Boudewijn van Milligen

List of Publications by Year
in descending order

177 papers	5,266 citations	71102 41 h-index	102487 66 g-index
180 all docs	180 docs citations	180 times ranked	2763 citing authors

#	Article	IF	Citations
1	Overview of the TJ-II stellarator research programme towards model validation in fusion plasmas. Nuclear Fusion, 2022, 62, 042025.	3.5	9
2	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
3	Spatial characterization of edge zonal flows in the TJ-II stellarator: the roles of plasma heating and isotope mass. Plasma Physics and Controlled Fusion, 2021, 63, 044002.	2.1	6
4	The interpretation of magnetic activity associated with pellet injections into plasmas created in the stellarator TJ-II. Nuclear Fusion, 2021, 61, 076014.	3.5	5
5	Causality, intermittence, and crossphase evolution during confinement transitions in the TJ-II stellarator. Physics of Plasmas, 2021, 28, 092302.	1.9	3
6	Experimental observation of resonance manifold shrinking under zonal flow shear. Physical Review E, 2020, 102, 063201.	2.1	1
7	Measurements of 2D poloidal plasma profiles and fluctuations in ECRH plasmas using the heavy ion beam probe system in the TJ-II stellarator. Physics of Plasmas, 2020, 27, .	1.9	9
8	Intermittence and turbulence in fusion devices. Plasma Physics and Controlled Fusion, 2020, 62, 025011.	2.1	8
9	The localization of low order rational surfaces based on the intermittence parameter in the TJ-II stellarator. Nuclear Fusion, 2020, 60, 056010.	3.5	5
10	The impact of edge radial electric fields on edgeâ€“scrape-off layer coupling in the TJ-II stellarator. Nuclear Fusion, 2020, 60, 014001.	3.5	15
11	Turbulent filament properties in L and H-mode regime in the RFX-mod operating as a tokamak. Nuclear Fusion, 2020, 60, 126006.	3.5	10
12	Overview of first Wendelstein 7-X high-performance operation. Nuclear Fusion, 2019, 59, 112004.	3.5	165
13	Overview of recent TJ-II stellarator results. Nuclear Fusion, 2019, 59, 112019.	3.5	12
14	On the interplay between turbulent forces and neoclassical particle losses in zonal flow dynamics. Nuclear Fusion, 2019, 59, 106054.	3.5	8
15	Frequency and plasma condition dependent spatial structure of low frequency global potential oscillations in the TJ-II stellarator. Nuclear Fusion, 2019, 59, 044006.	3.5	6
16	Out of Africa by spontaneous migration waves. PLoS ONE, 2019, 14, e0201998.	2.5	15
17	Radial variation of heat transport in L-mode JET discharges. Nuclear Fusion, 2019, 59, 056006.	3.5	3
18	The Radial Propagation of Heat in Strongly Driven Non-Equilibrium Fusion Plasmas. Entropy, 2019, 21, 148.	2.2	9

