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	Fluctuations and anomalous transport in tokamaks. Physics of Fluids B, 1990, 2, 2879-2903.	1.7	447
2	Self-Regulating Shear Flow Turbulence: A Paradigm for theLtoHTransition. Physical Review Letters, 1994, 72, 2565-2568.	7.8	336
3	Anomalous diffusion and exit time distribution of particle tracers in plasma turbulence model. Physics of Plasmas, 2001, 8, 5096-5103.	1.9	239
4	Fractional diffusion in plasma turbulence. Physics of Plasmas, 2004, 11, 3854-3864.	1.9	223
5	The dynamics of marginality and selfâ€organized criticality as a paradigm for turbulent transport. Physics of Plasmas, 1996, 3, 1858-1866.	1.9	209
6	Disturbances in a power transmission system. Physical Review E, 2000, 61, 4877-4882.	2.1	208
7	Nondiffusive Transport in Plasma Turbulence: A Fractional Diffusion Approach. Physical Review Letters, 2005, 94, 065003.	7.8	203
8	A model realization of selfâ€organized criticality for plasma confinement. Physics of Plasmas, 1996, 3, 2903-2911.	1.9	196
9	Complex dynamics of blackouts in power transmission systems. Chaos, 2004, 14, 643-652.	2.5	190
10	Front Dynamics in Reaction-Diffusion Systems with Levy Flights: A Fractional Diffusion Approach. Physical Review Letters, 2003, 91, 018302.	7.8	175
11	Transport Effects Induced by Resistive Ballooning Modes and Comparison with High-Î²pISX-BTokamak Confinement. Physical Review Letters, 1983, 50, 503-506.	7.8	166
12	The Advanced Toroidal Facility. Fusion Science and Technology, 1986, 10, 179-226.	0.6	150
13	Long-Range Time Correlations in Plasma Edge Turbulence. Physical Review Letters, 1998, 80, 4438-4441.	7.8	143
14	Fluctuationâ€induced flux at the plasma edge in toroidal devices. Physics of Plasmas, 1996, 3, 2664-2672.	1.9	139
15	Theory of resistive pressure-gradient-driven turbulence. Physics of Fluids, 1987, 30, 1388.	1.4	134
16	Self-similarity of the plasma edge fluctuations. Physics of Plasmas, 1998, 5, 3632-3643.	1.9	132
17	In Search of the Elusive Zonal Flow Using Cross-Bicoherence Analysis. Physical Review Letters, 2000, 84, 4842-4845.	7.8	126
18	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

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19	Stability of ideal and resistive internal kink modes in toroidal geometry. Physics of Fluids, 1987, 30, 1756.	1.4	110
20	Waiting-Time Statistics of Self-Organized-Criticality Systems. Physical Review Letters, 2002, 88, 068302.	7.8	101
21	Dynamics of Transition to Enhanced Confinement in Reversed Magnetic Shear Discharges. Physical Review Letters, 1997, 78, 1472-1475.	7.8	93
22	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
23	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
24	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
25	Pedestal profiles and fluctuations in C-Mod enhanced D-alpha H-modes. Physics of Plasmas, 2001, 8, 2033-2040.	1.9	85
26	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
27	On the applicability of Fick's law to diffusion in inhomogeneous systems. European Journal of Physics, 2005, 26, 913-925.	0.6	84
28	Theory of shear flow effects on longâ€wavelength drift wave turbulence. Physics of Fluids B, 1992, 4, 3115-3131.	1.7	82
29	Theory of resistivity-gradient-driven turbulence. Physics of Fluids, 1985, 28, 2147.	1.4	79
30	Nonlinear evolution of the toroidal AlfvÃ©n instability using a gyrofluid model*. Physics of Plasmas, 1994, 1, 1503-1510.	1.9	79
31	Theory of anomalous tearing mode growth and the major tokamak disruption. Physics of Fluids, 1984, 27, 1449.	1.4	77
32	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
33	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
34	Dynamics of spatiotemporally propagating transport barriers. Physics of Plasmas, 1995, 2, 3685-3695.	1.9	73
35	Probabilistic finite-size transport models for fusion: Anomalous transport and scaling laws. Physics of Plasmas, 2004, 11, 2272-2285.	1.9	72
