

Ian H Hutchinson

List of Publications by Year in descending order

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239
papers

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82
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242
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242
docs citations

242
times ranked

3247
citing authors

#	ARTICLE	IF	CITATIONS
1	First results from Alcator-C-Mod*. Physics of Plasmas, 1994, 1, 1511-1518.	0.7	359
2	Principal physics developments evaluated in the ITER design review. Nuclear Fusion, 2009, 49, 065012.	1.6	200
3	H mode confinement in Alcator C-Mod. Nuclear Fusion, 1997, 37, 793-807.	1.6	189
4	Characterization of enhanced D_{\pm} high-confinement modes in Alcator C-Mod. Physics of Plasmas, 1999, 6, 1943-1949.	0.7	178
5	A fluid theory of ion collection by probes in strong magnetic fields with plasma flow. Physics of Fluids, 1987, 30, 3777.	1.4	154
6	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
7	Ion collection by probes in strong magnetic fields with plasma flow. Physical Review A, 1988, 37, 4358-4366.	1.0	142
8	Observations of central toroidal rotation in ICRF heated Alcator C-Mod plasmas. Nuclear Fusion, 1998, 38, 75-85.	1.6	138
9	Nonaxisymmetric field effects on Alcator C-Mod. Physics of Plasmas, 2005, 12, 056110.	0.7	135
10	Kinetic theory of ion collection by probing objects in flowing strongly magnetized plasmas. Physical Review A, 1988, 38, 4721-4731.	1.0	127
11	Ion collection by a sphere in a flowing plasma: I. Quasineutral. Plasma Physics and Controlled Fusion, 2002, 44, 1953-1977.	0.9	126
12	Electron holes in phase space: What they are and why they matter. Physics of Plasmas, 2017, 24, .	0.7	121
13	Disruptions and halo currents in Alcator C-Mod. Nuclear Fusion, 1996, 36, 545-556.	1.6	117
14	Collisionless ion drag force on a spherical grain. Plasma Physics and Controlled Fusion, 2006, 48, 185-202.	0.9	117
15	Experimental investigation of transport phenomena in the scrape-off layer and divertor. Journal of Nuclear Materials, 1997, 241-243, 149-166.	1.3	114
16	Central impurity toroidal rotation in ICRF heated Alcator C-Mod plasmas. Nuclear Fusion, 1999, 39, 1175-1186.	1.6	113
17	Observations of anomalous momentum transport in Alcator C-Mod plasmas with no momentum input. Nuclear Fusion, 2004, 44, 379-386.	1.6	111
18	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

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19	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
20	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
21	The structure of magnetic fluctuations in the HBTX-1A reversed field pinch. Nuclear Fusion, 1984, 24, 59-74.	1.6	93
22	Divertor Physics Research on Alcator C-Mod. Fusion Science and Technology, 2007, 51, 369-389.	0.6	92
23	Electron cyclotron emission in Alcator tokamak. Nuclear Fusion, 1977, 17, 1077-1084.	1.6	89
24	Double transport barrier plasmas in Alcator C-Mod. Nuclear Fusion, 2002, 42, 510-519.	1.6	88
25	20 years of research on the Alcator C-Mod tokamak. Physics of Plasmas, 2014, 21, .	0.7	88
26	Gas jet disruption mitigation studies on Alcator C-Mod and DIII-D. Nuclear Fusion, 2007, 47, 1086-1091.	1.6	86
27	Self-Acceleration of a Tokamak Plasma during Ohmic H Mode. Physical Review Letters, 2000, 84, 3330-3333.	2.9	85
28	Pedestal profiles and fluctuations in C-Mod enhanced D-alpha H-modes. Physics of Plasmas, 2001, 8, 2033-2040.	0.7	85
29	Experimental vertical stability studies for ITER performance and design guidance. Nuclear Fusion, 2009, 49, 115003.	1.6	84
30	Scaling and transport analysis of divertor conditions on the Alcator C-Mod tokamak. Physics of Plasmas, 1995, 2, 2242-2248.	0.7	82
31	ADX: a high field, high power density, advanced divertor and RF tokamak. Nuclear Fusion, 2015, 55, 053020.	1.6	82
32	Observation of Anomalous Momentum Transport in Tokamak Plasmas with No Momentum Input. Physical Review Letters, 2003, 91, 205003.	2.9	80
33	One-dimensional full-wave analysis of reflectometry sensitivity and correlations. Plasma Physics and Controlled Fusion, 1992, 34, 1225-1251.	0.9	79
34	The quasi-coherent signature of enhanced D-alpha H-mode in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2001, 43, L23-L30.	0.9	77
35	2D full-wave simulation of ordinary mode reflectometry. Plasma Physics and Controlled Fusion, 1993, 35, 601-618.	0.9	73
36	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

