Ian H Hutchinson

List of Publications by Year
in descending order

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239 papers	9,531 citations	26567 56 h-index	58464 82 g-index
242 all docs	242 docs citations	242 times ranked	3247 citing authors

#	Article	IF	Citations
1	Overstability of plasma slow electron holes. Journal of Plasma Physics, 2022, 88, .	0.7	3
2	Oblate electron holes are not attributable to anisotropic shielding. Physics of Plasmas, 2021, 28, .	0.7	3
3	Finite gyroradius multidimensional electron hole equilibria. Physics of Plasmas, 2021, 28, .	0.7	4
4	Synthetic multidimensional plasma electron hole equilibria. Physics of Plasmas, 2021, 28, .	0.7	4
5	How can slow plasma electron holes exist?. Physical Review E, 2021, 104, 015208.	0.8	11
6	Spacecraft Observations and Theoretical Understanding of Slow Electron Holes. Physical Review Letters, 2021, 127, 165101.	2.9	11
7	Asymmetric one-dimensional slow electron holes. Physical Review E, 2021, 104, 055207.	0.8	4
8	Particle Trapping in Axisymmetric Electron Holes. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028093.	0.8	5
9	Multisatellite MMS Analysis of Electron Holes in the Earth's Magnetotail: Origin, Properties, Velocity Gap, and Transverse Instability. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028066.	0.8	31
10	Properties of Electron Phase Space Holes in the Lunar Plasma Environment. Journal of Geophysical Research: Space Physics, 2019, 124, 4994-5008.	0.8	9
11	Transverse instability magnetic field thresholds of electron phase-space holes. Physical Review E, 2019, 99, 053209.	0.8	12
12	Electron phase-space hole transverse instability at high magnetic field. Journal of Plasma Physics, 2019, 85, .	0.7	5
13	Transverse instability of electron phase-space holes in multi-dimensional Maxwellian plasmas. Journal of Plasma Physics, 2018, 84, .	0.7	11
14	Kinematic Mechanism of Plasma Electron Hole Transverse Instability. Physical Review Letters, 2018, 120, 205101.	2.9	12
15	Dynamics of a slow electron hole coupled to an ion-acoustic soliton. Physics of Plasmas, 2018, 25, .	0.7	12
16	Prediction and Observation of Electron Instabilities and Phase Space Holes Concentrated in the Lunar Plasma Wake. Geophysical Research Letters, 2018, 45, 3838-3845.	1.5	12
17	Electron holes in phase space: What they are and why they matter. Physics of Plasmas, 2017, 24, .	0.7	121
18	Plasma electron hole oscillatory velocityÂinstability. Journal of Plasma Physics, 2017, 83, .	0.7	8

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19	Sensitivity of detachment extent to magnetic configuration and external parameters. Nuclear Fusion, 2016, 56, 056007.	1.6	71
20	Plasma electron hole kinematics. II. Hole tracking Particle-In-Cell simulation. Physics of Plasmas, 2016, 23, 082102.	0.7	22
21	Plasma electron hole kinematics. I. Momentum conservation. Physics of Plasmas, 2016, 23, 082101.	0.7	16
22	The electron forewake: Shadowing and drift-energization as flowing magnetized plasma encounters an obstacle. Physics of Plasmas, 2015, 22, .	0.7	6
23	Alcator C-Mod: research in support of ITER and steps beyond. Nuclear Fusion, 2015, 55, 104020.	1.6	14
24	Kinetic electron and ion instability of the lunar wake simulated at physical mass ratio. Physics of Plasmas, 2015, 22, 032311.	0.7	13
25	Non-linear plasma wake growth of electron holes. Physics of Plasmas, 2015, 22, .	0.7	11
26	Poloidal asymmetries in edge transport barriers. Physics of Plasmas, 2015, 22, .	0.7	26
27	ADX: a high field, high power density, advanced divertor and RF tokamak. Nuclear Fusion, 2015, 55, 053020.	1.6	82
28	20 years of research on the Alcator C-Mod tokamak. Physics of Plasmas, 2014, 21, .	0.7	88
29	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
30	Particle in cell calculation of plasma force on a small grain in a non-uniform collisional sheath. Plasma Physics and Controlled Fusion, 2013, 55, 115014.	0.9	10
31	Collisional effects on nonlinear ion drag force for small grains. Physics of Plasmas, 2013, 20, 083701.	0.7	47
32	Parallel transport studies of high-Z impurities in the core of Alcator C-Mod plasmas. Physics of Plasmas, 2013, 20, .	0.7	15
33	Nearâ€lunar proton velocity distribution explained by electrostatic acceleration. Journal of Geophysical Research: Space Physics, 2013, 118, 1825-1827.	0.8	5
34	Effects of LHRF on toroidal rotation in Alcator C-Mod plasmas. Nuclear Fusion, 2013, 53, 093015.	1.6	16
35	Non-neoclassical up/down asymmetry of impurity emission on Alcator C-Mod. Nuclear Fusion, 2013, 53, 043006.	1.6	17
36	Effects of Magnetic Shear on Toroidal Rotation in Tokamak Plasmas with Lower Hybrid Current Drive. Physical Review Letters, 2013, 111, 125003.	2.9	26