36	Generation of sheared poloidal flows via Reynolds stress and transport barrier physics. Plasma Physics and Controlled Fusion, 2000, 42, A153-A160.	2.1	71

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37	Resistive pressureâ€gradientâ€driven turbulence with selfâ€consistent flow profile evolution. Physics of Fluids B, 1993, 5, 1491-1505.	1.7	69
38	Intermittency of plasma edge fluctuation data: Multifractal analysis. Physics of Plasmas, 2000, 7, 3278-3287.	1.9	68
39	SlowLâ^'HTransitions in DIII-D Plasmas. Physical Review Letters, 2002, 88, 255002.	7.8	68
40	Thermal diffusivity induced by resistive pressureâ€gradientâ€driven turbulence. Physics of Fluids B, 1989, 1, 1011-1017.	1.7	62
41	Effects of neutral particles on edge dynamics in Alcator C-Mod plasmas. Physics of Plasmas, 2000, 7, 1919-1926.	1.9	62
42	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
43	Equilibrium and stability properties of high-beta torsatrons. Physics of Fluids, 1983, 26, 3569.	1.4	61
44	Dynamics and control of internal transport barriers in reversed shear discharges. Physics of Plasmas, 1998, 5, 938-952.	1.9	59
45	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
46	Experimental evidence of long-range correlations and self-similarity in plasma fluctuations. Physics of Plasmas, 1999, 6, 1885-1892.	1.9	57
47	Nonlinear dynamics of tearing modes in the reversed field pinch. Physics of Fluids, 1988, 31, 1166.	1.4	56
48	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
49	The effects of compressibility of the resistive ballooning mode. Physics of Fluids, 1984, 27, 1439.	1.4	55
50	Second stability in the ATF torsatron. Physical Review Letters, 1989, 63, 1249-1252.	7.8	54
51	Anomalous diffusion in a running sandpile model. Physical Review E, 1999, 60, 4770-4778.	2.1	52
52	Sheared flow amplification by vacuum magnetic islands in stellarator plasmas. Physics of Plasmas, 2001, 8, 4111-4119.	1.9	50
53	Bootstrap current control in stellarators. Physics of Fluids B, 1989, 1, 1663-1670.	1.7	49
54	Theory of ionizationâ€driven drift wave turbulence. Physics of Fluids B, 1992, 4, 877-887.	1.7	47

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55	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
56	TEXT tokamak edge turbulence modeling. Physics of Fluids B, 1991, 3, 2291-2299.	1.7	46
57	Bootstrap-current experiments in a toroidal plasma-confinement device. Physical Review Letters, 1991, 66, 707-710.	7.8	46
58	Rippling modes in the edge of a tokamak plasma. Physics of Fluids, 1982, 25, 1231.	1.4	45
59	Nature of Transport across Sheared Zonal Flows in Electrostatic Ion-Temperature-Gradient Gyrokinetic Plasma Turbulence. Physical Review Letters, 2008, 101, 205002.	7.8	45
60	Transport reduction via shear flow modification of the cross phase. Plasma Physics and Controlled Fusion, 1996, 38, 1343-1347.	2.1	44
61	Fluid limit of nonintegrable continuous-time random walks in terms of fractional differential equations. Physical Review E, 2005, 71, 011111.	2.1	44
62	Magnetohydrodynamic Instability with Neutral-Beam Heating in the ISX-BTokamak. Physical Review Letters, 1982, 48, 538-541.	7.8	43
63	Dynamics of secondâ€order phase transitions in resistive pressureâ€gradientâ€driven turbulence. Physics of Plasmas, 1995, 2, 2744-2752.	1.9	43
64	Renormalization of tracer turbulence leading to fractional differential equations. Physical Review E, 2006, 74, 016305.	2.1	43
65	Kinetic theory of resistive ballooning modes. Physics of Fluids, 1985, 28, 1116.	1.4	42
66	A minimal dynamical model of edge localized mode phenomena. Physics of Plasmas, 1995, 2, 3345-3359.	1.9	42
67	Nonlinear Destabilization of Tearing Modes. Physical Review Letters, 1981, 46, 1131-1134.	7.8	41
68	Multi-scale physics mechanisms and spontaneous edge transport bifurcations in fusion plasmas. Europhysics Letters, 2009, 87, 55002.	2.0	41
69	Role of neutrals in the phase transition model. Physics of Plasmas, 1996, 3, 4106-4114.	1.9	35
