with lower	0.7	7
77	Quasi-coherent fluctuations limiting the pedestal growth on Alcator C-Mod: experiment and modelling. Nuclear Fusion, 2015, 55, 053003.	1.6	35
78	Poloidal asymmetries in edge transport barriers. Physics of Plasmas, 2015, 22, .	0.7	26
79	Nonlinear gyrokinetic simulations of the I-mode high confinement regime and comparisons with	0.7	16
80	ADX: a high field, high power density, advanced divertor and RF tokamak. Nuclear Fusion, 2015, 55, 053020.	1.6	82
81	Nonlinear transfer in heated L-modes approaching the Lâ€“H transition threshold in Alcator C-Mod. Nuclear Fusion, 2015, 55, 083007.	1.6	21
82	20 years of research on the Alcator C-Mod tokamak. Physics of Plasmas, 2014, 21, .	0.7	88
83	Edge-localized mode avoidance and pedestal structure in I-mode plasmas. Physics of Plasmas, 2014, 21, 056103.	0.7	35
84	Observation of Edge Instability Limiting the Pedestal Growth in Tokamak Plasmas. Physical Review Letters, 2014, 112, 115001.	2.9	78
85	Reduction of core turbulence in I-mode plasmas in Alcator C-Mod. Nuclear Fusion, 2014, 54, 083019.	1.6	12
86	X-ray observations of Ca^{19 +}, Ca^{18 +}and satellites from Alcator C-Mod tokamak plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 075701.	0.6	20
87	Non-local heat transport in Alcator C-Mod ohmic L-mode plasmas. Nuclear Fusion, 2014, 54, 083025.	1.6	13
88	New insights on boundary plasma turbulence and the quasi-coherent mode in Alcator C-Mod using a Mirror Langmuir Probe. Physics of Plasmas, 2014, 21, .	0.7	61
89	Validation of x-ray line ratios for electron temperature determination in tokamak plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 105701.	0.6	6
90	Zonal flow production in the Lâ€“H transition in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2014, 56, 075013.	0.9	49

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91	Inboard and outboard radial electric field wells in the H- and I-mode pedestal of Alcator C-Mod and poloidal variations of impurity temperature. Nuclear Fusion, 2014, 54, 083017.	1.6	28
92	Constraining the divertor heat width in ITER. Journal of Nuclear Materials, 2013, 438, S435-S439.	1.3	6
93	Heat-flux footprints for I-mode and EDA H-mode plasmas on Alcator C-Mod. Journal of Nuclear Materials, 2013, 438, S212-S215.	1.3	13
94	Comparison of edge turbulence imaging at two different poloidal locations in the scrape-off layer of Alcator C-Mod. Physics of Plasmas, 2013, 20, .	0.7	19
95	Multi-channel transport experiments at Alcator C-Mod and comparison with gyrokinetic simulations. Physics of Plasmas, 2013, 20, .	0.7	48
96	Changes in core electron temperature fluctuations across the ohmic energy confinement transition in Alcator C-Mod plasmas. Nuclear Fusion, 2013, 53, 083010.	1.6	37
97	Effects of LHRF on toroidal rotation in Alcator C-Mod plasmas. Nuclear Fusion, 2013, 53, 093015.	1.6	16
98	Non-neoclassical up/down asymmetry of impurity emission on Alcator C-Mod. Nuclear Fusion, 2013, 53, 043006.	1.6	17
99	Alcator C-Mod experiments in support of the ITER baseline 15 MA scenario. Nuclear Fusion, 2013, 53, 093021.	1.6	10
100	Improved understanding of physics processes in pedestal structure, leading to improved predictive capability for ITER. Nuclear Fusion, 2013, 53, 093024.	1.6	59
101	Pedestal structure and stability in H-mode and I-mode: a comparative study on Alcator C-Mod. Nuclear Fusion, 2013, 53, 043016.	1.6	41
102	An assessment of ion temperature measurements in the boundary of the Alcator C-Mod tokamak and implications for ion fluid heat flux limiters. Plasma Physics and Controlled Fusion, 2013, 55, 095010.	0.9	23