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37	Transport and drift-driven plasma flow components in the Alcator C-Mod boundary plasma. Nuclear Fusion, 2013, 53, 023001.	1.6	54
38	Overview of experimental results and code validation activities at Alcator C-Mod. Nuclear Fusion, 2013, 53, 104004.	1.6	13
39	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
40	X-ray imaging crystal spectroscopy for use in plasma transport research. Review of Scientific Instruments, 2012, 83, 113504.	0.6	63
41	Experimental measurements of ion cyclotron range of frequency minority-heated fast-ion distributions on Alcator C-Mod. Nuclear Fusion, 2012, 52, 094019.	1.6	8
42	Statistical uncertainty in line shift and width interpretation. European Physical Journal Plus, 2012, 127, 1.	1.2	3
43	Intergrain forces in low-Mach-number plasma wakes. Physical Review E, 2012, 85, 066409.	0.8	60
44	Electron velocity distribution instability in magnetized plasma wakes and artificial electron mass. Journal of Geophysical Research, 2012, 117, .	3.3	19
45	Forces on a Small Grain in the Nonlinear Plasma Wake of Another. Physical Review Letters, 2011, 107, 095001.	2.9	34
46	Nonlinear collisionless plasma wakes of small particles. Physics of Plasmas, 2011, 18, .	0.7	66
47	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
48	Current ramps in tokamaks: from present experiments to ITER scenarios. Nuclear Fusion, 2011, 51, 083026.	1.6	18
49	Spherical conducting probes in finite Debye length plasmas andEÃ—Bfields. Plasma Physics and Controlled Fusion, 2011, 53, 025005.	0.9	15
50	Forces on a spherical conducting particle inEÃ—Bfields. Plasma Physics and Controlled Fusion, 2011, 53, 065023.	0.9	4
51	Ion Collection by a Sphere in a Drifting Collisional Plasma. AIP Conference Proceedings, 2011, , .	0.3	3
52	Scaling of the power exhaust channel in Alcator C-Mod. Physics of Plasmas, 2011, 18, 056104.	0.7	69
53	Spherical probes at ion saturation inEÃ—Bfields. Plasma Physics and Controlled Fusion, 2010, 52, 035005.	0.9	15
54	Flowing plasmas and absorbing objects: analytic and numerical solutions culminating 80 years of ion-collection theory. Plasma Physics and Controlled Fusion, 2010, 52, 124005.	0.9	21