70	J* optimization of small aspect ratio stellarator/tokamak hybrid devices. Physics of Plasmas, 1998, 5, 1752-1758.	1.9	34
71	Theory of driftâ€thermal instabilityâ€induced turbulence. Physics of Fluids B, 1992, 4, 102-116.	1.7	33
72	Theory of electricâ€field curvature effects on longâ€wavelength drift wave turbulence. Physics of Plasmas, 1994, 1, 1142-1153.	1.9	33

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73	Turbulent heat and particle flux response to electric field shear. Physics of Plasmas, 1998, 5, 173-177.	1.9	33
74	Role of impurity dynamics in resistivity-gradient-driven turbulence and tokamak edge plasma phenomena. Physics of Fluids, 1987, 30, 1452.	1.4	32
75	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
76	Uphill transport and the probabilistic transport model. Physics of Plasmas, 2004, 11, 3787-3794.	1.9	30
77	Characterization of the frequency ranges of the plasma edge fluctuation spectra. Physics of Plasmas, 1999, 6, 4615-4621.	1.9	29
78	Equilibrium calculations for helical axis stellarators. Physics of Fluids, 1984, 27, 2101.	1.4	28
79	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
80	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
81	Dissipative trapped electron modes inl=2 torsatrons. Physics of Fluids B, 1992, 4, 2894-2906.	1.7	27
82	Dynamics of L to H bifurcation. Plasma Physics and Controlled Fusion, 1994, 36, A93-A98.	2.1	27
83	Sheared flows and turbulence in fusion plasmas. Plasma Physics and Controlled Fusion, 2007, 49, B303-B311.	2.1	27
84	Lowâ€instability calculations for threeâ€dimensional stellarator configurations. Physics of Fluids B, 1990, 2, 2162-2167.	1.7	25
85	Modification of tokamak edge turbulence using feedback*. Physics of Plasmas, 1994, 1, 1606-1611.	1.9	25
86	Transport Optimization and MHD Stability of a Small Aspect Ratio Toroidal Hybrid Stellarator. Physical Review Letters, 1998, 80, 528-531.	7.8	25
87	The foundations of diffusion revisited. Plasma Physics and Controlled Fusion, 2005, 47, B743-B754.	2.1	25
88	Nonlinear evolution of the internal kink mode in toroidal geometry for shaped tokamak plasmas. Physics of Fluids, 1988, 31, 1202.	1.4	24
89	Characterization of Nondiffusive Transport in Plasma Turbulence via a Novel Lagrangian Method. Physical Review Letters, 2008, 101, 165001.	7.8	24
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	Fractional Generalization of Fickâ€™s Law: A Microscopic Approach. Physical Review Letters, 2007, 99, 230603.	7.8	23
92	Bifurcations and modulational interaction in negative compressibility turbulence. Physics of Plasmas, 1994, 1, 2700-2710.	1.9	22
93	Transition in the Dynamics of a Diffusive Running Sandpile. Physical Review Letters, 2002, 88, 204304.	7.8	20
94	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
95	Recent results from the ATF torsatron. Physics of Fluids B, 1991, 3, 2261-2269.	1.7	19
96	Filamentary current detection in stellarator plasmas. Review of Scientific Instruments, 2001, 72, 471-474.	1.3	19
97	Stratified shear flows in a model of turbulence-shear flow interaction. Physics of Plasmas, 2002, 9, 118-127.	1.9	19
98	Topological instability along filamented invariant surfaces. Chaos, 2003, 13, 1175-1187.	2.5	19
99	A possible mechanism for confinement power degradation in the TJ-II stellarator. Physics of Plasmas, 2018, 25, .	1.9	19
100	The effect of diamagnetic rotation on the nonlinear coupling of tearing modes. Physics of Fluids, 1984, 27, 909.	1.4	18
101	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
102	Second stability in the ATF torsatronâ€”Experiment and theory. Physics of Fluids B, 1990, 2, 1353-1358.	1.7	18
103	Shear flow effects on the nonlinear evolution of thermal instabilities. Physics of Fluids B, 1993, 5, 2959-2966.	1.7	18
104	Magnetohydrodynamic calculations with a nonmonotonic q profile and equilibrium, sheared toroidal flow. Physics of Plasmas, 1999, 6, 837-845.	1.9	18
