

Craig Petty

List of Publications by Year in descending order

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205
papers

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citations

47006

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docs citations

206
times ranked

2212
citing authors

#	ARTICLE	IF	CITATIONS
1	DIII-D research advancing the physics basis for optimizing the tokamak approach to fusion energy. Nuclear Fusion, 2022, 62, 042024.	3.5	11
2	Deconvolving the roles of E $\tilde{\times}$ B shear and pedestal structure in the energy confinement quality of super H-mode experiments. Nuclear Fusion, 2022, 62, 056008.	3.5	3
3	Doubling off-axis electron cyclotron current drive efficiency via velocity space engineering. Nuclear Fusion, 2022, 62, 054001.	3.5	4
4	Response of thermal and fast-ion transport to beam ion population, rotation and T_{e}/T_{i} in the DIII-D steady state hybrid scenario. Nuclear Fusion, 2021, 61, 036036.	3.5	4
5	Follow the power “pathways to steady-state tokamak reactors. Nuclear Fusion, 2021, 61, 036028.	3.5	2
6	Resolving ECRH deposition broadening due to edge turbulence in DIII-D. Physics of Plasmas, 2021, 28, .	1.9	11
7	Examination of stiff ion temperature gradient mode physics in simulations of DIII-D H-mode transport. Nuclear Fusion, 2021, 61, 066033.	3.5	12
8	Diverted negative triangularity plasmas on DIII-D: the benefit of high confinement without the liability of an edge pedestal. Nuclear Fusion, 2021, 61, 116010.	3.5	20
9	The high-power helicon program at DIII-D: gearing up for first experiments. Nuclear Fusion, 2021, 61, 116034.	3.5	12
10	Grassy ELM regime at low pedestal collisionality in high-power tokamak plasma. Nuclear Fusion, 2021, 61, 016032.	3.5	13
11	Magnetic shear effect on plasma transport at $T_{e}/T_{i} \sim 1$ through electron cyclotron heating in DIII-D plasmas. Nuclear Fusion, 2021, 61, 016013.	3.5	0
12	Collisionality driven turbulent particle transport changes in DIII-D H-mode plasmas. Nuclear Fusion, 2020, 60, 066019.	3.5	16
13	Expanding the parameter space of the wide-pedestal QH-mode towards ITER conditions. Nuclear Fusion, 2020, 60, 092006.	3.5	10
14	Cause and impact of low-frequency chirping modes in DIII-D hybrid discharges. Nuclear Fusion, 2020, 60, 112009.	3.5	10
15	High performance double-null plasmas under radiating divertor and mantle scenarios on DIII-D. Nuclear Fusion, 2019, 59, 086053.	3.5	8
16	DIII-D research towards establishing the scientific basis for future fusion reactors. Nuclear Fusion, 2019, 59, 112002.	3.5	23
17	$L \rightarrow H$ transition trigger physics in ITER-similar plasmas with applied $n = 3$ magnetic perturbations. Nuclear Fusion, 2019, 59, 126010.	3.5	20
18	Top Launch for Higher Off-axis Electron Cyclotron Current Drive Efficiency. EPJ Web of Conferences, 2019, 203, 01004.	0.3	7

