B A Carreras

List of Publications by Year
in descending order

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173 papers	8,219 citations	36303 51 h-index	53230 85 g-index
175 all docs	175 docs citations	175 times ranked	2802 citing authors

#	Article	IF	Citations
1	The impact of radial electric fields and plasma rotation on intermittence in TJ-II. Plasma Physics and Controlled Fusion, 2022, 64, 055006.	2.1	2
2	Causality, intermittence, and crossphase evolution during confinement transitions in the TJ-II stellarator. Physics of Plasmas, 2021, 28, 092302.	1.9	3
3	Intermittence and turbulence in fusion devices. Plasma Physics and Controlled Fusion, 2020, 62, 025011.	2.1	8
4	Identification and characterization of topological structures of turbulence in magnetic confined plasmas. Plasma Physics and Controlled Fusion, 2020, 62, 115013.	2.1	2
5	Applicability of transfer entropy for the calculation of effective diffusivity in heat transport. Physics of Plasmas, 2018, 25, 102304.	1.9	5
6	A possible mechanism for confinement power degradation in the TJ-II stellarator. Physics of Plasmas, 2018, 25, .	1.9	19
7	Causal impact of magnetic fluctuations in slow and fast Lâ€“H transitions at TJ-II. Physics of Plasmas, 2016, 23, 072305.	1.9	2
8	Effect of fast electrons on the stability of resistive interchange modes in the TJ-II stellarator. Physics of Plasmas, 2016, 23, 062319.	1.9	8
9	Correlations and non-local transport in a critical-gradient fluctuation model. Journal of Physics: Conference Series, 2016, 775, 012008.	0.4	0
10	The causal relation between turbulent particle flux and density gradient. Physics of Plasmas, 2016, 23, 072307.	1.9	9
11	Dynamical Coupling between Gradients and Transport in Fusion Plasmas. Physical Review Letters, 2012, 108, 065001.	7.8	11
12	Influence of Î² on the self-similarity properties of LHD edge fluctuations. Plasma Physics and Controlled Fusion, 2011, 53, 095010.	2.1	8
13	Longâ€Range Correlations During Plasma Transitions in the TJâ€II Stellarator. Contributions To Plasma Physics, 2010, 50, 507-513.	1.1	13
14	Tracer particle trapping times in pressure-gradient-driven turbulence in toroidal geometry and their connection to the dynamics of large-scale cycles. Plasma Physics and Controlled Fusion, 2010, 52, 105005.	2.1	2
15	Topological characterization of the transition from laminar regime to fully developed turbulence in the resistive pressure-gradient-driven turbulence model. Physical Review E, 2009, 80, 046410.	2.1	3
16	On the nature of radial transport across sheared zonal flows in electrostatic ion-temperature-gradient gyrokinetic tokamak plasma turbulence. Physics of Plasmas, 2009, 16, 055905.	1.9	17
17	Zonal flows and long-distance correlations during the formation of the edge shear layer in the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2009, 51, 065007.	2.1	10
18	Multi-scale physics mechanisms and spontaneous edge transport bifurcations in fusion plasmas. Europhysics Letters, 2009, 87, 55002.	2.0	41

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19	Emergence and decay rate of the edge plasma flow shear near a critical transition. Plasma Physics and Controlled Fusion, 2009, 51, 015003.	2.1	2
20	On the nature of transport in near-critical dissipative-trapped-electron-mode turbulence: Effect of a subdominant diffusive channel. Physics of Plasmas, 2008, 15, 112301.	1.9	16