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19	Measurement and control of turbulence spreading in the scrape-off layer of TJ-II stellarator. Nuclear Fusion, 2019, 59, 016018.	3.5	26
20	Study of radial heat transport in W7-X using the transfer entropy. Nuclear Fusion, 2018, 58, 076002.	3.5	14
21	Filaments in the edge confinement region of TJ-II. Nuclear Fusion, 2018, 58, 026030.	3.5	4
22	Applicability of transfer entropy for the calculation of effective diffusivity in heat transport. Physics of Plasmas, 2018, 25, 102304.	1.9	5
23	Magnetic configuration effects on the Wendelstein 7-X stellarator. Nature Physics, 2018, 14, 855-860.	16.7	110
24	Role of isotope mass and evidence of fluctuating zonal flows during the Lâ€“H transition in the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2018, 60, 074002.	2.1	12
25	A possible mechanism for confinement power degradation in the TJ-II stellarator. Physics of Plasmas, 2018, 25, .	1.9	19
26	Major results from the first plasma campaign of the Wendelstein 7-X stellarator. Nuclear Fusion, 2017, 57, 102020.	3.5	128
27	Moderation of neoclassical impurity accumulation in high temperature plasmas of helical devices. Nuclear Fusion, 2017, 57, 016016.	3.5	22
28	The impact of rational surfaces on radial heat transport in TJ-II. Nuclear Fusion, 2017, 57, 056028.	3.5	18
29	3D effects on transport and plasma control in the TJ-II stellarator. Nuclear Fusion, 2017, 57, 102022.	3.5	16
30	Causal impact of magnetic fluctuations in slow and fast Lâ€“H transitions at TJ-II. Physics of Plasmas, 2016, 23, 072305.	1.9	2
31	The role of magnetic islands in modifying long range temporal correlations of density fluctuations and local heat transport. Nuclear Fusion, 2016, 56, 016013.	3.5	7
32	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
33	Confirmation of the topology of the Wendelstein 7-X magnetic field to better than 1:100,000. Nature Communications, 2016, 7, 13493.	12.8	85
34	Constructing criteria to diagnose the likelihood of extreme events in the case of the electric power grid. Chaos, 2016, 26, 033109.	2.5	3
35	The causal relation between turbulent particle flux and density gradient. Physics of Plasmas, 2016, 23, 072307.	1.9	9
36	Multi-scale study of the isotope effect in ISTTOK. Nuclear Fusion, 2016, 56, 056012.	3.5	8

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37	Particle transport after pellet injection in the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2016, 58, 084004.	2.1	13
38	Influence of long-scale length radial electric field components on zonal flow-like structures in the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2016, 58, 084005.	2.1	13
39	Parallel impurity dynamics in the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2016, 58, 074009.	2.1	10
40	Plasma flow, turbulence and magnetic islands in TJ-II. Nuclear Fusion, 2016, 56, 026011.	3.5	39
41	Non-diffusive transport of suprathermal ions by intermittent turbulent structures. Plasma Physics and Controlled Fusion, 2016, 58, 014023.	2.1	4
42	Magnetic well scan and confinement in the TJ-II stellarator. Nuclear Fusion, 2015, 55, 113014.	3.5	11
43	A Spectrally Resolved Motional Stark Effect Diagnostic for the TJâ€II Stellarator. Contributions To Plasma Physics, 2015, 55, 459-469.	1.1	7
44	Layered intrusions and traffic jams. Geology, 2015, 43, 71-74.	4.4	19
45	The use of the biorthogonal decomposition for the identification of zonal flows at TJ-II. Plasma Physics and Controlled Fusion, 2015, 57, 025005.	2.1	13
46	Transport, stability and plasma control studies in the TJ-II stellarator. Nuclear Fusion, 2015, 55, 104014.	3.5	9
47	Limit cycle oscillations at the Lâ€“Iâ€“H transition in TJ-II plasmas: triggering, temporal ordering and radial propagation. Nuclear Fusion, 2015, 55, 063005.	3.5	18
48	Analysis of TJ-II experimental data with neoclassical formulations of the radial electric field. Plasma Physics and Controlled Fusion, 2015, 57, 115004.	2.1	10
49	Isotope effect physics, turbulence and long-range correlation studies in the TJ-II stellarator. Nuclear Fusion, 2015, 55, 112002.	3.5	13
50	Transport analysis in an electron cyclotron heating power scan of TJ-II plasmas. Plasma Physics and Controlled Fusion, 2014, 56, 075024.	2.1	4
51	Double imaging with an intensified visible fast camera to visualize the fine structure of turbulent coherent plasma structures (blobs) in TJ-II. Plasma Physics and Controlled Fusion, 2014, 56, 105003.	2.1	9
52	Causality detection and turbulence in fusion plasmas. Nuclear Fusion, 2014, 54, 023011.	3.5	23
53	Characterization of radial turbulent fluxes in the Santander linear plasma machine. Physics of Plasmas, 2014, 21, 052303.	1.9	2
54	Simplified numerical model for clarifying scaling behavior in the intermediate dispersion regime in homogeneous porous media. Computer Physics Communications, 2014, 185, 3291-3301.	7.5	4