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55	Experimental vertical stability studies for ITER performance and design guidance. Nuclear Fusion, 2009, 49, 115003.	1.6	84
56	Kinetic solution to the Mach probe problem in transversely flowing strongly magnetized plasmas. Physical Review E, 2009, 80, 036403.	0.8	18
57	Continuum-plasma solution surrounding nonemitting spherical bodies. Physics of Plasmas, 2009, 16, .	0.7	5
58	Experimental studies of ITER demonstration discharges. Nuclear Fusion, 2009, 49, 085015.	1.6	42
59	Overview of the Alcator C-Mod Research Program. Nuclear Fusion, 2009, 49, 104014.	1.6	29
60	Magnetized ion flux to arbitrary-shaped objects. , 2009, , .		0
61	Response to â€œComment on â€˜Electron collection by a negatively charged sphere in a collisionless magnetoplasmaâ€™â€‰â€•[Phys. Plasmas 16, 014701 (2009)]. Physics of Plasmas, 2009, 16, 014702.	0.7	0
62	Explicit time-reversible orbit integration in Particle In Cell codes with static homogeneous magnetic field. Journal of Computational Physics, 2009, 228, 2604-2615.	1.9	17
63	Observation of Self-Generated Flows in Tokamak Plasmas with Lower-Hybrid-Driven Current. Physical Review Letters, 2009, 102, 035002.	2.9	54
64	Principal physics developments evaluated in the ITER design review. Nuclear Fusion, 2009, 49, 065012.	1.6	200
65	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
66	Judging Galileo. Physics World, 2009, 22, 21-22.	0.0	0
67	State Reconstruction and Noise Reduction by Kalman Filter in the Vertical Position Control on Alcator C-Mod. Fusion Science and Technology, 2009, 56, 1476-1488.	0.6	1
68	Oblique ion collection in the drift approximation: How magnetized Mach probes really work. Physics of Plasmas, 2008, 15, 123503.	0.7	26
69	Plasma inductance and stability metrics on Alcator C-Mod. Nuclear Fusion, 2008, 48, 065002.	1.6	15
70	Toroidally resolved radiation dynamics during a gas jet mitigated disruption on Alcator C-Mod. Nuclear Fusion, 2008, 48, 125004.	1.6	17
71	On negative ion-drag force for dust in collisional plasmas. AIP Conference Proceedings, 2008, , .	0.3	2
72	Ion Collection by Oblique Surfaces of an Object in a Transversely Flowing Strongly Magnetized Plasma. Physical Review Letters, 2008, 101, 035004.	2.9	23

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73	Fully Self-Consistent Ion-Drag-Force Calculations for Dust in Collisional Plasmas with an External Electric Field. Physical Review Letters, 2008, 101, 025001.	2.9	32
74	Two dimensional radiated power diagnostics on Alcator C-Mod. Review of Scientific Instruments, 2008, 79, 10F306.	0.6	35
75	Foreword: Papers from the 49th Annual Meeting of the APS Division of Plasma Physics, Orlando, Florida, 2007. Physics of Plasmas, 2008, 15, 055301.	0.7	1
76	Gas jet disruption mitigation studies on Alcator C-Mod and DIII-D. Nuclear Fusion, 2007, 47, 1086-1091.	1.6	86
77	Comment on â€œIon collection by a sphere in a flowing collisional plasmaâ€•[Phys. Plasmas 14, 034502 (2007)]. Physics of Plasmas, 2007, 14, .	0.7	5
78	Overview of the Alcator C-MOD research programme. Nuclear Fusion, 2007, 47, S598-S607.	1.6	9
79	Electron collection by a negatively charged sphere in a collisionless magnetoplasma. Physics of Plasmas, 2007, 14, 062111.	0.7	27
80	Ion-collecting sphere in a stationary, weakly magnetized plasma with finite shielding length. Plasma Physics and Controlled Fusion, 2007, 49, 1719-1733.	0.9	26
81	Angular distribution of current to a sphere in a flowing, weakly magnetized plasma with negligible Debye length. Plasma Physics and Controlled Fusion, 2007, 49, 1193-1208.	0.9	14
82	H-Mode Pedestal and L-H Transition Studies on Alcator C-Mod. Fusion Science and Technology, 2007, 51, 317-341.	0.6	36
83	Divertor Physics Research on Alcator C-Mod. Fusion Science and Technology, 2007, 51, 369-389.	0.6	92
84	Confinement and Transport Research in Alcator C-Mod. Fusion Science and Technology, 2007, 51, 266-287.	0.6	40
85	Spontaneous Toroidal Rotation in Alcator C-Mod Plasmas with No Momentum Input. Fusion Science and Technology, 2007, 51, 288-302.	0.6	23
86	Wave-Particle Studies in the Ion Cyclotron and Lower Hybrid Ranges of Frequencies in Alcator C-Mod. Fusion Science and Technology, 2007, 51, 401-436.	0.6	72
87	Diagnostic Systems on Alcator C-Mod. Fusion Science and Technology, 2007, 51, 476-507.	0.6	62
88	Influence of boronization on operation with high-Z plasma facing components in Alcator C-Mod. Journal of Nuclear Materials, 2007, 363-365, 1110-1118.	1.3	39
89	Computation of the effect of neutral collisions on ion current to a floating sphere in a stationary plasma. Physics of Plasmas, 2007, 14, 013505.	0.7	73
90	Collisionless ion drag force on a spherical grain. Plasma Physics and Controlled Fusion, 2006, 48, 185-202.	0.9	117