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37	Effect of N ₂ , Ne and Ar seeding on Alcator C-Mod H-mode confinement. Journal of Nuclear Materials, 2011, 415, S340-S344.	1.3	73
38	Studies of EDA H-mode in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2000, 42, A263-A269.	0.9	72
39	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
40	Sensitivity of detachment extent to magnetic configuration and external parameters. Nuclear Fusion, 2016, 56, 056007.	1.6	71
41	Plasma flow measurements along the presheath of a magnetized plasma. Physics of Fluids B, 1989, 1, 2229-2238.	1.7	70
42	Radiofrequency-heated enhanced confinement modes in the Alcator C-Mod tokamak. Physics of Plasmas, 1997, 4, 1647-1653.	0.7	70
43	Scaling of the power exhaust channel in Alcator C-Mod. Physics of Plasmas, 2011, 18, 056104.	0.7	69
44	High-Density Discharges in the Alcator Tokamak. Physical Review Letters, 1977, 39, 1266-1270.	2.9	68
45	Electric probes in plasmas. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1986, 4, 1810-1816.	0.9	66
46	Nonlinear collisionless plasma wakes of small particles. Physics of Plasmas, 2011, 18, .	0.7	66
47	Operation of Alcator C-Mod with high-Z plasma facing components and implications. Physics of Plasmas, 2006, 13, 056117.	0.7	64
48	Poloidal variation of high-Z impurity density due to hydrogen minority ion cyclotron resonance heating on Alcator C-Mod. Plasma Physics and Controlled Fusion, 2012, 54, 045004.	0.9	63
49	X-ray imaging crystal spectroscopy for use in plasma transport research. Review of Scientific Instruments, 2012, 83, 113504.	0.6	63
50	The effects of field reversal on the Alcator C-Mod divertor. Plasma Physics and Controlled Fusion, 1995, 37, 1389-1406.	0.9	62
51	Effects of neutral particles on edge dynamics in Alcator C-Mod plasmas. Physics of Plasmas, 2000, 7, 1919-1926.	0.7	62
52	Diagnostic Systems on Alcator C-Mod. Fusion Science and Technology, 2007, 51, 476-507.	0.6	62
53	Intergrain forces in low-Mach-number plasma wakes. Physical Review E, 2012, 85, 066409.	0.8	60
54	Impurity transport in Alcator C-Mod plasmas. Physics of Plasmas, 1997, 4, 1605-1609.	0.7	59