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19	Formation of a High Pressure Staircase Pedestal with Suppressed Edge Localized Modes in the DIII-D Tokamak. <i>Physical Review Letters</i> , 2019, 123, 115001.	7.8	24
20	Alfvén eigenmodes and fast ion transport in negative triangularity DIII-D plasmas. <i>Nuclear Fusion</i> , 2019, 59, 086028.	3.5	17
21	H-mode grade confinement in L-mode edge plasmas at negative triangularity on DIII-D. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	38
22	High-performance double-null plasmas under radiating mantle scenarios on DIII-D. <i>Nuclear Materials and Energy</i> , 2019, 19, 267-272.	1.3	6
23	Achievement of Reactor-Relevant Performance in Negative Triangularity Shape in the DIII-D Tokamak. <i>Physical Review Letters</i> , 2019, 122, 115001.	7.8	86
24	Dynamic neutral beam current and voltage control to improve beam efficacy in tokamaks. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	17
25	Hybrid simulations of fishbone instabilities and Alfvén eigenmodes in DIII-D tokamak. <i>Physics of Plasmas</i> , 2018, 25, 122504.	1.9	20
26	Grassy-ELM regime with edge resonant magnetic perturbations in fully noninductive plasmas in the DIII-D tokamak. <i>Nuclear Fusion</i> , 2018, 58, 106010.	3.5	35
27	Experiments on helicons in DIII-D—investigation of the physics of a reactor-relevant non-inductive current drive technology. <i>Nuclear Fusion</i> , 2018, 58, 106007.	3.5	25
28	Multi-field/-scale interactions of turbulence with neoclassical tearing mode magnetic islands in the DIII-D tokamak. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	46
29	Dependence of intrinsic torque and momentum confinement on normalized gyroradius and collisionality in the DIII-D tokamak. <i>Physics of Plasmas</i> , 2017, 24, 042501.	1.9	17
30	Fast-ion transport by Alfvén eigenmodes above a critical gradient threshold. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	37
31	Predicting rotation for ITER via studies of intrinsic torque and momentum transport in DIII-D. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	34
32	Advances in the steady-state hybrid regime in DIII-D—a fully non-inductive, ELM-suppressed scenario for ITER. <i>Nuclear Fusion</i> , 2017, 57, 116057.	3.5	25
33	Turbulence and sheared flow structures behind the isotopic dependence of the L-H power threshold on DIII-D. <i>Nuclear Fusion</i> , 2017, 57, 126015.	3.5	25
34	Experimental Measurement of ECH Deposition Broadening: Beyond Anomalous Transport. <i>EPJ Web of Conferences</i> , 2017, 147, 03001.	0.3	13
35	Role of density gradient driven trapped electron mode turbulence in the H-mode inner core with electron heating. <i>Physics of Plasmas</i> , 2016, 23, 056112.	1.9	33
36	Exploration of the Super H-mode regime on DIII-D and potential advantages for burning plasma devices. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	20

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37	Interpretation of fast-ion signals during beam modulation experiments. Nuclear Fusion, 2016, 56, 112011.	3.5	7
38	Method for correction of measured polarization angles from motional Stark effect spectroscopy for the effects of electric fields. Plasma Physics and Controlled Fusion, 2016, 58, 125010.	2.1	3
39	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
40	Observation of Critical-Gradient Behavior in Alfvén-Eigenmode-Induced Fast-Ion Transport. Physical Review Letters, 2016, 116, 095001.	7.8	78
41	Electron cyclotron heating can drastically alter reversed shear Alfvén eigenmode activity in DIII-D through finite pressure effects. Nuclear Fusion, 2016, 56, 112007.	3.5	47
42	Compatibility of internal transport barrier with steady-state operation in the high bootstrap fraction regime on DIII-D. Nuclear Fusion, 2015, 55, 123025.	3.5	83
43	Impact of central ECCD on steady-state hybrid scenario in DIII-D. AIP Conference Proceedings, 2015, , .	0.4	2
44	Finding evidence for density fluctuation effects on electron cyclotron heating deposition profiles on DIII-D. AIP Conference Proceedings, 2015, , .	0.4	2
45	Predictions of the near edge transport shortfall in DIII-D L-mode plasmas using the trapped gyro-Landau-fluid model. Physics of Plasmas, 2015, 22, 012507.	1.9	24
46	Nonlinear gyrokinetic simulations of the I-mode high confinement regime and comparisons with	1.9	16
47	056113.	1.9	36
48	Using neutral beams as a light ion beam probe (invited). Review of Scientific Instruments, 2014, 85, 11E701.	1.3	13
49	Enhanced localized energetic ion losses resulting from first-orbit linear and non-linear interactions with Alfvén eigenmodes in DIII-D. Physics of Plasmas, 2014, 21, 082503.	1.9	0
50	Prompt non-resonant neutral beam-ion loss induced by Alfvén eigenmodes in the DIII-D tokamak. Nuclear Fusion, 2013, 53, 123019.	3.5	16
51	Experimental characterization of multiscale and multifield turbulence as a critical gradient threshold is surpassed in the DIII-D tokamak. Physics of Plasmas, 2013, 20, .	1.9	21
52	Energetic ion transport by microturbulence is insignificant in tokamaks. Physics of Plasmas, 2013, 20, 056108.	1.9	35
53	Progress toward fully noninductive discharge operation in DIII-D using off-axis neutral beam injection. Physics of Plasmas, 2013, 20, 092504.	1.9	18
54	Multi-field characteristics and eigenmode spatial structure of geodesic acoustic modes in DIII-D L-mode plasmas. Physics of Plasmas, 2013, 20, .	1.9	42