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91	Effect of multipactor discharge on Alcator C-Mod ion cyclotron range of frequency heating. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 512-516.	0.9	13
92	The 3D Simulation of Dust Particle Transport. Contributions To Plasma Physics, 2006, 46, 611-616.	0.5	3
93	Operation of Alcator C-Mod with high-Z plasma facing components and implications. Physics of Plasmas, 2006, 13, 056117.	0.7	64
94	Alcasim simulation code for Alcator C-Mod. , 2006, , .		3
95	The coaxial multipactor experiment (CMX): A facility for investigating multipactor discharges. Review of Scientific Instruments, 2006, 77, 014701.	0.6	10
96	DIVIMP modeling of impurity flows and screening in Alcator C-Mod. Journal of Nuclear Materials, 2005, 337-339, 109-113.	1.3	3
97	Experimental Results of the Coaxial Multipactor Experiment (CMX). AIP Conference Proceedings, 2005, , .	0.3	2
98	Overview of the Alcator C-Mod program. Nuclear Fusion, 2005, 45, S109-S117.	1.6	28
99	Spherical Particle Interaction with Flowing Plasma: Computational Discoveries. AIP Conference Proceedings, 2005, , .	0.3	7
100	Nonaxisymmetric field effects on Alcator C-Mod. Physics of Plasmas, 2005, 12, 056110.	0.7	135
101	Ion collection by a sphere in a flowing plasma: 3. Floating potential and drag force. Plasma Physics and Controlled Fusion, 2005, 47, 71-87.	0.9	98
102	Investigation of performance limiting phenomena in a variable phase ICRF antenna in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2004, 46, 1479-1491.	0.9	33
103	Toroidal rotation and momentum transport in Alcator C-Mod plasmas with no momentum input. Physics of Plasmas, 2004, 11, 2427-2432.	0.7	59
104	Spin stability of asymmetrically charged plasma dust. New Journal of Physics, 2004, 6, 43-43.	1.2	30
105	Observations of anomalous momentum transport in Alcator C-Mod plasmas with no momentum input. Nuclear Fusion, 2004, 44, 379-386.	1.6	111
106	Ion collection by a sphere in a flowing plasma: 2. non-zero Debye length. Plasma Physics and Controlled Fusion, 2003, 45, 1477-1500.	0.9	96
107	Pressure profile modification of internal transport barrier plasmas in Alcator C-Mod. Nuclear Fusion, 2003, 43, 781-788.	1.6	37
108	Observation of Anomalous Momentum Transport in Tokamak Plasmas with No Momentum Input. Physical Review Letters, 2003, 91, 205003.	2.9	80

