

Craig Petty

List of Publications by Year in descending order

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205
papers

6,616
citations

46918

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68
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206
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206
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.	1.6	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.	1.6	3
3	Doubling off-axis electron cyclotron current drive efficiency via velocity space engineering. Nuclear Fusion, 2022, 62, 054001.	1.6	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.	1.6	4
5	Follow the power “pathways” to steady-state tokamak reactors. Nuclear Fusion, 2021, 61, 036028.	1.6	2
6	Resolving ECRH deposition broadening due to edge turbulence in DIII-D. Physics of Plasmas, 2021, 28, .	0.7	11
7	Examination of stiff ion temperature gradient mode physics in simulations of DIII-D H-mode transport. Nuclear Fusion, 2021, 61, 066033.	1.6	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.	1.6	20
9	The high-power helicon program at DIII-D: gearing up for first experiments. Nuclear Fusion, 2021, 61, 116034.	1.6	12
10	Grassy ELM regime at low pedestal collisionality in high-power tokamak plasma. Nuclear Fusion, 2021, 61, 016032.	1.6	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.	1.6	0
12	Collisionality driven turbulent particle transport changes in DIII-D H-mode plasmas. Nuclear Fusion, 2020, 60, 066019.	1.6	16
13	Expanding the parameter space of the wide-pedestal QH-mode towards ITER conditions. Nuclear Fusion, 2020, 60, 092006.	1.6	10
14	Cause and impact of low-frequency chirping modes in DIII-D hybrid discharges. Nuclear Fusion, 2020, 60, 112009.	1.6	10
15	High performance double-null plasmas under radiating divertor and mantle scenarios on DIII-D. Nuclear Fusion, 2019, 59, 086053.	1.6	8
16	DIII-D research towards establishing the scientific basis for future fusion reactors. Nuclear Fusion, 2019, 59, 112002.	1.6	23
17	$L \rightarrow H$ transition trigger physics in ITER-similar plasmas with applied $n = 3$ magnetic perturbations. Nuclear Fusion, 2019, 59, 126010.	1.6	20
18	Top Launch for Higher Off-axis Electron Cyclotron Current Drive Efficiency. EPJ Web of Conferences, 2019, 203, 01004.	0.1	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.	2.9	24
20	Alfvén eigenmodes and fast ion transport in negative triangularity DIII-D plasmas. <i>Nuclear Fusion</i> , 2019, 59, 086028.	1.6	17
21	H-mode grade confinement in L-mode edge plasmas at negative triangularity on DIII-D. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	38
22	High-performance double-null plasmas under radiating mantle scenarios on DIII-D. <i>Nuclear Materials and Energy</i> , 2019, 19, 267-272.	0.6	6
23	Achievement of Reactor-Relevant Performance in Negative Triangularity Shape in the DIII-D Tokamak. <i>Physical Review Letters</i> , 2019, 122, 115001.	2.9	86
24	Dynamic neutral beam current and voltage control to improve beam efficacy in tokamaks. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	17
25	Hybrid simulations of fishbone instabilities and Alfvén eigenmodes in DIII-D tokamak. <i>Physics of Plasmas</i> , 2018, 25, 122504.	0.7	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.	1.6	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.	1.6	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, .	0.7	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.	0.7	17
30	Fast-ion transport by Alfvén eigenmodes above a critical gradient threshold. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	37
31	Predicting rotation for ITER via studies of intrinsic torque and momentum transport in DIII-D. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	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.	1.6	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.	1.6	25
34	Experimental Measurement of ECH Deposition Broadening: Beyond Anomalous Transport. <i>EPJ Web of Conferences</i> , 2017, 147, 03001.	0.1	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.	0.7	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, .	0.7	20

