

Craig Petty

List of Publications by Year in descending order

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citations

46918

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206
all docs

206
docs citations

206
times ranked

2212
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of neoclassical tearing modes in DIII-D. Physics of Plasmas, 2002, 9, 2051-2060.	0.7	210
2	Quiescent double barrier high-confinement mode plasmas in the DIII-D tokamak. Physics of Plasmas, 2001, 8, 2153-2162.	0.7	190
3	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
4	Inward energy transport in tokamak plasmas. Physical Review Letters, 1992, 68, 52-55.	2.9	135
5	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
6	Nondimensional transport scaling in DIII-D: Bohm versus gyro-Bohm resolved. Physics of Plasmas, 1995, 2, 2342-2348.	0.7	102
7	Electron heat transport in improved confinement discharges in DIII-D. Physics of Plasmas, 1999, 6, 1978-1984.	0.7	100
8	Non-dimensional scaling of turbulence characteristics and turbulent diffusivity. Nuclear Fusion, 2001, 41, 1235-1242.	1.6	100
9	Achievement of Reactor-Relevant Performance in Negative Triangularity Shape in the DIII-D Tokamak. Physical Review Letters, 2019, 122, 115001.	2.9	86
10	Development, physics basis and performance projections for hybrid scenario operation in ITER on DIII-D. Nuclear Fusion, 2005, 45, 407-416.	1.6	85
11	Momentum confinement at low torque. Plasma Physics and Controlled Fusion, 2007, 49, B313-B324.	0.9	84
12	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
13	Investigation of the formation of a fully pressure-driven tokamak*. Physics of Plasmas, 1994, 1, 1568-1575.	0.7	81
14	Generation of Localized Noninductive Current by Electron Cyclotron Waves on the DIII-D Tokamak. Physical Review Letters, 1999, 83, 4550-4553.	2.9	81
15	100% noninductive operation at high beta using off-axis ECCD in DIII-D. Nuclear Fusion, 2005, 45, 1419-1426.	1.6	80
16	Observation of Critical-Gradient Behavior in Alfvén-Eigenmode-Induced Fast-Ion Transport. Physical Review Letters, 2016, 116, 095001.	2.9	78
17	Measurements of the cross-phase angle between density and electron temperature fluctuations and comparison with gyrokinetic simulations. Physics of Plasmas, 2010, 17, 056103.	0.7	77
18	Gyroradius Scaling of Electron and Ion Transport. Physical Review Letters, 1995, 74, 1763-1766.	2.9	75

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19	Mechanisms for generating toroidal rotation in tokamaks without external momentum input. Physics of Plasmas, 2010, 17, .	0.7	74
20	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
21	Core barrier formation near integer q surfaces in DIII-D. Physics of Plasmas, 2006, 13, 082502.	0.7	73
22	Sizing up plasmas using dimensionless parameters. Physics of Plasmas, 2008, 15, .	0.7	71
23	Magnetic-Flux Pumping in High-Performance, Stationary Plasmas with Tearing Modes. Physical Review Letters, 2009, 102, 045005.	2.9	71
24	Inward transport of energy during off-axis heating on the DIII-D tokamak. Nuclear Fusion, 1994, 34, 121-130.	1.6	70
25	Dependence of the L- to H-mode power threshold on toroidal rotation and the link to edge turbulence dynamics. Nuclear Fusion, 2009, 49, 115016.	1.6	70
26	Advances in validating gyrokinetic turbulence models against L- and H-mode plasmas. Physics of Plasmas, 2011, 18, 056113.	0.7	69
27	Long pulse high performance discharges in the DIII-D tokamak. Nuclear Fusion, 2001, 41, 1585-1599.	1.6	68
28	The beta scaling of energy confinement in ELMy H-modes in JET. Plasma Physics and Controlled Fusion, 2004, 46, A215-A225.	0.9	67
29	Detailed measurements of the electron cyclotron current drive efficiency on DIII-D. Nuclear Fusion, 2002, 42, 1366-1375.	1.6	66
30	Discharge improvement through control of neoclassical tearing modes by localized ECCD in DIII-D. Nuclear Fusion, 2003, 43, 1128-1134.	1.6	66
31	Application of dimensionless parameter scaling techniques to the design and interpretation of magnetic fusion experiments. Plasma Physics and Controlled Fusion, 2008, 50, 043001.	0.9	66
32	Beta scaling of transport on the DIII-D Tokamak: Is transport electrostatic or electromagnetic?. Physics of Plasmas, 2004, 11, 2514-2522.	0.7	63
33	Stabilization and prevention of the 2/1 neoclassical tearing mode for improved performance in DIII-D. Nuclear Fusion, 2007, 47, 371-377.	1.6	63
34	Evidence for Fast-Ion Transport by Microturbulence. Physical Review Letters, 2009, 103, 175001.	2.9	63
35	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
36	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