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109	Study of Ion Cyclotron Range of Frequencies Mode Conversion in the Alcator C-Mod Tokamak. AIP Conference Proceedings, 2003, , .	0.3	1
110	Overview of Alcator C-Mod ICRF Experiments. AIP Conference Proceedings, 2003, , .	0.3	1
111	Overview of recent Alcator C-Mod research. Nuclear Fusion, 2003, 43, 1610-1618.	1.6	7
112	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
113	Double transport barrier experiments on Alcator C-Mod. Physics of Plasmas, 2002, 9, 2149-2155.	0.7	32
114	ELM moderation with ICRF heating on JET. Plasma Physics and Controlled Fusion, 2002, 44, 1937-1952.	0.9	5
115	Double transport barrier plasmas in Alcator C-Mod. Nuclear Fusion, 2002, 42, 510-519.	1.6	88
116	Excited-state populations in neutral beam emission. Plasma Physics and Controlled Fusion, 2002, 44, 71-82.	0.9	50
117	Parody not poetry. Physics World, 2002, 15, 20-21.	0.0	0
118	The invalidity of a Mach probe model. Physics of Plasmas, 2002, 9, 1832-1833.	0.7	36
119	Ion collection by a sphere in a flowing plasma: I. Quasineutral. Plasma Physics and Controlled Fusion, 2002, 44, 1953-1977.	0.9	126
120	Observations of impurity toroidal rotation suppression with ITB formation in ICRF and ohmic H mode Alcator C-Mod plasmas. Nuclear Fusion, 2001, 41, 277-284.	1.6	99
121	Recent ICRF results on Alcator C-Mod. AIP Conference Proceedings, 2001, , .	0.3	2
122	Analysis of ICRF-heated transport barrier experiments in Alcator C-Mod. AIP Conference Proceedings, 2001, , .	0.3	0
123	Overview of recent Alcator C-Mod results. Nuclear Fusion, 2001, 41, 1391-1400.	1.6	13
124	The quasi-coherent signature of enhanced DÎ±H-mode in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2001, 43, L23-L30.	0.9	77
125	Electron cyclotron emission refraction effects during edge-localized modes. Plasma Physics and Controlled Fusion, 2001, 43, 645-660.	0.9	4
126	Electromagnetic wall torques from magnetically confined plasmas. Plasma Physics and Controlled Fusion, 2001, 43, 145-153.	0.9	21

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127	Effect of the inductive electric field on ion flow in tokamaks. Physics of Plasmas, 2001, 8, 3334-3341.	0.7	4
128	Pedestal profiles and fluctuations in C-Mod enhanced D-alpha H-modes. Physics of Plasmas, 2001, 8, 2033-2040.	0.7	85
129	Internal transport barriers on Alcator C-Mod. Physics of Plasmas, 2001, 8, 2023-2028.	0.7	41
130	Studies of EDA H-mode in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2000, 42, A263-A269.	0.9	72
131	Radial impurity transport in the H mode transport barrier region in Alcator C-Mod. Nuclear Fusion, 2000, 40, 1795-1804.	1.6	37
132	Resistiven= 1 modes in reversed magnetic shear Alcator C-Mod plasmas. Nuclear Fusion, 2000, 40, 1463-1468.	1.6	10
133	Identification of Mercier instabilities in Alcator C-Mod tokamak. Physics of Plasmas, 2000, 7, 5087-5095.	0.7	7
134	Impurity toroidal rotation and transport in Alcator C-Mod ohmic high confinement mode plasmas. Physics of Plasmas, 2000, 7, 1825-1830.	0.7	56
135	Mode conversion electron heating in Alcator C-Mod: Theory and experiment. Physics of Plasmas, 2000, 7, 1886-1893.	0.7	21
136	Self-Acceleration of a Tokamak Plasma during Ohmic H Mode. Physical Review Letters, 2000, 84, 3330-3333.	2.9	85
137	Effects of neutral particles on edge dynamics in Alcator C-Mod plasmas. Physics of Plasmas, 2000, 7, 1919-1926.	0.7	62
138	ICRF heating in Alcator C-Mod: Present status and future prospects. , 1999, , .		0
139	Edge transport barrier phenomena in Alcator C-Mod. Plasma Physics and Controlled Fusion, 1999, 41, A609-A616.	0.9	20
140	Central impurity toroidal rotation in ICRF heated Alcator C-Mod plasmas. Nuclear Fusion, 1999, 39, 1175-1186.	1.6	113
141	Upgrade of reflectometry profile and fluctuation measurements in Alcator C-Mod. Review of Scientific Instruments, 1999, 70, 1078-1081.	0.6	28
142	High confinement dissipative divertor operation on Alcator C-Mod. Physics of Plasmas, 1999, 6, 1899-1906.	0.7	44
143	Characterization of enhanced DÎ± high-confinement modes in Alcator C-Mod. Physics of Plasmas, 1999, 6, 1943-1949.	0.7	178
144	Measurements of the high confinement mode pedestal region on Alcator C-Mod. Physics of Plasmas, 1998, 5, 1744-1751.	0.7	49