21	Evidence of Long-Distance Correlation of Fluctuations during Edge Transitions to Improved-Confinement Regimes in the TJ-II Stellarator. Physical Review Letters, 2008, 100, 215003.	7.8	91
22	Topological characterization of flow structures in resistive pressure-gradient-driven turbulence. Physical Review E, 2008, 78, 066402.	2.1	3
23	Nature of Transport across Sheared Zonal Flows in Electrostatic Ion-Temperature-Gradient Gyrokinetic Plasma Turbulence. Physical Review Letters, 2008, 101, 205002.	7.8	45
24	Pseudochaotic poloidal transport in the laminar regime of the resistive ballooning instabilities. Physics of Plasmas, 2008, 15, 042302.	1.9	6
25	Characterization of Nondiffusive Transport in Plasma Turbulence via a Novel Lagrangian Method. Physical Review Letters, 2008, 101, 165001.	7.8	24
26	Continuous time random walks in periodic systems: fluid limit and fractional differential equations on the circle. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 13511-13522.	2.1	7
27	Fractional Generalization of Fickâ€™s Law: A Microscopic Approach. Physical Review Letters, 2007, 99, 230603.	7.8	23
28	Sheared flows and turbulence in fusion plasmas. Plasma Physics and Controlled Fusion, 2007, 49, B303-B311.	2.1	27
29	Dynamics of a one-dimensional model for the emergence of the plasma edge shear flow layer with momentum-conserving Reynolds stress. Physics of Plasmas, 2007, 14, 102507.	1.9	1
30	Renormalization of tracer turbulence leading to fractional differential equations. Physical Review E, 2006, 74, 016305.	2.1	43
31	Mesoscale transport properties induced by near critical resistive pressure-gradient-driven turbulence in toroidal geometry. Physics of Plasmas, 2006, 13, 022310.	1.9	17
32	On the use of critical gradient models in fusion plasma transport studies. Physics of Plasmas, 2006, 13, 062301.	1.9	9
33	Critical transition for the edge shear layer formation: Comparison of model and experiment. Physics of Plasmas, 2006, 13, 122509.	1.9	17
34	Avalanche properties in a transport model based on critical-gradient fluctuation dynamics. Physics of Plasmas, 2005, 12, 092305.	1.9	9
35	Determination of long-range correlations by quiet-time statistics. Physics of Plasmas, 2005, 12, 052304.	1.9	3
36	Probabilistic transport models for plasma transport in the presence of critical thresholds: Beyond the diffusive paradigm. Physics of Plasmas, 2005, 12, 056105.	1.9	28

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37	Additional evidence for the universality of the probability distribution of turbulent fluctuations and fluxes in the scrape-off layer region of fusion plasmas. Physics of Plasmas, 2005, 12, 052507.	1.9	58
38	Topological instability along invariant surfaces and pseudochaotic transport. Physical Review E, 2005, 72, 026227.	2.1	9
39	Fluid limit of nonintegrable continuous-time random walks in terms of fractional differential equations. Physical Review E, 2005, 71, 011111.	2.1	44
40	The foundations of diffusion revisited. Plasma Physics and Controlled Fusion, 2005, 47, B743-B754.	2.1	25
41	On the applicability of Fick's law to diffusion in inhomogeneous systems. European Journal of Physics, 2005, 26, 913-925.	0.6	84
42	Nondiffusive Transport in Plasma Turbulence: A Fractional Diffusion Approach. Physical Review Letters, 2005, 94, 065003.	7.8	203
43	Local threshold conditions and fast transition dynamics of the Lâ€"H transition in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2004, 46, A95-A104.	2.1	14