105	A self-organized critical transport model based on critical-gradient fluctuation dynamics. Physics of Plasmas, 2002, 9, 841-848.	1.9	18
106	Spectrum of resistivity-gradient-driven turbulence. Physics of Fluids, 1986, 29, 2501.	1.4	17
107	Transport mechanisms acting in toroidal devices: a theoretician's view. Plasma Physics and Controlled Fusion, 1992, 34, 1825-1836.	2.1	17
108	Mesoscale transport properties induced by near critical resistive pressure-gradient-driven turbulence in toroidal geometry. Physics of Plasmas, 2006, 13, 022310.	1.9	17

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109	Critical transition for the edge shear layer formation: Comparison of model and experiment. Physics of Plasmas, 2006, 13, 122509.	1.9	17
110	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
111	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
112	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
113	Linear and nonlinear properties of infernal modes. Physics of Fluids B, 1990, 2, 1574-1583.	1.7	15
114	Fluctuation and modulation transport studies in the Advanced Toroidal Facility (ATF) torsatron*. Physics of Fluids B, 1993, 5, 2513-2518.	1.7	15
115	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
116	Full torus Landau fluid calculations of ion temperature gradient-driven turbulence in cylindrical geometry. Physics of Plasmas, 2000, 7, 5013-5022.	1.9	15
117	Nonlinear resistive g mode and electron heat conductivity in torsatron/heliotron plasmas. Physics of Fluids, 1985, 28, 2027.	1.4	14
118	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
119	Internal disruptions in Heliotron E*. Physics of Plasmas, 1998, 5, 3700-3707.	1.9	14
120	Spatiotemporal structure of resistive pressure-gradient-driven turbulence. Physics of Plasmas, 1999, 6, 107-115.	1.9	14
121	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
122	Radiationâ€driven turbulence at the plasma edge in toroidal devices. Physics of Plasmas, 1994, 1, 3871-3882.	1.9	13
123	Longâ€Range Correlations During Plasma Transitions in the TJâ€II Stellarator. Contributions To Plasma Physics, 2010, 50, 507-513.	1.1	13
124	Studies of a Flexible Heliac Configuration. Fusion Science and Technology, 1988, 13, 521-535.	0.6	12
125	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
126	On the statistical mechanics of selfâ€organized profiles. Physics of Plasmas, 1996, 3, 3745-3753.	1.9	12

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127	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
128	Fluctuation spectrum of resistive pressureâ€gradientâ€driven turbulence. Physics of Fluids B, 1989, 1, 119-133.	1.7	11
129	Long-range time dependence in the cross-correlation function. Physics of Plasmas, 1999, 6, 485-494.	1.9	11
130	Fluctuation level bursts in a model of internal transport barrier formation. Physics of Plasmas, 1999, 6, 854-862.	1.9	11
131	Reynolds stress and shear flow generation. Plasma Physics and Controlled Fusion, 2001, 43, 1377-1395.	2.1	11
132	Dynamical Coupling between Gradients and Transport in Fusion Plasmas. Physical Review Letters, 2012, 108, 065001.	7.8	11
133	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
134	Toroidal field effects on the stability of a Heliotron configuration. Physics of Fluids, 1986, 29, 3356.	1.4	9
135	Alpha destabilization of the TAE mode using a reduced gyrofluid model with Landau closure. Physica Scripta, 1992, 45, 159-162.	2.5	9
136	Linear and nonlinear resistive magnetohydrodynamic stability of tokamak discharges with negative central shear. Physics of Plasmas, 2001, 8, 3358-3366.	1.9	9
137	Avalanche properties in a transport model based on critical-gradient fluctuation dynamics. Physics of Plasmas, 2005, 12, 092305.	1.9	9
138	Topological instability along invariant surfaces and pseudochaotic transport. Physical Review E, 2005, 72, 026227.	2.1	9
