

Olivier Sauter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2442098/publications.pdf>

Version: 2024-02-01

342
papers

13,618
citations

36303

51
h-index

30087

103
g-index

345
all docs

345
docs citations

345
times ranked

6477
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics-based control of neoclassical tearing modes on TCV. Plasma Physics and Controlled Fusion, 2022, 64, 044008.	2.1	5
2	Healing plasma current ramp-up by nitrogen seeding in the full tungsten environment of WEST. Plasma Physics and Controlled Fusion, 2022, 64, 045016.	2.1	6
3	Full conversion from ohmic to runaway electron driven current via massive gas injection in the TCV tokamak. Nuclear Fusion, 2022, 62, 076038.	3.5	5
4	Magnetic control of tokamak plasmas through deep reinforcement learning. Nature, 2022, 602, 414-419.	27.8	244
5	Overview of the TCV tokamak experimental programme. Nuclear Fusion, 2022, 62, 042018.	3.5	30
6	Impact of the plasma operation on the technical requirements in EU-DEMO. Fusion Engineering and Design, 2022, 179, 113123.	1.9	8
7	Enhanced confinement in diverted negative-triangularity L-mode plasmas in TCV. Plasma Physics and Controlled Fusion, 2022, 64, 014004.	2.1	15
8	First-Principles Density Limit Scaling in Tokamaks Based on Edge Turbulent Transport and Implications for ITER. Physical Review Letters, 2022, 128, 185003.	7.8	19
9	A new set of analytical formulae for the computation of the bootstrap current and the neoclassical conductivity in tokamaks. Physics of Plasmas, 2021, 28, .	1.9	27
10	Nonlocal effects in negative triangularity TCV plasmas. Plasma Physics and Controlled Fusion, 2021, 63, 044001.	2.1	21
11	Rapid optimization of stationary tokamak plasmas in RAPTOR: demonstration for the ITER hybrid scenario with neural network surrogate transport model QLKN. Nuclear Fusion, 2021, 61, 086019.	3.5	10
12	Experimental investigation and gyrokinetic simulations of multi-scale electron heat transport in JET, AUG, TCV. Nuclear Fusion, 2021, 61, 116071.	3.5	4
13	Integrated Real-Time Supervisory Management for Off-Normal-Event Handling and Feedback Control of Tokamak Plasmas. IEEE Transactions on Nuclear Science, 2021, 68, 1855-1861.	2.0	6
14	Developments on actuator management, plasma state reconstruction, and control on ASDEX Upgrade. Fusion Engineering and Design, 2021, 171, 112563.	1.9	4
15	A brief history of negative triangularity tokamak plasmas. Reviews of Modern Plasma Physics, 2021, 5, 1.	4.1	21
16	Effects of collisionality and T_e/T_i on fluctuations in positive and negative I_T tokamak plasmas. Nuclear Fusion, 2020, 60, 016006.	3.5	12
17	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
18	Modeling ICRH and ICRH-NBI synergy in high power JET scenarios using European transport simulator (ETS). AIP Conference Proceedings, 2020, , .	0.4	3