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37	Particle transport phenomena in the DIII-D tokamak. Nuclear Fusion, 2000, 40, 1003-1016.	1.6	58
38	Active control for stabilization of neoclassical tearing modes. Physics of Plasmas, 2006, 13, 056113.	0.7	58
39	Progress toward fully noninductive, high beta conditions in DIII-D. Physics of Plasmas, 2006, 13, 056106.	0.7	57
40	Optimization of DIII-D advanced tokamak discharges with respect to the \hat{I}^2 limit. Physics of Plasmas, 2005, 12, 056126.	0.7	55
41	Recent progress on the development and analysis of the ITPA global H-mode confinement database. Nuclear Fusion, 2007, 47, 147-174.	1.6	55
42	Stationary, high bootstrap fraction plasmas in DIII-D without inductive current control. Nuclear Fusion, 2005, 45, 417-424.	1.6	53
43	High harmonic ion cyclotron heating in DIII-D: Beam ion absorption and sawtooth stabilization. Nuclear Fusion, 1999, 39, 1369-1389.	1.6	51
44	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
45	Progress toward long-pulse high-performance Advanced Tokamak discharges on the DIII-D tokamak. Physics of Plasmas, 2001, 8, 2208-2216.	0.7	50
46	Understanding and control of transport in Advanced Tokamak regimes in DIII-D. Physics of Plasmas, 2000, 7, 1959-1967.	0.7	49
47	Scaling of the energy confinement time with \hat{I}^2 and collisionality approaching ITER conditions. Nuclear Fusion, 2005, 45, 1078-1084.	1.6	49
48	Feedback control of the safety factor profile evolution during formation of an advanced tokamak discharge. Nuclear Fusion, 2006, 46, L13-L17.	1.6	49
49	Integrated, advanced tokamak operation on DIII-D. Nuclear Fusion, 2003, 43, 634-646.	1.6	48
50	Reversed shear Alfvén eigenmode stabilization by localized electron cyclotron heating. Plasma Physics and Controlled Fusion, 2008, 50, 035009.	0.9	47
51	Electron profile stiffness and critical gradient studies. Physics of Plasmas, 2012, 19, .	0.7	47
52	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
53	Multi-field/-scale interactions of turbulence with neoclassical tearing mode magnetic islands in the DIII-D tokamak. Physics of Plasmas, 2017, 24, .	0.7	46
54	Scaling of heat transport with beta in the DIII-D tokamak. Nuclear Fusion, 1998, 38, 1183-1198.	1.6	45