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55	Enhanced Localized Energetic-Ion Losses Resulting from Single-Pass Interactions with Alfvén Eigenmodes. Physical Review Letters, 2013, 110, 065004.	7.8	24
56	Observation of a Critical Gradient Threshold for Electron Temperature Fluctuations in the DIII-D Tokamak. Physical Review Letters, 2013, 110, 045003.	7.8	43
57	Hybrid-like 2/1 flux-pumping and magnetic island evolution due to edge localized mode-neoclassical tearing mode coupling in DIII-D. Physics of Plasmas, 2012, 19, 022503.	1.9	9
58	Electron profile stiffness and critical gradient studies. Physics of Plasmas, 2012, 19, .	1.9	47
59	Progress in GYRO validation studies of DIII-D H-mode plasmas. Nuclear Fusion, 2012, 52, 114007.	3.5	33
60	Advances in validating gyrokinetic turbulence models against L- and H-mode plasmas. Physics of Plasmas, 2011, 18, 056113.	1.9	69
61	Balancing current drive and heating in DIII-D high noninductive current fraction discharges through choice of the toroidal field. Nuclear Fusion, 2011, 51, 113007.	3.5	3
62	Magnetohydrodynamic interference with the edge pedestal motional Stark effect diagnostic on DIII-D. Review of Scientific Instruments, 2011, 82, 033515.	1.3	1
63	Multi-field/multi-scale turbulence response to electron cyclotron heating of DIII-D ohmic plasmas. Physics of Plasmas, 2011, 18, 082504.	1.9	8
64	Effect of Particle Transport on the Measured Electron Cyclotron Current Drive Profile at High Relative Power Density. Fusion Science and Technology, 2010, 57, 10-18.	1.1	5
65	Trapped gyro-Landau-fluid transport modeling of DIII-D hybrid discharges. Physics of Plasmas, 2010, 17, .	1.9	23
66	Measurements of the cross-phase angle between density and electron temperature fluctuations and comparison with gyrokinetic simulations. Physics of Plasmas, 2010, 17, 056103.	1.9	77
67	Probing plasma turbulence by modulating the electron temperature gradient. Physics of Plasmas, 2010, 17, .	1.9	32
68	Mechanisms for generating toroidal rotation in tokamaks without external momentum input. Physics of Plasmas, 2010, 17, .	1.9	74
69	Validation of on- and off-axis neutral beam current drive against experiment in DIII-D. Physics of Plasmas, 2009, 16, 092508.	1.9	23
70	Magnetic-Flux Pumping in High-Performance, Stationary Plasmas with Tearing Modes. Physical Review Letters, 2009, 102, 045005.	7.8	71
71	Dependence of the L- to H-mode power threshold on toroidal rotation and the link to edge turbulence dynamics. Nuclear Fusion, 2009, 49, 115016.	3.5	70
72	Beam-ion confinement for different injection geometries. Plasma Physics and Controlled Fusion, 2009, 51, 125001.	2.1	31