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37	Interpretation of fast-ion signals during beam modulation experiments. Nuclear Fusion, 2016, 56, 112011.	1.6	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.	0.9	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, .	0.7	59
40	Observation of Critical-Gradient Behavior in Alfvén-Eigenmode-Induced Fast-Ion Transport. Physical Review Letters, 2016, 116, 095001.	2.9	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.	1.6	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.	1.6	83
43	Impact of central ECCD on steady-state hybrid scenario in DIII-D. AIP Conference Proceedings, 2015, , .	0.3	2
44	Finding evidence for density fluctuation effects on electron cyclotron heating deposition profiles on DIII-D. AIP Conference Proceedings, 2015, , .	0.3	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.	0.7	24
46	Nonlinear gyrokinetic simulations of the I-mode high confinement regime and comparisons with	0.7	16
47	056113.	0.7	36
48	Using neutral beams as a light ion beam probe (invited). Review of Scientific Instruments, 2014, 85, 11E701.	0.6	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.	0.7	0
50	Prompt non-resonant neutral beam-ion loss induced by Alfvén eigenmodes in the DIII-D tokamak. Nuclear Fusion, 2013, 53, 123019.	1.6	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, .	0.7	21
52	Energetic ion transport by microturbulence is insignificant in tokamaks. Physics of Plasmas, 2013, 20, 056108.	0.7	35
53	Progress toward fully noninductive discharge operation in DIII-D using off-axis neutral beam injection. Physics of Plasmas, 2013, 20, 092504.	0.7	18
54	Multi-field characteristics and eigenmode spatial structure of geodesic acoustic modes in DIII-D L-mode plasmas. Physics of Plasmas, 2013, 20, .	0.7	42

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55	Enhanced Localized Energetic-Ion Losses Resulting from Single-Pass Interactions with Alfvén Eigenmodes. <i>Physical Review Letters</i> , 2013, 110, 065004.	2.9	24
56	Observation of a Critical Gradient Threshold for Electron Temperature Fluctuations in the DIII-D Tokamak. <i>Physical Review Letters</i> , 2013, 110, 045003.	2.9	43
57	Hybrid-like 2/1 flux-pumping and magnetic island evolution due to edge localized mode-neoclassical tearing mode coupling in DIII-D. <i>Physics of Plasmas</i> , 2012, 19, 022503.	0.7	9
58	Electron profile stiffness and critical gradient studies. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	47
59	Progress in GYRO validation studies of DIII-D H-mode plasmas. <i>Nuclear Fusion</i> , 2012, 52, 114007.	1.6	33
60	Advances in validating gyrokinetic turbulence models against L- and H-mode plasmas. <i>Physics of Plasmas</i> , 2011, 18, 056113.	0.7	69
61	Balancing current drive and heating in DIII-D high noninductive current fraction discharges through choice of the toroidal field. <i>Nuclear Fusion</i> , 2011, 51, 113007.	1.6	3
62	Magnetohydrodynamic interference with the edge pedestal motional Stark effect diagnostic on DIII-D. <i>Review of Scientific Instruments</i> , 2011, 82, 033515.	0.6	1
63	Multi-field/multi-scale turbulence response to electron cyclotron heating of DIII-D ohmic plasmas. <i>Physics of Plasmas</i> , 2011, 18, 082504.	0.7	8
64	Effect of Particle Transport on the Measured Electron Cyclotron Current Drive Profile at High Relative Power Density. <i>Fusion Science and Technology</i> , 2010, 57, 10-18.	0.6	5
65	Trapped gyro-Landau-fluid transport modeling of DIII-D hybrid discharges. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	23
66	Measurements of the cross-phase angle between density and electron temperature fluctuations and comparison with gyrokinetic simulations. <i>Physics of Plasmas</i> , 2010, 17, 056103.	0.7	77
67	Probing plasma turbulence by modulating the electron temperature gradient. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	32
68	Mechanisms for generating toroidal rotation in tokamaks without external momentum input. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	74
69	Validation of on- and off-axis neutral beam current drive against experiment in DIII-D. <i>Physics of Plasmas</i> , 2009, 16, 092508.	0.7	23
70	Magnetic-Flux Pumping in High-Performance, Stationary Plasmas with Tearing Modes. <i>Physical Review Letters</i> , 2009, 102, 045005.	2.9	71
71	Dependence of the L- to H-mode power threshold on toroidal rotation and the link to edge turbulence dynamics. <i>Nuclear Fusion</i> , 2009, 49, 115016.	1.6	70
72	Beam-ion confinement for different injection geometries. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 125001.	0.9	31