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55	Fast wave and electron cyclotron current drive in the DIII-D tokamak. Nuclear Fusion, 1995, 35, 773-786.	1.6	44
56	Effects of electron trapping and transport on electron cyclotron current drive on DIII-D. Nuclear Fusion, 2003, 43, 700-707.	1.6	43
57	Observation of a Critical Gradient Threshold for Electron Temperature Fluctuations in the DIII-D Tokamak. Physical Review Letters, 2013, 110, 045003.	2.9	43
58	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
59	Thermal diffusivities in DIII-D show evidence of critical gradients. Physics of Plasmas, 2001, 8, 4128-4137.	0.7	40
60	Scaling of heat transport with collisionality. Physics of Plasmas, 1999, 6, 909-921.	0.7	39
61	Heating and current drive by electron cyclotron waves in JT-60U. Nuclear Fusion, 2004, 44, 699-708.	1.6	38
62	H-mode grade confinement in L-mode edge plasmas at negative triangularity on DIII-D. Physics of Plasmas, 2019, 26, .	0.7	38
63	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
64	Electron energy transport inferences from modulated electron cyclotron heating in DIII-D. Physics of Plasmas, 2006, 13, 012311.	0.7	37
65	Fast-ion transport by Alfvén eigenmodes above a critical gradient threshold. Physics of Plasmas, 2017, 24, .	0.7	37
66	Absorption of fast waves by electrons on the DIII-D tokamak. Physical Review Letters, 1992, 69, 289-292.	2.9	36
67	Energy Transport in Tokamak Plasmas with Central Current Density Control Using Fast Waves. Physical Review Letters, 1996, 77, 3141-3144.	2.9	36
68	Experimental constraints on transport from dimensionless parameter scaling studies. Physics of Plasmas, 1998, 5, 1695-1702.	0.7	36
69	Physics of confinement improvement of plasmas with impurity injection in DIII-D. Nuclear Fusion, 2001, 41, 317-323.	1.6	36
70	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
71	056113.	0.7	36
72	Energetic ion transport by microturbulence is insignificant in tokamaks. Physics of Plasmas, 2013, 20, 056108.	0.7	35

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73	Grassy-ELM regime with edge resonant magnetic perturbations in fully noninductive plasmas in the DIII-D tokamak. Nuclear Fusion, 2018, 58, 106010.	1.6	35
74	Fast wave current drive in H mode plasmas on the DIII-D tokamak. Nuclear Fusion, 1999, 39, 1421-1432.	1.6	34
75	Radiofrequency experiments in JFT-2M: Demonstration of innovative applications of a travelling wave antenna. Nuclear Fusion, 2001, 41, 1767-1775.	1.6	34
76	Predicting rotation for ITER via studies of intrinsic torque and momentum transport in DIII-D. Physics of Plasmas, 2017, 24, .	0.7	34
77	Recent progress in ICRF physics. Plasma Physics and Controlled Fusion, 1998, 40, A35-A52.	0.9	33
78	Progress in GYRO validation studies of DIII-D H-mode plasmas. Nuclear Fusion, 2012, 52, 114007.	1.6	33
79	Role of density gradient driven trapped electron mode turbulence in the H-mode inner core with electron heating. Physics of Plasmas, 2016, 23, 056112.	0.7	33
80	Probing plasma turbulence by modulating the electron temperature gradient. Physics of Plasmas, 2010, 17, .	0.7	32
81	Search for a critical electron temperature gradient in DIII-D L-mode discharges. Nuclear Fusion, 2005, 45, 494-501.	1.6	31
82	Beam-ion confinement for different injection geometries. Plasma Physics and Controlled Fusion, 2009, 51, 125001.	0.9	31
83	Advanced tokamak research in DIII-D. Plasma Physics and Controlled Fusion, 2004, 46, B213-B233.	0.9	30
84	Broad wavenumber turbulence and transport during Ohmic and electron cyclotron heating in the DIII-D tokamak. Plasma Physics and Controlled Fusion, 2007, 49, B183-B193.	0.9	30
85	Effect of rotation on H-mode transport in DIII-D via changes in the $E \times B$ velocity shear. Physics of Plasmas, 2002, 9, 128-136.	0.7	29
86	Analysis of current drive using MSE polarimetry without equilibrium reconstruction. Nuclear Fusion, 2002, 42, 1124-1133.	1.6	29
87	Progress in long scale length laser-plasma interactions. Nuclear Fusion, 2004, 44, S185-S190.	1.6	29
88	A comparison of sawtooth oscillations in bean and oval shaped plasmas. Plasma Physics and Controlled Fusion, 2006, 48, L65-L72.	0.9	29
89	Response of multiscale turbulence to electron cyclotron heating in the DIII-D tokamak. Physics of Plasmas, 2007, 14, 056117.	0.7	29
90	Higher stable beta by use of pre-emptive electron cyclotron current drive on DIII-D. Nuclear Fusion, 2005, 45, L37-L41.	1.6	28