44	High confinement modes with radial structure. Plasma Physics and Controlled Fusion, 2004, 46, A105-A112.	2.1	7
45	Uphill transport and the probabilistic transport model. Physics of Plasmas, 2004, 11, 3787-3794.	1.9	30
46	Complex dynamics of blackouts in power transmission systems. Chaos, 2004, 14, 643-652.	2.5	190
47	Probabilistic finite-size transport models for fusion: Anomalous transport and scaling laws. Physics of Plasmas, 2004, 11, 2272-2285.	1.9	72
48	Fractional diffusion in plasma turbulence. Physics of Plasmas, 2004, 11, 3854-3864.	1.9	223
49	Front Dynamics in Reaction-Diffusion Systems with Levy Flights: A Fractional Diffusion Approach. Physical Review Letters, 2003, 91, 018302.	7.8	175
50	Topological instability along filamented invariant surfaces. Chaos, 2003, 13, 1175-1187.	2.5	19
51	Quiet-Time Statistics of Electrostatic Turbulent Fluxes from the JET Tokamak and the W7-AS and TJ-II Stellarators. Physical Review Letters, 2003, 90, 185005.	7.8	62
52	Quiet-time statistics: A tool to probe the dynamics of self-organized-criticality systems from within the strong overlapping regime. Physical Review E, 2002, 66, 036124.	2.1	16
53	Transition in the Dynamics of a Diffusive Running Sandpile. Physical Review Letters, 2002, 88, 204304.	7.8	20
54	Avalanche structure in a running sandpile model. Physical Review E, 2002, 66, 011302.	2.1	7

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55	Resistive pressure-gradient-driven instabilities in the transition regime to fully developed turbulence. Physics of Plasmas, 2002, 9, 47-54.	1.9	7
56	Stratified shear flows in a model of turbulence-shear flow interaction. Physics of Plasmas, 2002, 9, 118-127.	1.9	19
57	A self-organized critical transport model based on critical-gradient fluctuation dynamics. Physics of Plasmas, 2002, 9, 841-848.	1.9	18
58	SlowLâ˜HTransitions in DIII-D Plasmas. Physical Review Letters, 2002, 88, 255002.	7.8	68
59	Variation of edge gradients with heat flux across L-H and H-L transitions in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2002, 44, A359-A366.	2.1	30
60	Waiting-Time Statistics of Self-Organized-Criticality Systems. Physical Review Letters, 2002, 88, 068302.	7.8	101
61	Structure and properties of the electrostatic fluctuations in the far scrape-off layer region of Alcator C-Mod. Physics of Plasmas, 2001, 8, 3702-3707.	1.9	56
62	Reynolds stress and shear flow generation. Plasma Physics and Controlled Fusion, 2001, 43, 1377-1395.	2.1	11
63	Linear and nonlinear resistive magnetohydrodynamic stability of tokamak discharges with negative central shear. Physics of Plasmas, 2001, 8, 3358-3366.	1.9	9
64	Filamentary current detection in stellarator plasmas. Review of Scientific Instruments, 2001, 72, 471-474.	1.3	19
65	Pedestal profiles and fluctuations in C-Mod enhanced D-alpha H-modes. Physics of Plasmas, 2001, 8, 2033-2040.	1.9	85
66	Anomalous diffusion and exit time distribution of particle tracers in plasma turbulence model. Physics of Plasmas, 2001, 8, 5096-5103.	1.9	239
67	Quasicoherent fluctuations associated with a transport barrier in the sandpile model. Physics of Plasmas, 2001, 8, 3277-3281.	1.9	8
68	Sheared flow amplification by vacuum magnetic islands in stellarator plasmas. Physics of Plasmas, 2001, 8, 4111-4119.	1.9	50
69	Comment on â€œThe Hurst exponent and long-time correlationâ€•[Phys. Plasmas 7, 1181 (2000)]. Physics of Plasmas, 2000, 7, 5267-5268.	1.9	5