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73	Evidence for Fast-Ion Transport by Microturbulence. <i>Physical Review Letters</i> , 2009, 103, 175001.	2.9	63
74	Reversed shear Alfvén eigenmode stabilization by localized electron cyclotron heating. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 035009.	0.9	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.	0.9	66
76	Sizing up plasmas using dimensionless parameters. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	71
77	Rocket Propulsion Through Multiply-Charged Ions From a Mirror Plasma. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0
78	Electron Cyclotron Current Drive at High Electron Temperature on DIII-D. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	1
79	Modeling of Time-dependent Radial Transport of Electron Distribution Perturbations Caused by ECCD in DIII-D. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	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.	1.6	63
81	Evidence for anomalous effects on the current evolution in the tokamak hybrid operating scenarios. <i>Nuclear Fusion</i> , 2007, 47, 825-832.	1.6	14
82	Experimental tests of paleoclassical transport. <i>Nuclear Fusion</i> , 2007, 47, 1449-1457.	1.6	7
83	Response of multiscale turbulence to electron cyclotron heating in the DIII-D tokamak. <i>Physics of Plasmas</i> , 2007, 14, 056117.	0.7	29
84	Sawtooth oscillations in shaped plasmas. <i>Physics of Plasmas</i> , 2007, 14, 055701.	0.7	21
85	Momentum confinement at low torque. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B313-B324.	0.9	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.	0.9	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.	1.6	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.	0.7	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.	0.9	13
90	Progress toward fully noninductive, high beta conditions in DIII-D. <i>Physics of Plasmas</i> , 2006, 13, 056106.	0.7	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.	0.9	29
92	Feedback control of the safety factor profile evolution during formation of an advanced tokamak discharge. Nuclear Fusion, 2006, 46, L13-L17.	1.6	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.	1.6	8
94	Control of plasma profiles in DIII-D discharges. Plasma Physics and Controlled Fusion, 2006, 48, A45-A53.	0.9	14
95	Absorption of fast waves at moderate to high ion cyclotron harmonics on DIII-D. Nuclear Fusion, 2006, 46, S416-S424.	1.6	21
96	The role of aspect ratio and beta in H-mode confinement scalings. Plasma Physics and Controlled Fusion, 2006, 48, A429-A438.	0.9	15
97	Core barrier formation near integer q surfaces in DIII-D. Physics of Plasmas, 2006, 13, 082502.	0.7	73
98	Active control for stabilization of neoclassical tearing modes. Physics of Plasmas, 2006, 13, 056113.	0.7	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.	0.7	51
100	Electron energy transport inferences from modulated electron cyclotron heating in DIII-D. Physics of Plasmas, 2006, 13, 012311.	0.7	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.	0.3	6
102	Hybrid Scenario Development in DIII-D. Fusion Science and Technology, 2005, 48, 1199-1211.	0.6	5
103	Electron Cyclotron Heating on DIII-D. Fusion Science and Technology, 2005, 48, 1141-1148.	0.6	8
104	Current Profile Measurement on the DIII-D Tokamak. Fusion Science and Technology, 2005, 48, 852-863.	0.6	12
105	Dimensionless Parameter Scaling of Transport in DIII-D. Fusion Science and Technology, 2005, 48, 978-987.	0.6	8
106	Radio-Frequency Current Drive in DIII-D. Fusion Science and Technology, 2005, 48, 1159-1169.	0.6	2
107	Higher stable beta by use of pre-emptive electron cyclotron current drive on DIII-D. Nuclear Fusion, 2005, 45, L37-L41.	1.6	28
108	Modulated Current Drive Measurements. AIP Conference Proceedings, 2005, , .	0.3	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.	1.6	49
110	Direct measurement of neoclassical currents using motional Stark effect polarimetry. Plasma Physics and Controlled Fusion, 2005, 47, 1077-1100.	0.9	20
111	Search for a critical electron temperature gradient in DIII-D L-mode discharges. Nuclear Fusion, 2005, 45, 494-501.	1.6	31
112	On the parasitic absorption in FWCD experiments in JET ITB plasmas. Nuclear Fusion, 2005, 45, 706-720.	1.6	13
113	Development, physics basis and performance projections for hybrid scenario operation in ITER on DIII-D. Nuclear Fusion, 2005, 45, 407-416.	1.6	85
114	Stationary, high bootstrap fraction plasmas in DIII-D without inductive current control. Nuclear Fusion, 2005, 45, 417-424.	1.6	53
115	Optimization of DIII-D advanced tokamak discharges with respect to the \hat{I}^2 limit. Physics of Plasmas, 2005, 12, 056126.	0.7	55
116	100% noninductive operation at high beta using off-axis ECCD in DIII-D. Nuclear Fusion, 2005, 45, 1419-1426.	1.6	80
117	Advanced tokamak research in DIII-D. Plasma Physics and Controlled Fusion, 2004, 46, B213-B233.	0.9	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.	0.9	12
119	Heating and current drive by electron cyclotron waves in JT-60U. Nuclear Fusion, 2004, 44, 699-708.	1.6	38
120	Comparison of $m=2, n=1$ neo-classical tearing mode limits in JET and DIII-D. Nuclear Fusion, 2004, 44, 788-794.	1.6	36
121	Beta scaling of transport on the DIII-D Tokamak: Is transport electrostatic or electromagnetic?. Physics of Plasmas, 2004, 11, 2514-2522.	0.7	63
122	Safety factor scaling of energy transport in L-mode plasmas on the DIII-D tokamak. Physics of Plasmas, 2004, 11, 1011-1018.	0.7	19
123	Alpha-Channelling Simulation Experiment in the DIII-D Tokamak. Physical Review Letters, 2004, 93, 085002.	2.9	21
124	Progress in long scale length laser-plasma interactions. Nuclear Fusion, 2004, 44, S185-S190.	1.6	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.	1.6	146
126	The beta scaling of energy confinement in ELMy H-modes in JET. Plasma Physics and Controlled Fusion, 2004, 46, A215-A225.	0.9	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.	0.7	19
128	Effects of electron trapping and transport on electron cyclotron current drive on DIII-D. Nuclear Fusion, 2003, 43, 700-707.	1.6	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.	2.9	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.	0.7	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.	0.7	8
132	Advanced tokamak profile evolution in DIII-D. Physics of Plasmas, 2003, 10, 1691-1697.	0.7	24
133	Discharge improvement through control of neoclassical tearing modes by localized ECCD in DIII-D. Nuclear Fusion, 2003, 43, 1128-1134.	1.6	66
134	Complete Suppression of the $m=2/n=1$ NTM Using ECCD on DIII-D. AIP Conference Proceedings, 2003, , .	0.3	1
135	Integrated, advanced tokamak operation on DIII-D. Nuclear Fusion, 2003, 43, 634-646.	1.6	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.	0.7	29
137	Control of neoclassical tearing modes in DIII-D. Physics of Plasmas, 2002, 9, 2051-2060.	0.7	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.	0.7	10
139	Detailed measurements of the electron cyclotron current drive efficiency on DIII-D. Nuclear Fusion, 2002, 42, 1366-1375.	1.6	66
140	Analysis of current drive using MSE polarimetry without equilibrium reconstruction. Nuclear Fusion, 2002, 42, 1124-1133.	1.6	29
141	Experimental validation of similarity in high-temperature plasmas. Nuclear Fusion, 2002, 42, 1193-1196.	1.6	17
142	Fast wave current drive at high ion cyclotron harmonics on DIII-D. Plasma Physics and Controlled Fusion, 2001, 43, 1747-1758.	0.9	25
143	Electron cyclotron wave experiments on DIII-D. AIP Conference Proceedings, 2001, , .	0.3	5
144	Localized measurements of electron cyclotron current drive using MSE spectroscopy on the DIII-D tokamak. Nuclear Fusion, 2001, 41, 551-566.	1.6	25