139	On the use of critical gradient models in fusion plasma transport studies. Physics of Plasmas, 2006, 13, 062301.	1.9	9
140	The causal relation between turbulent particle flux and density gradient. Physics of Plasmas, 2016, 23, 072307.	1.9	9
141	The effect of an external torque on low to high confinement transitions. Physics of Plasmas, 1995, 2, 3044-3048.	1.9	8
142	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
143	Quasicoherent fluctuations associated with a transport barrier in the sandpile model. Physics of Plasmas, 2001, 8, 3277-3281.	1.9	8
144	Influence of Î² on the self-similarity properties of LHD edge fluctuations. Plasma Physics and Controlled Fusion, 2011, 53, 095010.	2.1	8

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145	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
146	Intermittence and turbulence in fusion devices. Plasma Physics and Controlled Fusion, 2020, 62, 025011.	2.1	8
147	Advanced Toroidal Facility II Studies. Fusion Science and Technology, 1990, 17, 188-205.	0.6	7
148	Resistive pressure gradient-driven turbulence at stellarator plasma edge. Physics of Plasmas, 1997, 4, 3282-3292.	1.9	7
149	Avalanche structure in a running sandpile model. Physical Review E, 2002, 66, 011302.	2.1	7
150	Resistive pressure-gradient-driven instabilities in the transition regime to fully developed turbulence. Physics of Plasmas, 2002, 9, 47-54.	1.9	7
151	High confinement modes with radial structure. Plasma Physics and Controlled Fusion, 2004, 46, A105-A112.	2.1	7
152	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
153	Stability Properties of the URAGAN-2M Torsatron. Fusion Science and Technology, 1993, 23, 71-78.	0.6	6
154	Effect of poloidally asymmetric sheared flow on resistive ballooning turbulence. Physics of Plasmas, 1999, 6, 3910-3917.	1.9	6
155	Pseudochaotic poloidal transport in the laminar regime of the resistive ballooning instabilities. Physics of Plasmas, 2008, 15, 042302.	1.9	6
156	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
157	Applicability of transfer entropy for the calculation of effective diffusivity in heat transport. Physics of Plasmas, 2018, 25, 102304.	1.9	5
158	Diagnostic needs for fluctuation and transport studies (invited). Review of Scientific Instruments, 1992, 63, 4589-4594.	1.3	4
159	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
160	The effect of compressibility on magnetohydrodynamic instabilities in toroidal tokamak geometry. Physics of Fluids B, 1990, 2, 539-546.	1.7	3
161	Determination of long-range correlations by quiet-time statistics. Physics of Plasmas, 2005, 12, 052304.	1.9	3
162	Topological characterization of flow structures in resistive pressure-gradient-driven turbulence. Physical Review E, 2008, 78, 066402.	2.1	3

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163	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
164	Causality, intermittence, and crossphase evolution during confinement transitions in the TJ-II stellarator. Physics of Plasmas, 2021, 28, 092302.	1.9	3
165	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
166	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
167	Causal impact of magnetic fluctuations in slow and fast Lâ€“H transitions at TJ-II. Physics of Plasmas, 2016, 23, 072305.	1.9	2
168	Identification and characterization of topological structures of turbulence in magnetic confined plasmas. Plasma Physics and Controlled Fusion, 2020, 62, 115013.	2.1	2
169	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
170	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
171	Alternate method for treating AlfvÃ©n waves driven unstable by Î± particles. Physics of Plasmas, 1995, 2, 4656-4658.	1.9	0
172	A simple dynamical model of edge localized mode phenomena. Plasma Physics and Controlled Fusion, 1996, 38, 1397-1400.	2.1	0
173	Correlations and non-local transport in a critical-gradient fluctuation model. Journal of Physics: Conference Series, 2016, 775, 012008.	0.4	0