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145	Observations of central toroidal rotation in ICRF heated Alcator C-Mod plasmas. Nuclear Fusion, 1998, 38, 75-85.	1.6	138
146	ELMs and fast edge fluctuations in Alcator C-Mod. Plasma Physics and Controlled Fusion, 1998, 40, 765-770.	0.9	12
147	H mode confinement in Alcator C-Mod. Nuclear Fusion, 1997, 37, 793-807.	1.6	189
148	Neutral particle dynamics in the Alcator C-Mod tokamak. Nuclear Fusion, 1997, 37, 151-163.	1.6	35
149	Radiofrequency-heated enhanced confinement modes in the Alcator C-Mod tokamak. Physics of Plasmas, 1997, 4, 1647-1653.	0.7	70
150	Impurity transport in Alcator C-Mod plasmas. Physics of Plasmas, 1997, 4, 1605-1609.	0.7	59
151	Electron heating via mode converted ion Bernstein waves in the Alcator C-Mod tokamak. Physics of Plasmas, 1997, 4, 1774-1782.	0.7	22
152	Remote Control of Alcator C-Mod from Lawrence Livermore National Laboratory. Fusion Science and Technology, 1997, 32, 152-160.	0.6	16
153	ICRF heating experiments on Alcator C-Mod. , 1997, , .		2
154	Local impurity puffing as a scrape-off layer diagnostic on the Alcator C-Mod tokamak. Journal of Nuclear Materials, 1997, 241-243, 782-787.	1.3	20
155	Experimental investigation of transport phenomena in the scrape-off layer and divertor. Journal of Nuclear Materials, 1997, 241-243, 149-166.	1.3	114
156	Survey of ICRF heating experiments and enhanced performance modes in Alcator C-Mod. Plasma Physics and Controlled Fusion, 1996, 38, 2215-2229.	0.9	22
157	The magnetic presheath boundary condition with EÃ—B drifts. Physics of Plasmas, 1996, 3, 6-7.	0.7	40
158	ICRF heated enhanced performance modes and mode conversion electron heating in alcator C-mod. , 1996, , .		0
159	ICRF heating in the Alcator C-Mod tokamak. AIP Conference Proceedings, 1996, , .	0.3	6
160	Plasma Shape Control: A General Approach and Its Application to Alcator C-Mod. Fusion Science and Technology, 1996, 30, 137-150.	0.6	22
161	Comparison of Models to Experiment for the Purposes of Axisymmetric Control in Alcator C-Mod. Fusion Science and Technology, 1996, 30, 201-218.	0.6	7
162	Comparison of detached and radiative divertor operation in Alcator Câ€Mod. Physics of Plasmas, 1996, 3, 1908-1915.	0.7	45