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55	Higher Harmonics in the Perturbative Transport Study in TJ-II ECH Plasma. Plasma and Fusion Research, 2014, 9, 1202052-1202052.	0.7	15
56	Parallel and perpendicular turbulence correlation length in the TJ-II Stellarator. Nuclear Fusion, 2013, 53, 093025.	3.5	1
57	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	3.5	70
58	Transport in threshold plasmas for a confinement transition in the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2013, 55, 015001.	2.1	10
59	Mitigation of NBI-driven AlfvÃ©n eigenmodes by electron cyclotron heating in the TJ-II stellarator. Nuclear Fusion, 2013, 53, 072004.	3.5	44
60	Dynamics of zonal-flow-like structures in the edge of the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2013, 55, 014001.	2.1	10
61	A general unified expression for solute and heat dispersion in homogeneous porous media. Water Resources Research, 2013, 49, 6166-6178.	4.2	20
62	Dynamics of flows and confinement in the TJ-II stellarator. Nuclear Fusion, 2013, 53, 104016.	3.5	5
63	Spatiotemporal and wavenumber resolved bicoherence at the low to high confinement transition in the TJ-II stellarator. Nuclear Fusion, 2013, 53, 113034.	3.5	5
64	Spatial, temporal and spectral structure of the turbulenceâ€“flow interaction at the Lâ€“H transition. Plasma Physics and Controlled Fusion, 2012, 54, 124024.	2.1	18
65	Analytical model for tracer dispersion in porous media. Physical Review E, 2012, 85, 011306.	2.1	19
66	MHD mode activity and the velocity shear layer at TJ-II. Nuclear Fusion, 2012, 52, 013006.	3.5	13
67	Dynamic transport regulation by zonal flow-like structures in the TJ-II stellarator. Nuclear Fusion, 2012, 52, 063010.	3.5	15
68	Relevance of Uncorrelated Lorentzian Pulses for the Interpretation of Turbulence in the Edge of Magnetically Confined Toroidal Plasmas. Physical Review Letters, 2012, 109, 105001.	7.8	7
69	Dynamical Coupling between Gradients and Transport in Fusion Plasmas. Physical Review Letters, 2012, 108, 065001.	7.8	11
70	Overview of TJ-II experiments. Nuclear Fusion, 2011, 51, 094022.	3.5	24
71	Observation of Filamentary Structures on the Boundary Region of the LHD Stellarator. Contributions To Plasma Physics, 2011, 51, 92-98.	1.1	3
72	Integrated data analysis at TJ-II: The density profile. Review of Scientific Instruments, 2011, 82, 073503.	1.3	46

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73	Long-range correlations and edge transport bifurcation in fusion plasmas. Nuclear Fusion, 2011, 51, 063020.	3.5	30
74	Measurements of bicoherence and long-range correlations during biasing in the HSX stellarator. Nuclear Fusion, 2011, 51, 083048.	3.5	12
75	A global resonance phenomenon at the TJ-II stellarator. Nuclear Fusion, 2011, 51, 013005.	3.5	14
76	Inward and outward propagation of the floating potential fluctuations in the plasma edge of the TJ-II stellarator. Nuclear Fusion, 2011, 51, 073027.	3.5	4
77	The dynamics of the formation of the edge particle transport barrier at TJ-II. Nuclear Fusion, 2011, 51, 113002.	3.5	11
78	Extraction of intermittent waveforms associated with the zonal flow at the transition leading to the edge shear flow layer. Nuclear Fusion, 2011, 51, 053022.	3.5	7
79	Magnetic resonances and electric fields in the TJ-II Heliac. Plasma Physics and Controlled Fusion, 2011, 53, 124022.	2.1	13
80	Frequencyâ€domain homotopy inversion using the perturbation theory. , 2011, , .		0
81	Test particle analysis in L- and H-mode simulations. Physics of Plasmas, 2010, 17, .	1.9	3
82	Overview of JET results. Nuclear Fusion, 2009, 49, 104006.	3.5	46
83	Multi-scale physics mechanisms and spontaneous edge transport bifurcations in fusion plasmas. Europhysics Letters, 2009, 87, 55002.	2.0	41
84	Confinement transitions in TJ-II under Li-coated wall conditions. Nuclear Fusion, 2009, 49, 104018.	3.5	75
85	Sheared flows and transition to improved confinement regime in the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2009, 51, 124015.	2.1	104
86	Turbulence studies by fast camera imaging experiments in the TJII stellarator. Journal of Nuclear Materials, 2009, 390-391, 457-460.	2.7	8
87	Analysis of the radial transport of tracers in a turbulence simulation. Physics of Plasmas, 2009, 16, 042319.	1.9	6
88	Continuous time random walks in finite domains and general boundary conditions: some formal considerations. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 215004.	2.1	12
89	Bicoherence during confinement transitions in the TJ-II stellarator. Nuclear Fusion, 2008, 48, 115003.	3.5	14
90	Pseudochaotic poloidal transport in the laminar regime of the resistive ballooning instabilities. Physics of Plasmas, 2008, 15, 042302.	1.9	6