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73	Evidence for Fast-Ion Transport by Microturbulence. <i>Physical Review Letters</i> , 2009, 103, 175001.	7.8	63
74	Reversed shear Alfvén eigenmode stabilization by localized electron cyclotron heating. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 035009.	2.1	47
75	Application of dimensionless parameter scaling techniques to the design and interpretation of magnetic fusion experiments. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 043001.	2.1	66
76	Sizing up plasmas using dimensionless parameters. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	71
77	Rocket Propulsion Through Multiply-Charged Ions From a Mirror Plasma. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
78	Electron Cyclotron Current Drive at High Electron Temperature on DIII-D. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1
79	Modeling of Time-dependent Radial Transport of Electron Distribution Perturbations Caused by ECCD in DIII-D. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
80	Stabilization and prevention of the 2/1 neoclassical tearing mode for improved performance in DIII-D. <i>Nuclear Fusion</i> , 2007, 47, 371-377.	3.5	63
81	Evidence for anomalous effects on the current evolution in the tokamak hybrid operating scenarios. <i>Nuclear Fusion</i> , 2007, 47, 825-832.	3.5	14
82	Experimental tests of paleoclassical transport. <i>Nuclear Fusion</i> , 2007, 47, 1449-1457.	3.5	7
83	Response of multiscale turbulence to electron cyclotron heating in the DIII-D tokamak. <i>Physics of Plasmas</i> , 2007, 14, 056117.	1.9	29
84	Sawtooth oscillations in shaped plasmas. <i>Physics of Plasmas</i> , 2007, 14, 055701.	1.9	21
85	Momentum confinement at low torque. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B313-B324.	2.1	84
86	Broad wavenumber turbulence and transport during Ohmic and electron cyclotron heating in the DIII-D tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B183-B193.	2.1	30
87	Recent progress on the development and analysis of the ITPA global H-mode confinement database. <i>Nuclear Fusion</i> , 2007, 47, 147-174.	3.5	55
88	Projected profile similarity in gyrokinetic simulations of Bohm and gyro-Bohm scaled DIII-D L and H modes. <i>Physics of Plasmas</i> , 2006, 13, 072304.	1.9	24
89	Progress on advanced tokamak and steady-state scenario development on DIII-D and NSTX. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, B39-B52.	2.1	13
90	Progress toward fully noninductive, high beta conditions in DIII-D. <i>Physics of Plasmas</i> , 2006, 13, 056106.	1.9	57

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91	A comparison of sawtooth oscillations in bean and oval shaped plasmas. Plasma Physics and Controlled Fusion, 2006, 48, L65-L72.	2.1	29
92	Feedback control of the safety factor profile evolution during formation of an advanced tokamak discharge. Nuclear Fusion, 2006, 46, L13-L17.	3.5	49
93	Simulation of fast Alfvén wave interaction with beam ions over a range of cyclotron harmonics in DIII-D tokamak. Nuclear Fusion, 2006, 46, S409-S415.	3.5	8
94	Control of plasma profiles in DIII-D discharges. Plasma Physics and Controlled Fusion, 2006, 48, A45-A53.	2.1	14
95	Absorption of fast waves at moderate to high ion cyclotron harmonics on DIII-D. Nuclear Fusion, 2006, 46, S416-S424.	3.5	21
96	The role of aspect ratio and beta in H-mode confinement scalings. Plasma Physics and Controlled Fusion, 2006, 48, A429-A438.	2.1	15
97	Core barrier formation near integer q surfaces in DIII-D. Physics of Plasmas, 2006, 13, 082502.	1.9	73
98	Active control for stabilization of neoclassical tearing modes. Physics of Plasmas, 2006, 13, 056113.	1.9	58
99	Access to sustained high-beta with internal transport barrier and negative central magnetic shear in DIII-D. Physics of Plasmas, 2006, 13, 056110.	1.9	51
100	Electron energy transport inferences from modulated electron cyclotron heating in DIII-D. Physics of Plasmas, 2006, 13, 012311.	1.9	37
101	Tearing Mode Suppression as Part of a Comprehensive Real-Time Disruption Avoidance and Mitigation System. Journal of Physics: Conference Series, 2005, 25, 252-256.	0.4	6
102	Hybrid Scenario Development in DIII-D. Fusion Science and Technology, 2005, 48, 1199-1211.	1.1	5
103	Electron Cyclotron Heating on DIII-D. Fusion Science and Technology, 2005, 48, 1141-1148.	1.1	8
104	Current Profile Measurement on the DIII-D Tokamak. Fusion Science and Technology, 2005, 48, 852-863.	1.1	12
105	Dimensionless Parameter Scaling of Transport in DIII-D. Fusion Science and Technology, 2005, 48, 978-987.	1.1	8
106	Radio-Frequency Current Drive in DIII-D. Fusion Science and Technology, 2005, 48, 1159-1169.	1.1	2
107	Higher stable beta by use of pre-emptive electron cyclotron current drive on DIII-D. Nuclear Fusion, 2005, 45, L37-L41.	3.5	28
108	Modulated Current Drive Measurements. AIP Conference Proceedings, 2005, , .	0.4	0