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55	Toroidal rotation and momentum transport in Alcator C-Mod plasmas with no momentum input. <i>Physics of Plasmas</i> , 2004, 11, 2427-2432.	0.7	59
56	Lower-Hybrid-Wave Heating in the Alcator-ATokamak. <i>Physical Review Letters</i> , 1979, 43, 274-278.	2.9	58
57	Lower hybrid heating in the Alcator A tokamak. <i>Nuclear Fusion</i> , 1981, 21, 427-452.	1.6	56
58	Impurity toroidal rotation and transport in Alcator C-Mod ohmic high confinement mode plasmas. <i>Physics of Plasmas</i> , 2000, 7, 1825-1830.	0.7	56
59	Thermal front analysis of detached divertors and MARFEs. <i>Nuclear Fusion</i> , 1994, 34, 1337-1348.	1.6	55
60	Observation of Self-Generated Flows in Tokamak Plasmas with Lower-Hybrid-Driven Current. <i>Physical Review Letters</i> , 2009, 102, 035002.	2.9	54
61	Transport and drift-driven plasma flow components in the Alcator C-Mod boundary plasma. <i>Nuclear Fusion</i> , 2013, 53, 023001.	1.6	54
62	Excited-state populations in neutral beam emission. <i>Plasma Physics and Controlled Fusion</i> , 2002, 44, 71-82.	0.9	50
63	Disruptive MHD activity during plasma current rise in Alcator A tokamak. <i>Nuclear Fusion</i> , 1979, 19, 1587-1595.	1.6	49
64	Measurements of the high confinement mode pedestal region on Alcator C-Mod. <i>Physics of Plasmas</i> , 1998, 5, 1744-1751.	0.7	49
65	Collisional effects on nonlinear ion drag force for small grains. <i>Physics of Plasmas</i> , 2013, 20, 083701.	0.7	47
66	Comparison of detached and radiative divertor operation in Alcator C-Mod. <i>Physics of Plasmas</i> , 1996, 3, 1908-1915.	0.7	45
67	Study of Driven Lower-Hybrid Waves in the Alcator Tokamak using CO ₂ -Laser Scattering. <i>Physical Review Letters</i> , 1979, 43, 1016-1019.	2.9	44
68	Nonthermal electron velocity distribution measured by electron cyclotron emission in Alcator C tokamak. <i>Physical Review Letters</i> , 1986, 56, 340-343.	2.9	44
69	The connected presheath: One-dimensional models of neighboring objects in magnetized plasmas. <i>Physics of Fluids B</i> , 1991, 3, 847-856.	1.7	44
70	High confinement dissipative divertor operation on Alcator C-Mod. <i>Physics of Plasmas</i> , 1999, 6, 1899-1906.	0.7	44
71	Experimental studies of ITER demonstration discharges. <i>Nuclear Fusion</i> , 2009, 49, 085015.	1.6	42
72	Internal transport barriers on Alcator C-Mod. <i>Physics of Plasmas</i> , 2001, 8, 2023-2028.	0.7	41

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73	The skin effect and its relaxation in tokamak LT-3. Nuclear Fusion, 1976, 16, 447-456.	1.6	40
74	Axisymmetric Magnetic Control Design in Tokamaks Using Perturbed Equilibrium Plasma Response Modeling. Fusion Science and Technology, 1993, 23, 167-184.	0.6	40
75	The magnetic presheath boundary condition with $E \times B$ drifts. Physics of Plasmas, 1996, 3, 6-7.	0.7	40
76	Confinement and Transport Research in Alcator C-Mod. Fusion Science and Technology, 2007, 51, 266-287.	0.6	40
77	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
78	Radial impurity transport in the H mode transport barrier region in Alcator C-Mod. Nuclear Fusion, 2000, 40, 1795-1804.	1.6	37
79	Pressure profile modification of internal transport barrier plasmas in Alcator C-Mod. Nuclear Fusion, 2003, 43, 781-788.	1.6	37
80	The invalidity of a Mach probe model. Physics of Plasmas, 2002, 9, 1832-1833.	0.7	36
81	H-Mode Pedestal and L-H Transition Studies on Alcator C-Mod. Fusion Science and Technology, 2007, 51, 317-341.	0.6	36
82	Measurement of suprathermal electrons in tokamaks via electron cyclotron transmission. Nuclear Fusion, 1990, 30, 431-440.	1.6	35
83	Neutral particle dynamics in the Alcator C-Mod tokamak. Nuclear Fusion, 1997, 37, 151-163.	1.6	35
84	Two dimensional radiated power diagnostics on Alcator C-Mod. Review of Scientific Instruments, 2008, 79, 10F306.	0.6	35
85	Forces on a Small Grain in the Nonlinear Plasma Wake of Another. Physical Review Letters, 2011, 107, 095001.	2.9	34
86	Magnetic Probe Investigation of the Disruptive Instability in Tokamak LT-3. Physical Review Letters, 1976, 37, 338-341.	2.9	33
87	Study of driven lower-hybrid waves in the Alcator A tokamak using CO ₂ laser scattering. Physics of Fluids, 1982, 25, 457.	1.4	33
88	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
89	H-modes on Alcator C-Mod. Plasma Physics and Controlled Fusion, 1996, 38, 1127-1136.	0.9	32
90	Double transport barrier experiments on Alcator C-Mod. Physics of Plasmas, 2002, 9, 2149-2155.	0.7	32