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91	Quantifying Profile Stiffness. Plasma and Fusion Research, 2008, 3, S1070-S1070.	0.7	0
92	Overview of TJ-II experiments. Nuclear Fusion, 2007, 47, S677-S685.	3.5	9
93	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
94	Pulse propagation in a simple probabilistic transport model. Nuclear Fusion, 2007, 47, 189-195.	3.5	5
95	Fractional Generalization of Fickâ€™s Law: A Microscopic Approach. Physical Review Letters, 2007, 99, 230603.	7.8	23
96	Analysis of Magnetohydrodynamic Instabilities in TJ-II Plasmas. Fusion Science and Technology, 2007, 51, 20-30.	1.1	17
97	Renormalization of tracer turbulence leading to fractional differential equations. Physical Review E, 2006, 74, 016305.	2.1	43
98	Two-Dimensional Turbulence Analysis Using High-Speed Visible Imaging in TJ-II Edge Plasmas. Fusion Science and Technology, 2006, 50, 301-306.	1.1	6
99	Intermittency and structures in edge plasma turbulence. Comptes Rendus Physique, 2006, 7, 679-685.	0.9	14
100	Impact of different confinement regimes on the two-dimensional structure of edge turbulence. Plasma Physics and Controlled Fusion, 2006, 48, B465-B473.	2.1	43
101	On the use of critical gradient models in fusion plasma transport studies. Physics of Plasmas, 2006, 13, 062301.	1.9	9
102	Radial electric fields and confinement in the TJ-II stellarator. European Physical Journal D, 2005, 55, 317-339.	0.4	8
103	Overview of TJ-II experiments. Nuclear Fusion, 2005, 45, S266-S275.	3.5	37
104	Determination of long-range correlations by quiet-time statistics. Physics of Plasmas, 2005, 12, 052304.	1.9	3
105	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
106	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
107	Fluid limit of nonintegrable continuous-time random walks in terms of fractional differential equations. Physical Review E, 2005, 71, 011111.	2.1	44
108	The foundations of diffusion revisited. Plasma Physics and Controlled Fusion, 2005, 47, B743-B754.	2.1	25