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109	Scaling of the energy confinement time with \hat{I}^2 and collisionality approaching ITER conditions. Nuclear Fusion, 2005, 45, 1078-1084.	3.5	49
110	Direct measurement of neoclassical currents using motional Stark effect polarimetry. Plasma Physics and Controlled Fusion, 2005, 47, 1077-1100.	2.1	20
111	Search for a critical electron temperature gradient in DIII-D L-mode discharges. Nuclear Fusion, 2005, 45, 494-501.	3.5	31
112	On the parasitic absorption in FWCD experiments in JET ITB plasmas. Nuclear Fusion, 2005, 45, 706-720.	3.5	13
113	Development, physics basis and performance projections for hybrid scenario operation in ITER on DIII-D. Nuclear Fusion, 2005, 45, 407-416.	3.5	85
114	Stationary, high bootstrap fraction plasmas in DIII-D without inductive current control. Nuclear Fusion, 2005, 45, 417-424.	3.5	53
115	Optimization of DIII-D advanced tokamak discharges with respect to the \hat{I}^2 limit. Physics of Plasmas, 2005, 12, 056126.	1.9	55
116	100% noninductive operation at high beta using off-axis ECCD in DIII-D. Nuclear Fusion, 2005, 45, 1419-1426.	3.5	80
117	Advanced tokamak research in DIII-D. Plasma Physics and Controlled Fusion, 2004, 46, B213-B233.	2.1	30
118	Similarity in H-mode energy confinement: \hat{A}^* rather than n limits should be kept fixed. Plasma Physics and Controlled Fusion, 2004, 46, A207-A213.	2.1	12
119	Heating and current drive by electron cyclotron waves in JT-60U. Nuclear Fusion, 2004, 44, 699-708.	3.5	38
120	Comparison of $m=2, n=1$ neo-classical tearing mode limits in JET and DIII-D. Nuclear Fusion, 2004, 44, 788-794.	3.5	36
121	Beta scaling of transport on the DIII-D Tokamak: Is transport electrostatic or electromagnetic?. Physics of Plasmas, 2004, 11, 2514-2522.	1.9	63
122	Safety factor scaling of energy transport in L-mode plasmas on the DIII-D tokamak. Physics of Plasmas, 2004, 11, 1011-1018.	1.9	19
123	Alpha-Channelling Simulation Experiment in the DIII-D Tokamak. Physical Review Letters, 2004, 93, 085002.	7.8	21
124	Progress in long scale length laser-plasma interactions. Nuclear Fusion, 2004, 44, S185-S190.	3.5	29
125	Complete suppression of the $m=2/n=1$ neoclassical tearing mode using electron cyclotron current drive in DIII-D. Nuclear Fusion, 2004, 44, 243-251.	3.5	146
126	The beta scaling of energy confinement in ELMy H-modes in JET. Plasma Physics and Controlled Fusion, 2004, 46, A215-A225.	2.1	67