103	Formation and Stability of Impurity â€œSnakesâ€•in Tokamak Plasmas. Physical Review Letters, 2013, 110, 065006.	2.9	43
104	Effects of Magnetic Shear on Toroidal Rotation in Tokamak Plasmas with Lower Hybrid Current Drive. Physical Review Letters, 2013, 111, 125003.	2.9	26
105	On the formation and stability of long-lived impurity-ion snakes in Alcator C-Mod. Nuclear Fusion, 2013, 53, 043019.	1.6	23
106	Non-local heat transport, rotation reversals and up/down impurity density asymmetries in Alcator C-Mod ohmic L-mode plasmas. Nuclear Fusion, 2013, 53, 033004.	1.6	37
107	Density sensitivity of intrinsic rotation profiles in ion cyclotron range of frequency-heated L-mode plasmas. Plasma Physics and Controlled Fusion, 2013, 55, 012001.	0.9	19
108	Overview of experimental results and code validation activities at Alcator C-Mod. Nuclear Fusion, 2013, 53, 104004.	1.6	13

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109	Rapid shutdown experiments with one and two gas jets on Alcator C-Mod. Nuclear Fusion, 2013, 53, 092001.	1.6	20
110	ELMy H-mode linear simulation with 3-field model on experimental advanced superconducting tokamak using BOUT<scp>++</scp>. Physics of Plasmas, 2012, 19, .	0.7	7
111	Production of internal transport barriers via self-generated mean flows in Alcator C-Mod. Physics of Plasmas, 2012, 19, 056113.	0.7	18
112	H-mode power threshold reduction in a slot-divertor configuration on the Alcator C-Mod tokamak. Plasma Physics and Controlled Fusion, 2012, 54, 082002.	0.9	13
113	Poloidal variation of high-Zimpurity density due to hydrogen minority ion cyclotron resonance heating on Alcator C-Mod. Plasma Physics and Controlled Fusion, 2012, 54, 045004.	0.9	63
114	X-ray imaging crystal spectroscopy for use in plasma transport research. Review of Scientific Instruments, 2012, 83, 113504.	0.6	63
115	Characterization of the pedestal in Alcator C-Mod ELMing H-modes and comparison with the EPED model. Nuclear Fusion, 2012, 52, 063011.	1.6	21
116	Lower hybrid current drive at high density in the multi-pass regime. Physics of Plasmas, 2012, 19, 062505.	0.7	31
117	Ohmic energy confinement saturation and core toroidal rotation reversal in Alcator C-Mod plasmas. Physics of Plasmas, 2012, 19, .	0.7	56
118	Threshold conditions for transitions to I-mode and H-mode with unfavourable ion grad B drift direction. Nuclear Fusion, 2012, 52, 114009.	1.6	34
119	Scaling of H-mode threshold power and Lâ€“H edge conditions with favourable ion grad-B drift in Alcator C-Mod tokamak. Nuclear Fusion, 2012, 52, 023010.	1.6	27
120	Stationary density profiles in the Alcator C-mod tokamak. Physics of Plasmas, 2012, 19, 122511.	0.7	1
121	Observations of core toroidal rotation reversals in Alcator C-Mod ohmic L-mode plasmas. Nuclear Fusion, 2011, 51, 083005.	1.6	51
122	Lower hybrid current drive at high density in Alcator C-Mod. Nuclear Fusion, 2011, 51, 083032.	1.6	63
123	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.	1.6	342
124	Edge energy transport barrier and turbulence in the I-mode regime on Alcator C-Mod. Physics of Plasmas, 2011, 18, .	0.7	87
125	Progress in LHCD modeling and experiments towards the AT regime on Alcator C-Mod. , 2011, , .		1
126	Divertor heat flux footprints in EDA H-mode discharges on Alcator C-Mod. Journal of Nuclear Materials, 2011, 415, S349-S352.	1.3	14

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127	Estimate of convective radial transport due to SOL turbulence as measured by GPI in Alcator C-Mod. Journal of Nuclear Materials, 2011, 415, S463-S466.	1.3	10
128	Effect of N2, Ne and Ar seeding on Alcator C-Mod H-mode confinement. Journal of Nuclear Materials, 2011, 415, S340-S344.	1.3	73