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91	Observation of parametric decay correlated with edge heating using an ion Bernstein wave antenna on DIII-D. Nuclear Fusion, 1993, 33, 777-793.	1.6	27
92	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
93	Fast wave current drive at high ion cyclotron harmonics on DIII-D. Plasma Physics and Controlled Fusion, 2001, 43, 1747-1758.	0.9	25
94	Localized measurements of electron cyclotron current drive using MSE spectroscopy on the DIII-D tokamak. Nuclear Fusion, 2001, 41, 551-566.	1.6	25
95	The combined effect of EPMs and TAEs on energetic ion confinement and sawtooth stabilization. Nuclear Fusion, 2001, 41, 513-518.	1.6	25
96	Advances in the steady-state hybrid regime in DIII-D—a fully non-inductive, ELM-suppressed scenario for ITER. Nuclear Fusion, 2017, 57, 116057.	1.6	25
97	Turbulence and sheared flow structures behind the isotopic dependence of the L-H power threshold on DIII-D. Nuclear Fusion, 2017, 57, 126015.	1.6	25
98	Experiments on helicons in DIII-D—investigation of the physics of a reactor-relevant non-inductive current drive technology. Nuclear Fusion, 2018, 58, 106007.	1.6	25
99	Advanced tokamak profile evolution in DIII-D. Physics of Plasmas, 2003, 10, 1691-1697.	0.7	24
100	Projected profile similarity in gyrokinetic simulations of Bohm and gyro-Bohm scaled DIII-D L and H modes. Physics of Plasmas, 2006, 13, 072304.	0.7	24
101	Enhanced Localized Energetic-Ion Losses Resulting from Single-Pass Interactions with Alfvén Eigenmodes. Physical Review Letters, 2013, 110, 065004.	2.9	24
102	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
103	Formation of a High Pressure Staircase Pedestal with Suppressed Edge Localized Modes in the DIII-D Tokamak. Physical Review Letters, 2019, 123, 115001.	2.9	24
104	Projections of gyroradius scaling experiments to an ignition tokamak. Nuclear Fusion, 1997, 37, 1-6.	1.6	23
105	Validation of on- and off-axis neutral beam current drive against experiment in DIII-D. Physics of Plasmas, 2009, 16, 092508.	0.7	23
106	Trapped gyro-Landau-fluid transport modeling of DIII-D hybrid discharges. Physics of Plasmas, 2010, 17, .	0.7	23
107	DIII-D research towards establishing the scientific basis for future fusion reactors. Nuclear Fusion, 2019, 59, 112002.	1.6	23
108	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.	0.9	22

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109	Alpha-Channelling Simulation Experiment in the DIII-D Tokamak. <i>Physical Review Letters</i> , 2004, 93, 085002.	2.9	21
110	Absorption of fast waves at moderate to high ion cyclotron harmonics on DIII-D. <i>Nuclear Fusion</i> , 2006, 46, S416-S424.	1.6	21
111	Sawtooth oscillations in shaped plasmas. <i>Physics of Plasmas</i> , 2007, 14, 055701.	0.7	21
112	Experimental characterization of multiscale and multifield turbulence as a critical gradient threshold is surpassed in the DIII-D tokamak. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	21
113	Ion Bernstein wave antenna loading measurements on the DIII-D tokamak. <i>Nuclear Fusion</i> , 1993, 33, 627-642.	1.6	20
114	Gyroradius Scaling of Helium Transport. <i>Physical Review Letters</i> , 1997, 79, 419-422.	2.9	20
115	Direct measurement of neoclassical currents using motional Stark effect polarimetry. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, 1077-1100.	0.9	20
116	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
117	Hybrid simulations of fishbone instabilities and Alfvén eigenmodes in DIII-D tokamak. <i>Physics of Plasmas</i> , 2018, 25, 122504.	0.7	20
118	$L \rightarrow H$ transition trigger physics in ITER-similar plasmas with applied $n=3$ magnetic perturbations. <i>Nuclear Fusion</i> , 2019, 59, 126010.	1.6	20
119	Diverted negative triangularity plasmas on DIII-D: the benefit of high confinement without the liability of an edge pedestal. <i>Nuclear Fusion</i> , 2021, 61, 116010.	1.6	20
120	Measurements of ICRF loading on DIII-D with and without a Faraday shield. <i>Nuclear Fusion</i> , 1997, 37, 211-224.	1.6	19
121	Safety factor scaling of energy transport in L-mode plasmas on the DIII-D tokamak. <i>Physics of Plasmas</i> , 2004, 11, 1011-1018.	0.7	19
122	High performance advanced tokamak regimes in DIII-D for next-step experiments. <i>Physics of Plasmas</i> , 2004, 11, 2616-2626.	0.7	19
123	Modification of the current profile in DIII-D by off-axis electron cyclotron current drive. <i>Plasma Physics and Controlled Fusion</i> , 1999, 41, B119-B127.	0.9	18
124	Progress toward fully noninductive discharge operation in DIII-D using off-axis neutral beam injection. <i>Physics of Plasmas</i> , 2013, 20, 092504.	0.7	18
125	Experimental validation of similarity in high-temperature plasmas. <i>Nuclear Fusion</i> , 2002, 42, 1193-1196.	1.6	17
126	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