70	Role of rational surfaces on fluctuations and transport in the plasma edge of the TJ-II stellarator. European Physical Journal D, 2000, 50, 1463-1470.	0.4	8
71	Generation of sheared poloidal flows via Reynolds stress and transport barrier physics. Plasma Physics and Controlled Fusion, 2000, 42, A153-A160.	2.1	71
72	Statistical characterization of fluctuation wave forms in the boundary region of fusion and nonfusion plasmas. Physics of Plasmas, 2000, 7, 1408-1416.	1.9	84

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73	In Search of the Elusive Zonal Flow Using Cross-Bicoherence Analysis. Physical Review Letters, 2000, 84, 4842-4845.	7.8	126
74	Disturbances in a power transmission system. Physical Review E, 2000, 61, 4877-4882.	2.1	208
75	Full torus Landau fluid calculations of ion temperature gradient-driven turbulence in cylindrical geometry. Physics of Plasmas, 2000, 7, 5013-5022.	1.9	15
76	Intermittency of plasma edge fluctuation data: Multifractal analysis. Physics of Plasmas, 2000, 7, 3278-3287.	1.9	68
77	Effects of neutral particles on edge dynamics in Alcator C-Mod plasmas. Physics of Plasmas, 2000, 7, 1919-1926.	1.9	62
78	Self-Similarity Properties of the Probability Distribution Function of Turbulence-Induced Particle Fluxes at the Plasma Edge. Physical Review Letters, 1999, 83, 3653-3656.	7.8	117
79	Anomalous diffusion in a running sandpile model. Physical Review E, 1999, 60, 4770-4778.	2.1	52
80	Long-range time dependence in the cross-correlation function. Physics of Plasmas, 1999, 6, 485-494.	1.9	11
81	Fluctuation level bursts in a model of internal transport barrier formation. Physics of Plasmas, 1999, 6, 854-862.	1.9	11
82	Effect of poloidally asymmetric sheared flow on resistive ballooning turbulence. Physics of Plasmas, 1999, 6, 3910-3917.	1.9	6
83	Characterization of the frequency ranges of the plasma edge fluctuation spectra. Physics of Plasmas, 1999, 6, 4615-4621.	1.9	29
84	Spatiotemporal structure of resistive pressure-gradient-driven turbulence. Physics of Plasmas, 1999, 6, 107-115.	1.9	14
85	Experimental evidence of long-range correlations and self-similarity in plasma fluctuations. Physics of Plasmas, 1999, 6, 1885-1892.	1.9	57
86	Empirical Similarity of Frequency Spectra of the Edge-Plasma Fluctuations in Toroidal Magnetic-Confinement Systems. Physical Review Letters, 1999, 82, 3621-3624.	7.8	77
87	Magnetohydrodynamic calculations with a nonmonotonic q profile and equilibrium, sheared toroidal flow. Physics of Plasmas, 1999, 6, 837-845.	1.9	18
88	Self-similarity of the plasma edge fluctuations. Physics of Plasmas, 1998, 5, 3632-3643.	1.9	132
89	Long-Range Time Correlations in Plasma Edge Turbulence. Physical Review Letters, 1998, 80, 4438-4441.	7.8	143
90	Assessment of effects of neutrals on the power threshold for L-H transitions in DIII-D. Plasma Physics and Controlled Fusion, 1998, 40, 717-720.	2.1	23

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91	Internal disruptions in Heliotron E*. Physics of Plasmas, 1998, 5, 3700-3707.	1.9	14
92	Dynamics and control of internal transport barriers in reversed shear discharges. Physics of Plasmas, 1998, 5, 938-952.	1.9	59
93	Turbulent heat and particle flux response to electric field shear. Physics of Plasmas, 1998, 5, 173-177.	1.9	33
94	J* optimization of small aspect ratio stellarator/tokamak hybrid devices. Physics of Plasmas, 1998, 5, 1752-1758.	1.9	34
95	Transport Optimization and MHD Stability of a Small Aspect Ratio Toroidal Hybrid Stellarator. Physical Review Letters, 1998, 80, 528-531.	7.8	25