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127	High performance advanced tokamak regimes in DIII-D for next-step experiments. Physics of Plasmas, 2004, 11, 2616-2626.	1.9	19
128	Effects of electron trapping and transport on electron cyclotron current drive on DIII-D. Nuclear Fusion, 2003, 43, 700-707.	3.5	43
129	Modification of the Current Profile in High-Performance Plasmas using Off-Axis Electron-Cyclotron-Current Drive in DIII-D. Physical Review Letters, 2003, 90, 255001.	7.8	27
130	Propagation of magnetic islands in the $E_r=0$ frame of co-injected neutral beam driven discharges in the DIII-D tokamak. Physics of Plasmas, 2003, 10, 3644-3648.	1.9	37
131	Comparison of gyrokinetic stability code calculated critical ion temperature gradients and growth rates to DIII-D measured gradients and diffusivities. Physics of Plasmas, 2003, 10, 4419-4426.	1.9	8
132	Advanced tokamak profile evolution in DIII-D. Physics of Plasmas, 2003, 10, 1691-1697.	1.9	24
133	Discharge improvement through control of neoclassical tearing modes by localized ECCD in DIII-D. Nuclear Fusion, 2003, 43, 1128-1134.	3.5	66
134	Complete Suppression of the $m=2/n=1$ NTM Using ECCD on DIII-D. AIP Conference Proceedings, 2003, , .	0.4	1
135	Integrated, advanced tokamak operation on DIII-D. Nuclear Fusion, 2003, 43, 634-646.	3.5	48
136	Effect of rotation on H-mode transport in DIII-D via changes in the $E_{\perp}-B$ velocity shear. Physics of Plasmas, 2002, 9, 128-136.	1.9	29
137	Control of neoclassical tearing modes in DIII-D. Physics of Plasmas, 2002, 9, 2051-2060.	1.9	210
138	Analysis of combined fast wave current drive and neutral beam injection in the DIII-D tokamak. Physics of Plasmas, 2002, 9, 1318-1325.	1.9	10
139	Detailed measurements of the electron cyclotron current drive efficiency on DIII-D. Nuclear Fusion, 2002, 42, 1366-1375.	3.5	66
140	Analysis of current drive using MSE polarimetry without equilibrium reconstruction. Nuclear Fusion, 2002, 42, 1124-1133.	3.5	29
141	Experimental validation of similarity in high-temperature plasmas. Nuclear Fusion, 2002, 42, 1193-1196.	3.5	17
142	Fast wave current drive at high ion cyclotron harmonics on DIII-D. Plasma Physics and Controlled Fusion, 2001, 43, 1747-1758.	2.1	25
143	Electron cyclotron wave experiments on DIII-D. AIP Conference Proceedings, 2001, , .	0.4	5
144	Localized measurements of electron cyclotron current drive using MSE spectroscopy on the DIII-D tokamak. Nuclear Fusion, 2001, 41, 551-566.	3.5	25