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109	On the applicability of Fick's law to diffusion in inhomogeneous systems. European Journal of Physics, 2005, 26, 913-925.	0.6	84
110	Electron internal transport barrier formation and dynamics in the plasma core of the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2004, 46, 277-286.	2.1	51
111	Improved confinement regimes induced by limiter biasing in the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2004, 46, 287-297.	2.1	46
112	Uphill transport and the probabilistic transport model. Physics of Plasmas, 2004, 11, 3787-3794.	1.9	30
113	Melt extraction and accumulation from partially molten rocks. Lithos, 2004, 78, 25-42.	1.4	87
114	Probabilistic finite-size transport models for fusion: Anomalous transport and scaling laws. Physics of Plasmas, 2004, 11, 2272-2285.	1.9	72
115	Edge Turbulence During Limiter Biasing Experiments in the TJ-II Stellarator. European Physical Journal D, 2003, 53, 877-885.	0.4	3
116	Studies of fluctuations in the high-temperature plasma of modern stellarators by the microwave scattering technique. Plasma Physics Reports, 2003, 29, 363-379.	0.9	6
117	Plasma transport properties in the presence of MHD modes studied by ECE at TEXTOR. Nuclear Fusion, 2003, 43, 1424-1436.	3.5	17
118	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
119	Revision of TV Thomson scattering data analysis and detection of profile structure. Review of Scientific Instruments, 2003, 74, 3998-4011.	1.3	11
120	Overview of JET results. Nuclear Fusion, 2003, 43, 1540-1554.	3.5	38
121	Transport Properties in the TJ-II Flexible Heliac. AIP Conference Proceedings, 2003, , .	0.4	1
122	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
123	Confinement and stability on the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2002, 44, B307-B322.	2.1	30
124	Experimental investigation of dynamical coupling between density gradients, radial electric fields and turbulent transport in the JET plasma boundary region. Nuclear Fusion, 2002, 42, 1205-1209.	3.5	13
125	Empirical similarity in the probability density function of turbulent transport in the edge plasma region in fusion plasmas. Plasma Physics and Controlled Fusion, 2002, 44, 1557-1564.	2.1	44
126	Hillslope evolution by nonlinear creep and landsliding: An experimental study: Comment and Reply. Geology, 2002, 30, 481.	4.4	4

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127	Ballistic transport phenomena in TJ-II. Nuclear Fusion, 2002, 42, 787-795.	3.5	49
128	Overview of TJ-II flexible heliac results. Fusion Engineering and Design, 2001, 56-57, 145-154.	1.9	11
129	Density profile measurements by AM reflectometry in TJ-II. Plasma Physics and Controlled Fusion, 2001, 43, 1535-1545.	2.1	38
130	kspectra of Thomson scattering temperature profiles at the TJ-II stellarator. Nuclear Fusion, 2001, 41, 447-453.	3.5	8
131	On the radial scale of fluctuations in the TJ-II stellarator. Plasma Physics and Controlled Fusion, 2001, 43, A313-A321.	2.1	25
132	New experiment to model self-organized critical transport and accumulation of melt and hydrocarbons from their source rocks. Geology, 2001, 29, 919.	4.4	79
133	Review of confinement and transport studies in the TJ-II flexible heliac. Nuclear Fusion, 2001, 41, 1449-1457.	3.5	22
134	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
135	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
136	Generation of sheared poloidal flows via Reynolds stress and transport barrier physics. Plasma Physics and Controlled Fusion, 2000, 42, A153-A160.	2.1	71
137	Turbulent transport studies in the JET edge plasmas in limiter configuration. Plasma Physics and Controlled Fusion, 2000, 42, 389-400.	2.1	20
138	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
139	In Search of the Elusive Zonal Flow Using Cross-Bicoherence Analysis. Physical Review Letters, 2000, 84, 4842-4845.	7.8	126
140	Intermittency of plasma edge fluctuation data: Multifractal analysis. Physics of Plasmas, 2000, 7, 3278-3287.	1.9	68
141	Confinement studies in the TJ-II stellarator. Plasma Physics and Controlled Fusion, 1999, 41, B109-B117.	2.1	18
142	First plasmas in the TJ-II flexible Heliac. Plasma Physics and Controlled Fusion, 1999, 41, A539-A548.	2.1	109
143	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
144	Long-range time dependence in the cross-correlation function. Physics of Plasmas, 1999, 6, 485-494.	1.9	11