96	Effect of edge neutrals on the low-to-high confinement transition threshold in the DIII-D tokamak. Physics of Plasmas, 1998, 5, 2623-2636.	1.9	47
97	Dynamics of Transition to Enhanced Confinement in Reversed Magnetic Shear Discharges. Physical Review Letters, 1997, 78, 1472-1475.	7.8	93
98	Resistive pressure gradient-driven turbulence at stellarator plasma edge. Physics of Plasmas, 1997, 4, 3282-3292.	1.9	7
99	Role of neutrals in the phase transition model. Physics of Plasmas, 1996, 3, 4106-4114.	1.9	35
100	A model realization of selfâ€organized criticality for plasma confinement. Physics of Plasmas, 1996, 3, 2903-2911.	1.9	196
101	Transport reduction via shear flow modification of the cross phase. Plasma Physics and Controlled Fusion, 1996, 38, 1343-1347.	2.1	44
102	On the statistical mechanics of selfâ€organized profiles. Physics of Plasmas, 1996, 3, 3745-3753.	1.9	12
103	Fluctuationâ€induced flux at the plasma edge in toroidal devices. Physics of Plasmas, 1996, 3, 2664-2672.	1.9	139
104	The dynamics of marginality and selfâ€organized criticality as a paradigm for turbulent transport. Physics of Plasmas, 1996, 3, 1858-1866.	1.9	209
105	A simple dynamical model of edge localized mode phenomena. Plasma Physics and Controlled Fusion, 1996, 38, 1397-1400.	2.1	0
106	Alternate method for treating AlfvÃ©n waves driven unstable by Î± particles. Physics of Plasmas, 1995, 2, 4656-4658.	1.9	0
107	A minimal dynamical model of edge localized mode phenomena. Physics of Plasmas, 1995, 2, 3345-3359.	1.9	42
108	Dynamics of secondâ€order phase transitions in resistive pressureâ€gradientâ€driven turbulence. Physics of Plasmas, 1995, 2, 2744-2752.	1.9	43

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109	The effect of an external torque on low to high confinement transitions. Physics of Plasmas, 1995, 2, 3044-3048.	1.9	8
110	Dynamics of spatiotemporally propagating transport barriers. Physics of Plasmas, 1995, 2, 3685-3695.	1.9	73
111	Dynamics of L to H bifurcation. Plasma Physics and Controlled Fusion, 1994, 36, A93-A98.	2.1	27
112	Nonlinear evolution of the toroidal AlfvÃ©n instability using a gyrofluid model*. Physics of Plasmas, 1994, 1, 1503-1510.	1.9	79
113	Bifurcations and modulational interaction in negative compressibility turbulence. Physics of Plasmas, 1994, 1, 2700-2710.	1.9	22
114	Modification of tokamak edge turbulence using feedback*. Physics of Plasmas, 1994, 1, 1606-1611.	1.9	25
115	Theory of electricâ€field curvature effects on longâ€wavelength drift wave turbulence. Physics of Plasmas, 1994, 1, 1142-1153.	1.9	33
116	Self-Regulating Shear Flow Turbulence: A Paradigm for theLtoHTransition. Physical Review Letters, 1994, 72, 2565-2568.	7.8	336
117	Radiationâ€driven turbulence at the plasma edge in toroidal devices. Physics of Plasmas, 1994, 1, 3871-3882.	1.9	13
118	Dynamics of low to high (â€˜â€˜Lâ€™â€™ to â€˜â€˜Hâ€™â€™) confinement bifurcation: Poloidal flow and ion pressure gradient evolution. Physics of Plasmas, 1994, 1, 4014-4021.	1.9	74
119	Comment on â€˜â€˜Critique of atomic physics instability mechanisms: Ionizationâ€driven and radiative microinstabilities in the tokamak edge plasmaâ€™â€™ [Phys. Plasmas 1, 2630 (1994)]. Physics of Plasmas, 1994, 1, 2806-2807.	1.9	4
120	Shear flow effects on the nonlinear evolution of thermal instabilities. Physics of Fluids B, 1993, 5, 2959-2966.	1.7	18