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91	Fully Self-Consistent Ion-Drag-Force Calculations for Dust in Collisional Plasmas with an External Electric Field. <i>Physical Review Letters</i> , 2008, 101, 025001.	2.9	32
92	Analysis of internal magnetic fluctuations in the HBTX1A reversed field pinch. <i>Plasma Physics and Controlled Fusion</i> , 1987, 29, 161-187.	0.9	31
93	Multisatellite MMS Analysis of Electron Holes in the Earth's Magnetotail: Origin, Properties, Velocity Gap, and Transverse Instability. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028066.	0.8	31
94	Spin stability of asymmetrically charged plasma dust. <i>New Journal of Physics</i> , 2004, 6, 43-43.	1.2	30
95	Overview of the Alcator C-Mod Research Program. <i>Nuclear Fusion</i> , 2009, 49, 104014.	1.6	29
96	Upgrade of reflectometry profile and fluctuation measurements in Alcator C-Mod. <i>Review of Scientific Instruments</i> , 1999, 70, 1078-1081.	0.6	28
97	Overview of the Alcator C-Mod program. <i>Nuclear Fusion</i> , 2005, 45, S109-S117.	1.6	28
98	Inboard and outboard radial electric field wells in the H- and I-mode pedestal of Alcator C-Mod and poloidal variations of impurity temperature. <i>Nuclear Fusion</i> , 2014, 54, 083017.	1.6	28
99	Effects of a generalized presheath source in flowing magnetized plasmas. <i>Physics of Fluids B</i> , 1991, 3, 3053-3058.	1.7	27
100	Electron collection by a negatively charged sphere in a collisionless magnetoplasma. <i>Physics of Plasmas</i> , 2007, 14, 062111.	0.7	27
101	Particle drifts and the transition to containment in the LT-3 Tokamak. <i>Nuclear Fusion</i> , 1974, 14, 649-656.	1.6	26
102	Ion-collecting sphere in a stationary, weakly magnetized plasma with finite shielding length. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, 1719-1733.	0.9	26
103	Oblique ion collection in the drift approximation: How magnetized Mach probes really work. <i>Physics of Plasmas</i> , 2008, 15, 123503.	0.7	26
104	Effects of Magnetic Shear on Toroidal Rotation in Tokamak Plasmas with Lower Hybrid Current Drive. <i>Physical Review Letters</i> , 2013, 111, 125003.	2.9	26
105	Poloidal asymmetries in edge transport barriers. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	26
106	Observations of fluctuating \tilde{I}_{top} emission in Alcator tokamaks. <i>Physics of Fluids</i> , 1980, 23, 1698.	1.4	25
107	Diagnosis of mildly relativistic electron velocity distributions by electron cyclotron emission in the Alcator C tokamak. <i>Physics of Fluids</i> , 1987, 30, 3809.	1.4	23
108	Spontaneous Toroidal Rotation in Alcator C-Mod Plasmas with No Momentum Input. <i>Fusion Science and Technology</i> , 2007, 51, 288-302.	0.6	23

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109	Ion Collection by Oblique Surfaces of an Object in a Transversely Flowing Strongly Magnetized Plasma. <i>Physical Review Letters</i> , 2008, 101, 035004.	2.9	23
110	Mechanism for the α -particle Radiation in Tokamaks. <i>Physical Review Letters</i> , 1978, 40, 1091-1094.	2.9	22
111	Survey of ICRF heating experiments and enhanced performance modes in Alcator C-Mod. <i>Plasma Physics and Controlled Fusion</i> , 1996, 38, 2215-2229.	0.9	22
112	Plasma Shape Control: A General Approach and Its Application to Alcator C-Mod. <i>Fusion Science and Technology</i> , 1996, 30, 137-150.	0.6	22
113	Electron heating via mode converted ion Bernstein waves in the Alcator C-Mod tokamak. <i>Physics of Plasmas</i> , 1997, 4, 1774-1782.	0.7	22
114	Plasma electron hole kinematics. II. Hole tracking Particle-In-Cell simulation. <i>Physics of Plasmas</i> , 2016, 23, 082102.	0.7	22
115	Magnetic diagnostics in Alcator C-Mod. <i>Review of Scientific Instruments</i> , 1990, 61, 2967-2969.	0.6	21
116	Mode conversion electron heating in Alcator C-Mod: Theory and experiment. <i>Physics of Plasmas</i> , 2000, 7, 1886-1893.	0.7	21
117	Electromagnetic wall torques from magnetically confined plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2001, 43, 145-153.	0.9	21
118	Flowing plasmas and absorbing objects: analytic and numerical solutions culminating 80 years of ion-collection theory. <i>Plasma Physics and Controlled Fusion</i> , 2010, 52, 124005.	0.9	21
119	Diagnosis of mildly relativistic electron distributions by cyclotron emission. <i>Nuclear Fusion</i> , 1986, 26, 179-191.	1.6	20
120	Transport experiments in Alcator C-Mod. <i>Physics of Plasmas</i> , 1995, 2, 2308-2313.	0.7	20
121	Similarity in divertor studies. <i>Nuclear Fusion</i> , 1996, 36, 783-794.	1.6	20
122	Local impurity puffing as a scrape-off layer diagnostic on the Alcator C-Mod tokamak. <i>Journal of Nuclear Materials</i> , 1997, 241-243, 782-787.	1.3	20
123	Edge transport barrier phenomena in Alcator C-Mod. <i>Plasma Physics and Controlled Fusion</i> , 1999, 41, A609-A616.	0.9	20
124	Electron velocity distribution instability in magnetized plasma wakes and artificial electron mass. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	19
125	Convective rolls driven by internal heat sources. <i>Physics of Fluids</i> , 1974, 17, 1369.	1.4	18
126	Kinetic solution to the Mach probe problem in transversely flowing strongly magnetized plasmas. <i>Physical Review E</i> , 2009, 80, 036403.	0.8	18