129	Rotation Reversal Bifurcation and Energy Confinement Saturation in Tokamak Ohmic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>L</mml:mi></mml:math>-Mode Plasmas. Physical Review Letters, 2011, 107, 265001.	2.9	81
130	Edge Temperature Gradient as Intrinsic Rotation Drive in Alcator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi></mml:math>-Mod Tokamak Plasmas. Physical Review Letters, 2011, 106, 215001.	2.9	83
131	Electron temperature fluctuations associated with the weakly coherent mode in the edge of I-mode plasmas. Nuclear Fusion, 2011, 51, 113005.	1.6	39
132	Power requirements for superior H-mode confinement on Alcator C-Mod: experiments in support of ITER. Nuclear Fusion, 2011, 51, 083007.	1.6	40
133	High confinement/high radiated power H-mode experiments in Alcator C-Mod and consequences for International Thermonuclear Experimental Reactor (ITER) QDTâ€‰=â€‰10 operation. Physics of Plasmas, 2011, 18, .	0.7	84
134	Scaling of the power exhaust channel in Alcator C-Mod. Physics of Plasmas, 2011, 18, 056104.	0.7	69
135	Modification of H-mode pedestal structure with lower hybrid waves on Alcator C-Mod. Nuclear Fusion, 2010, 50, 064001.	1.6	18
136	Experimental studies of edge turbulence and confinement in Alcator C-Mod. Physics of Plasmas, 2010, 17, .	0.7	56
137	I-mode: an H-mode energy confinement regime with L-mode particle transport in Alcator C-Mod. Nuclear Fusion, 2010, 50, 105005.	1.6	246
138	Absorption of lower hybrid waves in the scrape off layer of a diverted tokamak. Physics of Plasmas, 2010, 17, 082508.	0.7	117
139	Overview of the Alcator C-Mod Research Program. Nuclear Fusion, 2009, 49, 104014.	1.6	29
140	Dimensionless pedestal identity plasmas on Alcator C-Mod and JET. Nuclear Fusion, 2009, 49, 125004.	1.6	7
141	Modification of Current Profile, Toroidal Rotation and Pedestal by Lower Hybrid Waves in Alcator C-Mod. AIP Conference Proceedings, 2009, , .	0.3	4
142	Lower hybrid heating and current drive on the Alcator C-Mod tokamak. Nuclear Fusion, 2009, 49, 115015.	1.6	38
143	Pedestal stability comparison and ITER pedestal prediction. Nuclear Fusion, 2009, 49, 085035.	1.6	179
144	Edge radial electric field structure and its connections to H-mode confinement in Alcator C-Mod plasmas. Physics of Plasmas, 2009, 16, .	0.7	151

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145	Critical gradients and plasma flows in the edge plasma of Alcator C-Mod. Physics of Plasmas, 2008, 15, .	0.7	67
146	Microturbulent drift mode suppression as a trigger mechanism for internal transport barriers on Alcator C-Mod. Nuclear Fusion, 2007, 47, 1220-1231.	1.6	8
147	Overview of the Alcator C-MOD research programme. Nuclear Fusion, 2007, 47, S598-S607.	1.6	9
148	Edge profile stiffness and insensitivity of the density pedestal to neutral fuelling in Alcator C-Mod edge transport barriers. Nuclear Fusion, 2007, 47, 1057-1063.	1.6	48
149	H-Mode Pedestal and L-H Transition Studies on Alcator C-Mod. Fusion Science and Technology, 2007, 51, 317-341.	0.6	36
150	Confinement and Transport Research in Alcator C-Mod. Fusion Science and Technology, 2007, 51, 266-287.	0.6	40
151	Diagnostic Systems on Alcator C-Mod. Fusion Science and Technology, 2007, 51, 476-507.	0.6	62
152	Density profile peaking in low collisionality H-modes: comparison of Alcator C-Mod data to ASDEX Upgrade/JET scalings. Nuclear Fusion, 2007, 47, L26-L29.	1.6	52
153	The dynamics and structure of edge-localized-modes in Alcator C-Mod. Journal of Nuclear Materials, 2007, 363-365, 994-999.	1.3	40