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164	Disruptions and halo currents in Alcator C-Mod. Nuclear Fusion, 1996, 36, 545-556.	1.6	117
165	Similarity in divertor studies. Nuclear Fusion, 1996, 36, 783-794.	1.6	20
166	Particle drift effects on the Alcator C-Mod divertor. Plasma Physics and Controlled Fusion, 1996, 38, A301-A309.	0.9	12
167	H-modes on Alcator C-Mod. Plasma Physics and Controlled Fusion, 1996, 38, 1127-1136.	0.9	32
168	Scaling and transport analysis of divertor conditions on the Alcator Câ€Mod tokamak. Physics of Plasmas, 1995, 2, 2242-2248.	0.7	82
169	Comment on â€˜â€˜An analytic treatment of the bounded and free presheaths with arbitrary viscosity in magnetized flowing plasmasâ€™â€™ [Phys. Plasmas 1, 2864 (1994)]. Physics of Plasmas, 1995, 2, 1794-1795.	0.7	6
170	The effects of field reversal on the Alcator C-Mod divertor. Plasma Physics and Controlled Fusion, 1995, 37, 1389-1406.	0.9	62
171	Transport experiments in Alcatorâ€Câ€Mod. Physics of Plasmas, 1995, 2, 2308-2313.	0.7	20
172	First results from Alcatorâ€Câ€MOD*. Physics of Plasmas, 1994, 1, 1511-1518.	0.7	359
173	First ohmic H modes in ALCATOR C-MOD. Nuclear Fusion, 1994, 34, 1039-1044.	1.6	15
174	Thermal front analysis of detached divertors and MARFEs. Nuclear Fusion, 1994, 34, 1337-1348.	1.6	55
175	2D full-wave simulation of ordinary mode reflectometry. Plasma Physics and Controlled Fusion, 1993, 35, 601-618.	0.9	73
176	Axisymmetric Magnetic Control Design in Tokamaks Using Perturbed Equilibrium Plasma Response Modeling. Fusion Science and Technology, 1993, 23, 167-184.	0.6	40
177	Model Reduction for Axisymmetric Tokamak Control. Fusion Science and Technology, 1993, 24, 355-365.	0.6	6
178	One-dimensional full-wave analysis of reflectometry sensitivity and correlations. Plasma Physics and Controlled Fusion, 1992, 34, 1225-1251.	0.9	79
179	Comparison of Predicted and Measured Electromagnetic Data for Alcator C-MOD. Fusion Science and Technology, 1992, 21, 1898-1904.	0.6	0
180	The connected presheath: Oneâ€dimensional models of neighboring objects in magnetized plasmas. Physics of Fluids B, 1991, 3, 847-856.	1.7	44

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182	Measurement of the relaxation of electron parallel momentum in a tokamak. Nuclear Fusion, 1991, 31, 1938-1943.	1.6	11
183	Measurement of suprathermal electron confinement by cyclotron transmission. Physics of Fluids B, 1990, 2, 1421-1426.	1.7	8
184	Measurement of suprathermal electrons in tokamaks via electron cyclotron transmission. Nuclear Fusion, 1990, 30, 431-440.	1.6	35
185	Magnetic diagnostics in Alcator Câ€MOD. Review of Scientific Instruments, 1990, 61, 2967-2969.	0.6	21
186	Simplified models of axisymmetric magnetohydrodynamic instabilities. Nuclear Fusion, 1989, 29, 2107-2113.	1.6	14
187	Alcator C-Mod: A high-field divertor tokamak. Journal of Nuclear Materials, 1989, 162-164, 793-798.	1.3	10
188	Plasma flow measurements along the presheath of a magnetized plasma. Physics of Fluids B, 1989, 1, 2229-2238.	1.7	70
189	Kinetic theory of ion collection by probing objects in flowing strongly magnetized plasmas. Physical Review A, 1988, 38, 4721-4731.	1.0	127
190	Ion collection by probes in strong magnetic fields with plasma flow. Physical Review A, 1988, 37, 4358-4366.	1.0	142
191	Reply to the comments of Stangeby. Physics of Fluids, 1988, 31, 2728-2729.	1.4	17
192	Analysis of internal magnetic fluctuations in the HBTX1A reversed field pinch. Plasma Physics and Controlled Fusion, 1987, 29, 161-187.	0.9	31
193	Internal magnetic probe measurements of MHD activity and current profiles in a tokamak. Nuclear Fusion, 1987, 27, 2085-2099.	1.6	6
194	Diagnosis of mildly relativistic electron velocity distributions by electron cyclotron emission in the Alcator C tokamak. Physics of Fluids, 1987, 30, 3809.	1.4	23
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196	Extraordinary mode absorption at the electron cyclotron harmonic frequencies as a tokamak electron temperature diagnostic. Nuclear Fusion, 1987, 27, 1283-1290.	1.6	15
197	Requirements for ohmic ignition. Journal of Fusion Energy, 1987, 6, 257-264.	0.5	9
198	Design and performance of compact vacuumâ€compatible submillimeter viewing dumps. Review of Scientific Instruments, 1986, 57, 1242-1247.	0.6	7

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