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145	Characterization of the frequency ranges of the plasma edge fluctuation spectra. Physics of Plasmas, 1999, 6, 4615-4621.	1.9	29
146	Experimental evidence of long-range correlations and self-similarity in plasma fluctuations. Physics of Plasmas, 1999, 6, 1885-1892.	1.9	57
147	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
148	Effect of unstable MHD modes on the confinement of a stellarator plasma. JETP Letters, 1999, 69, 441-447.	1.4	4
149	Observation of extended poloidal structures in the turbulent edge plasma of the L-2M stellarator. JETP Letters, 1998, 67, 662-667.	1.4	2
150	New experimental data on the possibility of influencing fluctuational particle fluxes in a L-2M stellarator edge plasma. JETP Letters, 1998, 68, 585-591.	1.4	0
151	Measurement of Fluctuation Induced Flow by Multiple Langmuir Probes in the TJ-IU Torsatron. Contributions To Plasma Physics, 1998, 38, 93-97.	1.1	5
152	Comments on "Accelerated learning algorithm for multilayer perceptrons: optimization layer by layer". IEEE Transactions on Neural Networks, 1998, 9, 339-341.	4.2	4
153	Self-similarity of the plasma edge fluctuations. Physics of Plasmas, 1998, 5, 3632-3643.	1.9	132
154	Long-Range Time Correlations in Plasma Edge Turbulence. Physical Review Letters, 1998, 80, 4438-4441.	7.8	143
155	Statistical properties and radial structure of plasma turbulence in the boundary region of the L2-M stellarator. Plasma Physics and Controlled Fusion, 1998, 40, 1241-1250.	2.1	22
156	Electron cyclotron heating and current drive in the TJ-II stellarator. Plasma Physics and Controlled Fusion, 1998, 40, 2113-2130.	2.1	37
157	Remote launching of plasma modes in the drift frequency range. Plasma Physics and Controlled Fusion, 1997, 39, 367-374.	2.1	2
158	Neural network tool for rapid recovery of plasma topology. Review of Scientific Instruments, 1997, 68, 931-934.	1.3	9
159	Statistically robust linear and nonlinear wavelet analysis applied to plasma edge turbulence. Review of Scientific Instruments, 1997, 68, 967-970.	1.3	44
160	Diagnostics for measuring equilibrium plasma Î² in stellarators. Fusion Engineering and Design, 1997, 34-35, 695-699.	1.9	1
161	Electron cyclotron emission calculations for TJ-II stellarator. Nuclear Fusion, 1996, 36, 283-293.	3.5	15
162	Fluctuationâ€induced flux at the plasma edge in toroidal devices. Physics of Plasmas, 1996, 3, 2664-2672.	1.9	139

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163	Measurements of plasma beta in stellarators. Nuclear Fusion, 1996, 36, 381-385.	3.5	3
164	Nonlinear Phenomena and Intermittency in Plasma Turbulence. Physical Review Letters, 1995, 74, 395-398.	7.8	142
165	Local plasma radiation loss rate determination in tokamaks and stellarators. Review of Scientific Instruments, 1995, 66, 552-554.	1.3	1
166	Nonlinear phenomena and plasma turbulence in fusion plasmas. Physica Scripta, 1995, 51, 624-626.	2.5	1
167	Neural Network Differential Equation and Plasma Equilibrium Solver. Physical Review Letters, 1995, 75, 3594-3597.	7.8	84
168	Wavelet bicoherence: A new turbulence analysis tool. Physics of Plasmas, 1995, 2, 3017-3032.	1.9	308
169	First Results of the TJ-I U Torsatron. Fusion Science and Technology, 1995, 27, 198-201.	0.6	5
170	Feedback Control of Turbulence. Applied Mechanics Reviews, 1994, 47, S3-S13.	10.1	113
171	Expansion of vacuum magnetic fields in toroidal harmonics. Computer Physics Communications, 1994, 81, 74-90.	7.5	20
172	Gradients of electron temperature and density across m = 2 magnetic islands in RTP. Nuclear Fusion, 1993, 33, 1119-1132.	3.5	22
173	Shear reversal and MHD activity during pellet enhanced performance pulses in JET. Nuclear Fusion, 1992, 32, 33-43.	3.5	189
174	Function parametrization: a fast inverse mapping method. Computer Physics Communications, 1991, 66, 243-258.	7.5	12
175	Application of function parametrization to the analysis of polarimetry and interferometry data in TEXTOR. Nuclear Fusion, 1991, 31, 309-318.	3.5	12
176	Exact relations between multipole moments of the flux and moments of the toroidal current density in tokamaks. Nuclear Fusion, 1990, 30, 157-160.	3.5	13
177	Topology of 2-D turbulent structures based on intermittence in the TJ-II stellarator. Nuclear Fusion, 0, , .	3.5	3