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127	Current ramps in tokamaks: from present experiments to ITER scenarios. Nuclear Fusion, 2011, 51, 083026.	1.6	18
128	Reply to the comments of Stangeby. Physics of Fluids, 1988, 31, 2728-2729.	1.4	17
129	Characteristics of high- β confinement modes in Alcator C Mod. Physics of Plasmas, 1996, 3, 1992-1998.	0.7	17
130	Toroidally resolved radiation dynamics during a gas jet mitigated disruption on Alcator C-Mod. Nuclear Fusion, 2008, 48, 125004.	1.6	17
131	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
132	Non-neoclassical up/down asymmetry of impurity emission on Alcator C-Mod. Nuclear Fusion, 2013, 53, 043006.	1.6	17
133	Remote Control of Alcator C-Mod from Lawrence Livermore National Laboratory. Fusion Science and Technology, 1997, 32, 152-160.	0.6	16
134	Effects of LHRF on toroidal rotation in Alcator C-Mod plasmas. Nuclear Fusion, 2013, 53, 093015.	1.6	16
135	Plasma electron hole kinematics. I. Momentum conservation. Physics of Plasmas, 2016, 23, 082101.	0.7	16
136	Extraordinary mode absorption at the electron cyclotron harmonic frequencies as a tokamak electron temperature diagnostic. Nuclear Fusion, 1987, 27, 1283-1290.	1.6	15
137	First ohmic H modes in ALCATOR C-MOD. Nuclear Fusion, 1994, 34, 1039-1044.	1.6	15
138	Plasma inductance and stability metrics on Alcator C-Mod. Nuclear Fusion, 2008, 48, 065002.	1.6	15
139	Spherical probes at ion saturation in $E \times B$ fields. Plasma Physics and Controlled Fusion, 2010, 52, 035005.	0.9	15
140	Spherical conducting probes in finite Debye length plasmas and $E \times B$ fields. Plasma Physics and Controlled Fusion, 2011, 53, 025005.	0.9	15
141	Parallel transport studies of high-Z impurities in the core of Alcator C-Mod plasmas. Physics of Plasmas, 2013, 20, .	0.7	15
142	The measurement of the poloidal beta in the LT-3 Tokamak. Plasma Physics, 1976, 18, 246-249.	0.9	14
143	Simplified models of axisymmetric magnetohydrodynamic instabilities. Nuclear Fusion, 1989, 29, 2107-2113.	1.6	14
144	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