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145	Non-dimensional scaling of turbulence characteristics and turbulent diffusivity. Nuclear Fusion, 2001, 41, 1235-1242.	1.6	100
146	Physics of confinement improvement of plasmas with impurity injection in DIII-D. Nuclear Fusion, 2001, 41, 317-323.	1.6	36
147	The combined effect of EPMs and TAEs on energetic ion confinement and sawtooth stabilization. Nuclear Fusion, 2001, 41, 513-518.	1.6	25
148	Long pulse high performance discharges in the DIII-D tokamak. Nuclear Fusion, 2001, 41, 1585-1599.	1.6	68
149	Radiofrequency experiments in JFT-2M: Demonstration of innovative applications of a travelling wave antenna. Nuclear Fusion, 2001, 41, 1767-1775.	1.6	34
150	Quiescent double barrier high-confinement mode plasmas in the DIII-D tokamak. Physics of Plasmas, 2001, 8, 2153-2162.	0.7	190
151	Progress toward long-pulse high-performance Advanced Tokamak discharges on the DIII-D tokamak. Physics of Plasmas, 2001, 8, 2208-2216.	0.7	50
152	Thermal diffusivities in DIII-D show evidence of critical gradients. Physics of Plasmas, 2001, 8, 4128-4137.	0.7	40
153	DIII-D advanced tokamak research overview. Nuclear Fusion, 2000, 40, 1137-1144.	1.6	15
154	Dimensionless \hat{A}^* scaling of particle transport in DIII-D L mode discharges. Nuclear Fusion, 2000, 40, 799-806.	1.6	9
155	Particle transport phenomena in the DIII-D tokamak. Nuclear Fusion, 2000, 40, 1003-1016.	1.6	58
156	Understanding and control of transport in Advanced Tokamak regimes in DIII-D. Physics of Plasmas, 2000, 7, 1959-1967.	0.7	49
157	Fast wave current drive in H mode plasmas on the DIII-D tokamak. Nuclear Fusion, 1999, 39, 1421-1432.	1.6	34
158	Correlation analysis of 110 GHz ECH modulation experiments on the DIII-D tokamak. Plasma Physics and Controlled Fusion, 1999, 41, 931-940.	0.9	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.	1.6	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.	0.9	18
161	Dependence of Heat and Particle Transport on the Ratio of the Ion and Electron Temperatures. Physical Review Letters, 1999, 83, 3661-3664.	2.9	73
162	Scaling of heat transport with collisionality. Physics of Plasmas, 1999, 6, 909-921.	0.7	39