121	Fluctuation and modulation transport studies in the Advanced Toroidal Facility (ATF) torsatron*. Physics of Fluids B, 1993, 5, 2513-2518.	1.7	15
122	Resistive pressureâ€gradientâ€driven turbulence with selfâ€consistent flow profile evolution. Physics of Fluids B, 1993, 5, 1491-1505.	1.7	69
123	Effect of a poloidal shear flow on the probability of accessing the multiple saturated states in the resistive interchange instability. Physics of Fluids B, 1993, 5, 1795-1803.	1.7	15
124	Stability Properties of the URAGAN-2M Torsatron. Fusion Science and Technology, 1993, 23, 71-78.	0.6	6
125	Alpha destabilization of the TAE mode using a reduced gyrofluid model with Landau closure. Physica Scripta, 1992, 45, 159-162.	2.5	9
126	Transport mechanisms acting in toroidal devices: a theoretician's view. Plasma Physics and Controlled Fusion, 1992, 34, 1825-1836.	2.1	17

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127	Dissipative trapped electron modes inl=2 torsatrons. Physics of Fluids B, 1992, 4, 2894-2906.	1.7	27
128	Diagnostic needs for fluctuation and transport studies (invited). Review of Scientific Instruments, 1992, 63, 4589-4594.	1.3	4
129	Theory of shear flow effects on longâ€wavelength drift wave turbulence. Physics of Fluids B, 1992, 4, 3115-3131.	1.7	82
130	Linearized gyrofluid model of the alphaâ€destabilized toroidal AlfvÃ©n eigenmode with continuum damping effects. Physics of Fluids B, 1992, 4, 3316-3328.	1.7	85
131	Effects of magnetic geometry, fluctuations, and electric fields on confinement in the Advanced Toroidal Facility. Physics of Fluids B, 1992, 4, 2104-2110.	1.7	12
132	Theory of driftâ€thermal instabilityâ€induced turbulence. Physics of Fluids B, 1992, 4, 102-116.	1.7	33
133	Theory of ionizationâ€driven drift wave turbulence. Physics of Fluids B, 1992, 4, 877-887.	1.7	47
134	Equilibrium, Stability, and Deeply Trapped Energetic Particle Confinement Calculations for l = 2 Torsatron/Heliotron Configurations. Fusion Science and Technology, 1991, 19, 217-233.	0.6	14
135	TEXT tokamak edge turbulence modeling. Physics of Fluids B, 1991, 3, 2291-2299.	1.7	46
136	Recent results from the ATF torsatron. Physics of Fluids B, 1991, 3, 2261-2269.	1.7	19
137	Electron diamagnetic effects on the resistive pressureâ€gradientâ€driven turbulence and poloidal flow generation. Physics of Fluids B, 1991, 3, 1438-1444.	1.7	91
138	Bootstrap-current experiments in a toroidal plasma-confinement device. Physical Review Letters, 1991, 66, 707-710.	7.8	46
139	Second stability in the ATF torsatronâ€”Experiment and theory. Physics of Fluids B, 1990, 2, 1353-1358.	1.7	18
140	Advanced Toroidal Facility II Studies. Fusion Science and Technology, 1990, 17, 188-205.	0.6	7
141	Linear and nonlinear properties of infernal modes. Physics of Fluids B, 1990, 2, 1574-1583.	1.7	15
142	Lowâ€instability calculations for threeâ€dimensional stellarator configurations. Physics of Fluids B, 1990, 2, 2162-2167.	1.7	25
143	The effect of compressibility on magnetohydrodynamic instabilities in toroidal tokamak geometry. Physics of Fluids B, 1990, 2, 539-546.	1.7	3
144	Fluctuations and anomalous transport in tokamaks. Physics of Fluids B, 1990, 2, 2879-2903.	1.7	447

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145	Second stability in the ATF torsatron. Physical Review Letters, 1989, 63, 1249-1252.	7.8	54
146	Bootstrap current control in stellarators. Physics of Fluids B, 1989, 1, 1663-1670.	1.7	49