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127	Dynamic neutral beam current and voltage control to improve beam efficacy in tokamaks. Physics of Plasmas, 2018, 25, .	0.7	17
128	Alfvén eigenmodes and fast ion transport in negative triangularity DIII-D plasmas. Nuclear Fusion, 2019, 59, 086028.	1.6	17
129	Prompt non-resonant neutral beam-ion loss induced by Alfvén eigenmodes in the DIII-D tokamak. Nuclear Fusion, 2013, 53, 123019.	1.6	16
130	Nonlinear gyrokinetic simulations of the I-mode high confinement regime and comparisons with	0.7	16
131	Collisionality driven turbulent particle transport changes in DIII-D H-mode plasmas. Nuclear Fusion, 2020, 60, 066019.	1.6	16
132	DIII-D advanced tokamak research overview. Nuclear Fusion, 2000, 40, 1137-1144.	1.6	15
133	The role of aspect ratio and beta in H-mode confinement scalings. Plasma Physics and Controlled Fusion, 2006, 48, A429-A438.	0.9	15
134	Control of plasma profiles in DIII-D discharges. Plasma Physics and Controlled Fusion, 2006, 48, A45-A53.	0.9	14
135	Evidence for anomalous effects on the current evolution in the tokamak hybrid operating scenarios. Nuclear Fusion, 2007, 47, 825-832.	1.6	14
136	On the parasitic absorption in FWCD experiments in JET ITB plasmas. Nuclear Fusion, 2005, 45, 706-720.	1.6	13
137	Progress on advanced tokamak and steady-state scenario development on DIII-D and NSTX. Plasma Physics and Controlled Fusion, 2006, 48, B39-B52.	0.9	13
138	Using neutral beams as a light ion beam probe (invited). Review of Scientific Instruments, 2014, 85, 11E701.	0.6	13
139	Experimental Measurement of ECH Deposition Broadening: Beyond Anomalous Transport. EPJ Web of Conferences, 2017, 147, 03001.	0.1	13
140	Grassy ELM regime at low pedestal collisionality in high-power tokamak plasma. Nuclear Fusion, 2021, 61, 016032.	1.6	13
141	Similarity in H-mode energy confinement: β^* rather than n limit should be kept fixed. Plasma Physics and Controlled Fusion, 2004, 46, A207-A213.	0.9	12
142	Current Profile Measurement on the DIII-D Tokamak. Fusion Science and Technology, 2005, 48, 852-863.	0.6	12
143	Examination of stiff ion temperature gradient mode physics in simulations of DIII-D H-mode transport. Nuclear Fusion, 2021, 61, 066033.	1.6	12
144	The high-power helicon program at DIII-D: gearing up for first experiments. Nuclear Fusion, 2021, 61, 116034.	1.6	12