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163	Electron heat transport in improved confinement discharges in DIII-D. Physics of Plasmas, 1999, 6, 1978-1984.	0.7	100
164	Generation of Localized Noninductive Current by Electron Cyclotron Waves on the DIII-D Tokamak. Physical Review Letters, 1999, 83, 4550-4553.	2.9	81
165	High harmonic ion cyclotron heating in DIII-D: Beam ion absorption and sawtooth stabilization. Nuclear Fusion, 1999, 39, 1369-1389.	1.6	51
166	Recent progress in ICRF physics. Plasma Physics and Controlled Fusion, 1998, 40, A35-A52.	0.9	33
167	Scaling of heat transport with beta in the DIII-D tokamak. Nuclear Fusion, 1998, 38, 1183-1198.	1.6	45
168	Experimental constraints on transport from dimensionless parameter scaling studies. Physics of Plasmas, 1998, 5, 1695-1702.	0.7	36
169	Projections of gyroradius scaling experiments to an ignition tokamak. Nuclear Fusion, 1997, 37, 1-6.	1.6	23
170	Gyroradius Scaling of Helium Transport. Physical Review Letters, 1997, 79, 419-422.	2.9	20
171	Measurements of ICRF loading on DIII-D with and without a Faraday shield. Nuclear Fusion, 1997, 37, 211-224.	1.6	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.	2.9	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.	0.7	9
178	Energy Transport in Tokamak Plasmas with Central Current Density Control Using Fast Waves. Physical Review Letters, 1996, 77, 3141-3144.	2.9	36
179	Gyroradius Scaling of Electron and Ion Transport. Physical Review Letters, 1995, 74, 1763-1766.	2.9	75
180	Two-fluid analysis of dimensionally similar discharges. Physica Scripta, 1995, 52, 444-448.	1.2	3

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