147	Magnetohydrodynamic stability and nonlinear evolution of the m=1 mode in toroidal geometry for safety factor profiles with an inflection point. Physics of Fluids B, 1989, 1, 788-797.	1.7	19
148	Fluctuation spectrum of resistive pressureâ€gradientâ€driven turbulence. Physics of Fluids B, 1989, 1, 119-133.	1.7	11
149	Thermal diffusivity induced by resistive pressureâ€gradientâ€driven turbulence. Physics of Fluids B, 1989, 1, 1011-1017.	1.7	62
150	Tokamak m=1 magnetohydrodynamic calculations in toroidal geometry using a full set of nonlinear resistive magnetohydrodynamic equations. Physics of Fluids, 1988, 31, 347.	1.4	18
151	Nonlinear dynamics of tearing modes in the reversed field pinch. Physics of Fluids, 1988, 31, 1166.	1.4	56
152	Nonlinear evolution of the internal kink mode in toroidal geometry for shaped tokamak plasmas. Physics of Fluids, 1988, 31, 1202.	1.4	24
153	Studies of a Flexible Heliac Configuration. Fusion Science and Technology, 1988, 13, 521-535.	0.6	12
154	Stability of ideal and resistive internal kink modes in toroidal geometry. Physics of Fluids, 1987, 30, 1756.	1.4	110
155	Theory of resistive pressure-gradient-driven turbulence. Physics of Fluids, 1987, 30, 1388.	1.4	134
156	Role of impurity dynamics in resistivity-gradient-driven turbulence and tokamak edge plasma phenomena. Physics of Fluids, 1987, 30, 1452.	1.4	32
157	Spectrum of resistivity-gradient-driven turbulence. Physics of Fluids, 1986, 29, 2501.	1.4	17
158	The Advanced Toroidal Facility. Fusion Science and Technology, 1986, 10, 179-226.	0.6	150
159	Toroidal field effects on the stability of a Heliotron configuration. Physics of Fluids, 1986, 29, 3356.	1.4	9
160	Nonlinear resistive g mode and electron heat conductivity in torsatron/heliotron plasmas. Physics of Fluids, 1985, 28, 2027.	1.4	14
161	Theory of resistivity-gradient-driven turbulence. Physics of Fluids, 1985, 28, 2147.	1.4	79
162	Kinetic theory of resistive ballooning modes. Physics of Fluids, 1985, 28, 1116.	1.4	42

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163	Nonlinear interaction of tearing modes: A comparison between the tokamak and the reversed field pinch configurations. Physics of Fluids, 1985, 28, 261-270.	1.4	27
164	The effect of diamagnetic rotation on the nonlinear coupling of tearing modes. Physics of Fluids, 1984, 27, 909.	1.4	18
165	Equilibrium calculations for helical axis stellarators. Physics of Fluids, 1984, 27, 2101.	1.4	28
166	The effects of compressibility of the resistive ballooning mode. Physics of Fluids, 1984, 27, 1439.	1.4	55
167	Theory of anomalous tearing mode growth and the major tokamak disruption. Physics of Fluids, 1984, 27, 1449.	1.4	77
168	A comparison of the full and reduced sets of magnetohydrodynamic equations for resistive tearing modes in cylindrical geometry. Physics of Fluids, 1983, 26, 2569.	1.4	11
169	Transport Effects Induced by Resistive Ballooning Modes and Comparison with High-Î²pISX-BTokamak Confinement. Physical Review Letters, 1983, 50, 503-506.	7.8	166
170	Equilibrium and stability properties of high-beta torsatrons. Physics of Fluids, 1983, 26, 3569.	1.4	61
171	Magnetohydrodynamic Instability with Neutral-Beam Heating in the ISX-BTokamak. Physical Review Letters, 1982, 48, 538-541.	7.8	43
172	Rippling modes in the edge of a tokamak plasma. Physics of Fluids, 1982, 25, 1231.	1.4	45
173	Nonlinear Destabilization of Tearing Modes. Physical Review Letters, 1981, 46, 1131-1134.	7.8	41