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145	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
146	Resolving ECRH deposition broadening due to edge turbulence in DIII-D. Physics of Plasmas, 2021, 28, .	0.7	11
147	DIII-D research advancing the physics basis for optimizing the tokamak approach to fusion energy. Nuclear Fusion, 2022, 62, 042024.	1.6	11
148	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
149	Expanding the parameter space of the wide-pedestal QH-mode towards ITER conditions. Nuclear Fusion, 2020, 60, 092006.	1.6	10
150	Cause and impact of low-frequency chirping modes in DIII-D hybrid discharges. Nuclear Fusion, 2020, 60, 112009.	1.6	10
151	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.	1.6	9
152	Experimentally determined profiles of fast wave current drive in a tokamak. Physics of Plasmas, 1996, 3, 2846-2848.	0.7	9
153	Dimensionless \hat{A} *scaling of particle transport in DIII-D L mode discharges. Nuclear Fusion, 2000, 40, 799-806.	1.6	9
154	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.	0.7	9
155	Fast wave current drive in neutral beam heated plasmas on DIII-D. , 1997, , .		8
156	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
157	Electron Cyclotron Heating on DIII-D. Fusion Science and Technology, 2005, 48, 1141-1148.	0.6	8
158	Dimensionless Parameter Scaling of Transport in DIII-D. Fusion Science and Technology, 2005, 48, 978-987.	0.6	8
159	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
160	Multi-field/multi-scale turbulence response to electron cyclotron heating of DIII-D ohmic plasmas. Physics of Plasmas, 2011, 18, 082504.	0.7	8
161	High performance double-null plasmas under radiating divertor and mantle scenarios on DIII-D. Nuclear Fusion, 2019, 59, 086053.	1.6	8
162	Power compensators for phased operation of antenna arrays on JET and DIII-D. AIP Conference Proceedings, 1994, , .	0.3	7

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163	The ergodic limit of multipass absorption for fast wave current drive in tokamaks. <i>Physics of Plasmas</i> , 1994, 1, 3915-3927.	0.7	7
164	Experimental tests of paleoclassical transport. <i>Nuclear Fusion</i> , 2007, 47, 1449-1457.	1.6	7
165	Interpretation of fast-ion signals during beam modulation experiments. <i>Nuclear Fusion</i> , 2016, 56, 112011.	1.6	7
166	Top Launch for Higher Off-axis Electron Cyclotron Current Drive Efficiency. <i>EPJ Web of Conferences</i> , 2019, 203, 01004.	0.1	7
167	Tearing Mode Suppression as Part of a Comprehensive Real-Time Disruption Avoidance and Mitigation System. <i>Journal of Physics: Conference Series</i> , 2005, 25, 252-256.	0.3	6
168	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
169	Electron cyclotron wave experiments on DIII-D. <i>AIP Conference Proceedings</i> , 2001, , .	0.3	5
170	Hybrid Scenario Development in DIII-D. <i>Fusion Science and Technology</i> , 2005, 48, 1199-1211.	0.6	5
171	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
172	Fast Wave Current Drive Antenna Performance on DIII-D. <i>AIP Conference Proceedings</i> , 1992, , .	0.3	4
173	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. <i>Nuclear Fusion</i> , 2021, 61, 036036.	1.6	4
174	Doubling off-axis electron cyclotron current drive efficiency via velocity space engineering. <i>Nuclear Fusion</i> , 2022, 62, 054001.	1.6	4
175	ICRF Heating Experiments on DIII-D. <i>AIP Conference Proceedings</i> , 1992, , .	0.3	3
176	Direct Electron Heating by 60 MHz Fast Waves on DIII-D. <i>AIP Conference Proceedings</i> , 1992, , .	0.3	3
177	Modeling of Fast Wave Current Drive Experiments on DIII-D. <i>AIP Conference Proceedings</i> , 1992, , .	0.3	3
178	Two-fluid analysis of dimensionally similar discharges. <i>Physica Scripta</i> , 1995, 52, 444-448.	1.2	3
179	Fast wave antenna array feed circuits tolerant of time-varying loading for DIII-D. , 1997, , .		3
180	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

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181	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
182	Deconvolving the roles of E \times B shear and pedestal structure in the energy confinement quality of super H-mode experiments. Nuclear Fusion, 2022, 62, 056008.	1.6	3
183	Design and Performance of Fast Wave Current Drive Systems in the ICRF. AIP Conference Proceedings, 1992, , .	0.3	2
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