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145	Alcator C-Mod: research in support of ITER and steps beyond. Nuclear Fusion, 2015, 55, 104020.	1.6	14
146	Submillimetre emission in alcator tokamak. Infrared Physics, 1978, 18, 763-768.	0.5	13
147	The polarization of electron cyclotron emission from Alcator tokamak. Plasma Physics, 1979, 21, 1043-1052.	0.9	13
148	High-resolution spectral measurements of fluctuating γ -ray emission from Alcator. Physics of Fluids, 1983, 26, 310.	1.4	13
149	Overview of recent Alcator C-Mod results. Nuclear Fusion, 2001, 41, 1391-1400.	1.6	13
150	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
151	Overview of experimental results and code validation activities at Alcator C-Mod. Nuclear Fusion, 2013, 53, 104004.	1.6	13
152	Kinetic electron and ion instability of the lunar wake simulated at physical mass ratio. Physics of Plasmas, 2015, 22, 032311.	0.7	13
153	Current density measurement in Tokamak-type devices by longitudinal Thompson scattering: a proposal. Journal Physics D: Applied Physics, 1977, 10, L11-L16.	1.3	12
154	Particle drift effects on the Alcator C-Mod divertor. Plasma Physics and Controlled Fusion, 1996, 38, A301-A309.	0.9	12
155	ELMs and fast edge fluctuations in Alcator C-Mod. Plasma Physics and Controlled Fusion, 1998, 40, 765-770.	0.9	12
156	Kinematic Mechanism of Plasma Electron Hole Transverse Instability. Physical Review Letters, 2018, 120, 205101.	2.9	12
157	Dynamics of a slow electron hole coupled to an ion-acoustic soliton. Physics of Plasmas, 2018, 25, .	0.7	12
158	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
159	Transverse instability magnetic field thresholds of electron phase-space holes. Physical Review E, 2019, 99, 053209.	0.8	12
160	Observation and analysis of maser activity in a tokamak plasma. Physical Review Letters, 1985, 54, 800-803.	2.9	11
161	Measurement of the relaxation of electron parallel momentum in a tokamak. Nuclear Fusion, 1991, 31, 1938-1943.	1.6	11
162	Non-linear plasma wake growth of electron holes. Physics of Plasmas, 2015, 22, .	0.7	11

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163	Transverse instability of electron phase-space holes in multi-dimensional Maxwellian plasmas. Journal of Plasma Physics, 2018, 84, .	0.7	11
164	How can slow plasma electron holes exist?. Physical Review E, 2021, 104, 015208.	0.8	11
165	Spacecraft Observations and Theoretical Understanding of Slow Electron Holes. Physical Review Letters, 2021, 127, 165101.	2.9	11
166	Alcator C-Mod: A high-field divertor tokamak. Journal of Nuclear Materials, 1989, 162-164, 793-798.	1.3	10
167	Resistive modes in reversed magnetic shear Alcator C-Mod plasmas. Nuclear Fusion, 2000, 40, 1463-1468.	1.6	10
168	The coaxial multipactor experiment (CMX): A facility for investigating multipactor discharges. Review of Scientific Instruments, 2006, 77, 014701.	0.6	10
169	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
170	Requirements for ohmic ignition. Journal of Fusion Energy, 1987, 6, 257-264.	0.5	9
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	Overview of the Alcator C-MOD research programme. Nuclear Fusion, 2007, 47, S598-S607.	1.6	9
173	Properties of Electron Phase Space Holes in the Lunar Plasma Environment. Journal of Geophysical Research: Space Physics, 2019, 124, 4994-5008.	0.8	9
174	Alcator C vertical viewing electron cyclotron emission diagnostic. Review of Scientific Instruments, 1986, 57, 1959-1961.	0.6	8
175	Measurement of suprathermal electron confinement by cyclotron transmission. Physics of Fluids B, 1990, 2, 1421-1426.	1.7	8
176	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
177	Plasma electron hole oscillatory velocity instability. Journal of Plasma Physics, 2017, 83, .	0.7	8
178	Design and performance of compact vacuum-compatible submillimeter viewing dumps. Review of Scientific Instruments, 1986, 57, 1242-1247.	0.6	7
179	C-Mod: the next Alcator. , 0, , .		7
180	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

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181	Identification of Mercier instabilities in Alcator C-Mod tokamak. <i>Physics of Plasmas</i> , 2000, 7, 5087-5095.	0.7	7
182	Overview of recent Alcator C-Mod research. <i>Nuclear Fusion</i> , 2003, 43, 1610-1618.	1.6	7
183	Spherical Particle Interaction with Flowing Plasma: Computational Discoveries. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	7
184	Low q operations in Alcator. <i>Journal of Magnetism and Magnetic Materials</i> , 1979, 11, 363-367.	1.0	6
185	Polarization modulation of a submillimetre laser. <i>Optics Communications</i> , 1981, 38, 201-206.	1.0	6
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