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145	Non-dimensional scaling of turbulence characteristics and turbulent diffusivity. Nuclear Fusion, 2001, 41, 1235-1242.	3.5	100
146	Physics of confinement improvement of plasmas with impurity injection in DIII-D. Nuclear Fusion, 2001, 41, 317-323.	3.5	36
147	The combined effect of EPMs and TAEs on energetic ion confinement and sawtooth stabilization. Nuclear Fusion, 2001, 41, 513-518.	3.5	25
148	Long pulse high performance discharges in the DIII-D tokamak. Nuclear Fusion, 2001, 41, 1585-1599.	3.5	68
149	Radiofrequency experiments in JFT-2M: Demonstration of innovative applications of a travelling wave antenna. Nuclear Fusion, 2001, 41, 1767-1775.	3.5	34
150	Quiescent double barrier high-confinement mode plasmas in the DIII-D tokamak. Physics of Plasmas, 2001, 8, 2153-2162.	1.9	190
151	Progress toward long-pulse high-performance Advanced Tokamak discharges on the DIII-D tokamak. Physics of Plasmas, 2001, 8, 2208-2216.	1.9	50
152	Thermal diffusivities in DIII-D show evidence of critical gradients. Physics of Plasmas, 2001, 8, 4128-4137.	1.9	40
153	DIII-D advanced tokamak research overview. Nuclear Fusion, 2000, 40, 1137-1144.	3.5	15
154	Dimensionless \hat{A}^* scaling of particle transport in DIII-D L mode discharges. Nuclear Fusion, 2000, 40, 799-806.	3.5	9
155	Particle transport phenomena in the DIII-D tokamak. Nuclear Fusion, 2000, 40, 1003-1016.	3.5	58
156	Understanding and control of transport in Advanced Tokamak regimes in DIII-D. Physics of Plasmas, 2000, 7, 1959-1967.	1.9	49
157	Fast wave current drive in H mode plasmas on the DIII-D tokamak. Nuclear Fusion, 1999, 39, 1421-1432.	3.5	34
158	Correlation analysis of 110 GHz ECH modulation experiments on the DIII-D tokamak. Plasma Physics and Controlled Fusion, 1999, 41, 931-940.	2.1	11
159	Behaviour of electron and ion transport in discharges with an internal transport barrier in the DIII-D tokamak. Nuclear Fusion, 1999, 39, 1723-1732.	3.5	61
160	Modification of the current profile in DIII-D by off-axis electron cyclotron current drive. Plasma Physics and Controlled Fusion, 1999, 41, B119-B127.	2.1	18
161	Dependence of Heat and Particle Transport on the Ratio of the Ion and Electron Temperatures. Physical Review Letters, 1999, 83, 3661-3664.	7.8	73
162	Scaling of heat transport with collisionality. Physics of Plasmas, 1999, 6, 909-921.	1.9	39

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163	Electron heat transport in improved confinement discharges in DIII-D. Physics of Plasmas, 1999, 6, 1978-1984.	1.9	100
164	Generation of Localized Noninductive Current by Electron Cyclotron Waves on the DIII-D Tokamak. Physical Review Letters, 1999, 83, 4550-4553.	7.8	81
165	High harmonic ion cyclotron heating in DIII-D: Beam ion absorption and sawtooth stabilization. Nuclear Fusion, 1999, 39, 1369-1389.	3.5	51
166	Recent progress in ICRF physics. Plasma Physics and Controlled Fusion, 1998, 40, A35-A52.	2.1	33
167	Scaling of heat transport with beta in the DIII-D tokamak. Nuclear Fusion, 1998, 38, 1183-1198.	3.5	45
168	Experimental constraints on transport from dimensionless parameter scaling studies. Physics of Plasmas, 1998, 5, 1695-1702.	1.9	36
169	Projections of gyroradius scaling experiments to an ignition tokamak. Nuclear Fusion, 1997, 37, 1-6.	3.5	23
170	Gyroradius Scaling of Helium Transport. Physical Review Letters, 1997, 79, 419-422.	7.8	20
171	Measurements of ICRF loading on DIII-D with and without a Faraday shield. Nuclear Fusion, 1997, 37, 211-224.	3.5	19
172	Fast wave current drive in neutral beam heated plasmas on DIII-D. , 1997, , .		8
173	Reduction of toroidal rotation by fast wave power in DIII-D. , 1997, , .		1
174	Fast wave antenna array feed circuits tolerant of time-varying loading for DIII-D. , 1997, , .		3
175	Higher Fusion Power Gain with Current and Pressure Profile Control in Strongly Shaped DIII-D Tokamak Plasmas. Physical Review Letters, 1996, 77, 2714-2717.	7.8	128
176	Fast wave current drive on DIII-D. , 1996, , .		2
177	Experimentally determined profiles of fast wave current drive in a tokamak. Physics of Plasmas, 1996, 3, 2846-2848.	1.9	9
178	Energy Transport in Tokamak Plasmas with Central Current Density Control Using Fast Waves. Physical Review Letters, 1996, 77, 3141-3144.	7.8	36
179	Gyroradius Scaling of Electron and Ion Transport. Physical Review Letters, 1995, 74, 1763-1766.	7.8	75
180	Two-fluid analysis of dimensionally similar discharges. Physica Scripta, 1995, 52, 444-448.	2.5	3