154	Pedestal conditions for small ELM regimes in tokamaks. Plasma Physics and Controlled Fusion, 2006, 48, A171-A181.	0.9	88
155	Comparisons of small ELM H-Mode regimes on the Alcator C-Mod and JFT-2M tokamaks. Plasma Physics and Controlled Fusion, 2006, 48, A121-A129.	0.9	15
156	Advances in measurement and modeling of the high-confinement-mode pedestal on the Alcator C-Mod tokamak. Physics of Plasmas, 2006, 13, 056103.	0.7	34
157	Evidence for electromagnetic fluid drift turbulence controlling the edge plasma state in the Alcator C-Mod tokamak. Nuclear Fusion, 2005, 45, 1658-1675.	1.6	121
158	Transport phenomena in the edge of Alcator C-Mod plasmas. Nuclear Fusion, 2005, 45, 1321-1327.	1.6	79
159	Overview of the Alcator C-Mod program. Nuclear Fusion, 2005, 45, S109-S117.	1.6	28
160	The dependence of core rotation on magnetic configuration and the relation to the H-mode power threshold in Alcator C-Mod plasmas with no momentum input. Nuclear Fusion, 2005, 45, 251-257.	1.6	59
161	Transport-driven scrape-off layer flows and the x-point dependence of the L-H power threshold in Alcator C-Mod. Physics of Plasmas, 2005, 12, 056111.	0.7	87
162	ICRF loading studies on Alcator C-Mod. Plasma Physics and Controlled Fusion, 2004, 46, 1781-1792.	0.9	15

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163	Local threshold conditions and fast transition dynamics of the Lâ€“H transition in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2004, 46, A95-A104.	0.9	14
164	Toroidal rotation and momentum transport in Alcator C-Mod plasmas with no momentum input. Physics of Plasmas, 2004, 11, 2427-2432.	0.7	59
165	Transport-driven Scrape-Off-Layer flows and the boundary conditions imposed at the magnetic separatrix in a tokamak plasma. Nuclear Fusion, 2004, 44, 1047-1066.	1.6	260
166	Pressure profile modification of internal transport barrier plasmas in Alcator C-Mod. Nuclear Fusion, 2003, 43, 781-788.	1.6	37
167	Thomson scattering upgrades on Alcator C-Mod. Review of Scientific Instruments, 2003, 74, 1667-1670.	0.6	56
168	Edge dimensionless identity experiment on DIII-D and AlcatorC-Mod. Physics of Plasmas, 2003, 10, 689-698.	0.7	39
169	High-confinement-mode edge stability of Alcator C-mod plasmas. Physics of Plasmas, 2003, 10, 1720-1726.	0.7	39
170	Overview of recent Alcator C-Mod research. Nuclear Fusion, 2003, 43, 1610-1618.	1.6	7
171	Measurements of large poloidal variations of impurity density in the Alcator C-Mod H-mode barrier region. Physics of Plasmas, 2002, 9, 4188-4192.	0.7	9
172	Observations and empirical scalings of the high-confinement mode pedestal on Alcator C-Mod. Physics of Plasmas, 2002, 9, 3019-3030.	0.7	63
173	Double transport barrier plasmas in Alcator C-Mod. Nuclear Fusion, 2002, 42, 510-519.	1.6	88
174	H-mode pedestal characteristics and MHD stability of the edge plasma in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2002, 44, 423-437.	0.9	50
175	Variation of edge gradients with heat flux across L-H and H-L transitions in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2002, 44, A359-A366.	0.9	30
176	High resolution measurements of neutral density and ionization rate in the Alcator C-Mod tokamak. Review of Scientific Instruments, 2001, 72, 961-964.	0.6	18
177	High resolution visible continuum imaging diagnostic on the Alcator C-Mod tokamak. Review of Scientific Instruments, 2001, 72, 940-943.	0.6	34
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179	High-resolution edge Thomson scattering measurements on the Alcator C-Mod tokamak. Review of Scientific Instruments, 2001, 72, 1107-1110.	0.6	64
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