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181	Nondimensional transport scaling in DIII-D: Bohm versus gyro-Bohm resolved. Physics of Plasmas, 1995, 2, 2342-2348.	1.9	102
182	Fast wave and electron cyclotron current drive in the DIII-D tokamak. Nuclear Fusion, 1995, 35, 773-786.	3.5	44
183	Conversion of the four-strap array in DIII-D to a tunable traveling wave antenna. AIP Conference Proceedings, 1994, , .	0.4	0
184	Dimensionally similar discharges with central rf heating on the DIII-D tokamak. AIP Conference Proceedings, 1994, , .	0.4	1
185	Power compensators for phased operation of antenna arrays on JET and DIII-D. AIP Conference Proceedings, 1994, , .	0.4	7
186	Inward transport of energy during off-axis heating on the DIII-D tokamak. Nuclear Fusion, 1994, 34, 121-130.	3.5	70
187	The ergodic limit of multipass absorption for fast wave current drive in tokamaks. Physics of Plasmas, 1994, 1, 3915-3927.	1.9	7
188	Investigation of the formation of a fully pressure-driven tokamak*. Physics of Plasmas, 1994, 1, 1568-1575.	1.9	81
189	Current drive with fast waves, electron cyclotron waves, and neutral injection in the DIII-D tokamak. Plasma Physics and Controlled Fusion, 1993, 35, A53-A70.	2.1	22
190	Ion Bernstein wave antenna loading measurements on the DIII-D tokamak. Nuclear Fusion, 1993, 33, 627-642.	3.5	20
191	Observation of parametric decay correlated with edge heating using an ion Bernstein wave antenna on DIII-D. Nuclear Fusion, 1993, 33, 777-793.	3.5	27
192	Analysis of the coupling properties of the toroidal antenna array in JFT-2M by a code considering the solid septa. Nuclear Fusion, 1993, 33, 421-434.	3.5	9
193	Absorption of fast waves by electrons on the DIII-D tokamak. Physical Review Letters, 1992, 69, 289-292.	7.8	36
194	Inward energy transport in tokamak plasmas. Physical Review Letters, 1992, 68, 52-55.	7.8	135
195	ICRF Heating Experiments on DIII-D. AIP Conference Proceedings, 1992, , .	0.4	3
196	Design and Performance of Fast Wave Current Drive Systems in the ICRF. AIP Conference Proceedings, 1992, , .	0.4	2
197	Direct Electron Heating by 60 MHz Fast Waves on DIII-D. AIP Conference Proceedings, 1992, , .	0.4	3
198	Theory of Ion Bernstein Wave Coupling at Low Edge Densities. AIP Conference Proceedings, 1992, , .	0.4	1

#	ARTICLE	IF	CITATIONS
199	Fast Wave Current Drive Antenna Performance on DIII-D. AIP Conference Proceedings, 1992, , .	0.4	4
200	Analysis of Coupling Properties of Antenna Array in JFT-2M. AIP Conference Proceedings, 1992, , .	0.4	0
201	Analysis of Non-Inductive Current Drive from ECCD and Bootstrap on T-10. AIP Conference Proceedings, 1992, , .	0.4	0
202	Modeling of Fast Wave Current Drive Experiments on DIII-D. AIP Conference Proceedings, 1992, , .	0.4	3
203	Investigation of Fast Wave Current Drive a High Nz Four-Loop Antenna in JFT-2M Tokamak. AIP Conference Proceedings, 1992, , .	0.4	1
204	Fundamental and Second Harmonic Hydrogen Fast-Wave Heating on DIII-D. AIP Conference Proceedings, 1992, , .	0.4	0
205	Doubling off-axis electron cyclotron current drive efficiency via velocity space engineering. Nuclear Fusion, 0, , .	3.5	1