#	ARTICLE	IF	CITATIONS
19	Progress Toward Interpretable Machine Learning-Based Disruption Predictors Across Tokamaks. Fusion Science and Technology, 2020, 76, 912-924.	1.1	25
20	Code Integration, Data Verification, and Models Validation Using the ITER Integrated Modeling and Analysis System (IMAS) in EUROfusion. Fusion Science and Technology, 2020, 76, 894-900.	1.1	8
21	First demonstration of real-time kinetic equilibrium reconstruction on TCV by coupling LIUQE and RAPTOR. Nuclear Fusion, 2020, 60, 066020.	3.5	18
22	Observation of Alfvén Eigenmodes driven by off-axis neutral beam injection in the TCV tokamak. Plasma Physics and Controlled Fusion, 2020, 62, 095017.	2.1	12
23	On the triggerless onset of 2/1 neoclassical tearing modes in TCV. Nuclear Fusion, 2020, 60, 026002.	3.5	3
24	DEMO physics challenges beyond ITER. Fusion Engineering and Design, 2020, 156, 111603.	1.9	40
25	The impact of anisotropy on ITER scenarios. Nuclear Fusion, 2020, 60, 112010.	3.5	7
26	Tracking of neoclassical tearing modes in TCV using the electron cyclotron emission diagnostics in quasi-in-line configuration. Fusion Engineering and Design, 2019, 146, 666-670.	1.9	1
27	Overview of physics studies on ASDEX Upgrade. Nuclear Fusion, 2019, 59, 112014.	3.5	38
28	Control of neoclassical tearing modes and integrated multi-actuator plasma control on TCV. Nuclear Fusion, 2019, 59, 076035.	3.5	15
29	Tokamak-agnostic actuator management for multi-task integrated control with application to TCV and ITER. Fusion Engineering and Design, 2019, 147, 111260.	1.9	12
30	Extension of the operating space of high- b_p fully non-inductive scenarios on TCV using neutral beam injection. Nuclear Fusion, 2019, 59, 096012.	3.5	5
31	Investigation of the role of electron temperature gradient modes in electron heat transport in TCV plasmas. Nuclear Fusion, 2019, 59, 126017.	3.5	5
32	Physics research on the TCV tokamak facility: from conventional to alternative scenarios and beyond. Nuclear Fusion, 2019, 59, 112023.	3.5	43
33	Cyrokinetic analysis of radial dependence and global effects on the zero particle flux condition in a TCV plasma. Plasma Physics and Controlled Fusion, 2019, 61, 064005.	2.1	8
34	Progress in disruption prevention for ITER. Nuclear Fusion, 2019, 59, 112012.	3.5	59
35	H-mode grade confinement in L-mode edge plasmas at negative triangularity on DIII-D. Physics of Plasmas, 2019, 26, .	1.9	38
36	On benchmarking of simulations of particle transport in ITER. Nuclear Fusion, 2019, 59, 076026.	3.5	9

#	ARTICLE	IF	CITATIONS
37	Optimal MSE polarisation angle and q-profile estimation using Kalman filters and the plasma simulator RAPTOR. Plasma Physics and Controlled Fusion, 2019, 61, 035011.	2.1	2
38	L-mode-edge negative triangularity tokamak reactor. Nuclear Fusion, 2019, 59, 056017.	3.5	45
39	Real-time plasma state monitoring and supervisory control on TCV. Nuclear Fusion, 2019, 59, 026017.	3.5	13
40	Nearing final design of the ITER EC H&CD Upper Launcher. Fusion Engineering and Design, 2019, 146, 23-26.	1.9	16
41	Global turbulence features across marginality and non-local pedestal-core interactions. Plasma Physics and Controlled Fusion, 2019, 61, 034003.	2.1	9
42	Pedestal structure and energy confinement studies on TCV. Plasma Physics and Controlled Fusion, 2019, 61, 014002.	2.1	19
43	Experimental validation of a Lyapunov-based controller for the plasma safety factor and plasma pressure in the TCV tokamak. Nuclear Fusion, 2018, 58, 056011.	3.5	20
44	Multi-machine analysis of termination scenarios with comparison to simulations of controlled shutdown of ITER discharges. Nuclear Fusion, 2018, 58, 026019.	3.5	20
45	The effect of triangularity on fluctuations in a tokamak plasma. Nuclear Fusion, 2018, 58, 024002.	3.5	41
46	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	26.7	808
47	Identifying microturbulence regimes in a TCV discharge making use of physical constraints on particle and heat fluxes. Physics of Plasmas, 2018, 25, .	1.9	15
48	Physics conditions for robust control of tearing modes in a rotating tokamak plasma. Plasma Physics and Controlled Fusion, 2018, 60, 014044.	2.1	5
49	Disruption avoidance through the prevention of NTM destabilization in TCV. Nuclear Fusion, 2018, 58, 106026.	3.5	12
50	Real-time-capable prediction of temperature and density profiles in a tokamak using RAPTOR and a first-principle-based transport model. Nuclear Fusion, 2018, 58, 096006.	3.5	41
51	Path-oriented early reaction to approaching disruptions in ASDEX Upgrade and TCV in view of the future needs for ITER and DEMO. Plasma Physics and Controlled Fusion, 2018, 60, 014047.	2.1	40
52	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
53	Plasma internal profile control using IDA-PBC: Application to TCV. Fusion Engineering and Design, 2017, 123, 624-627.	1.9	12
54	Neutral beam heating on the TCV tokamak. Fusion Engineering and Design, 2017, 123, 468-472.	1.9	34

#	ARTICLE	IF	CITATIONS
55	Distributed digital real-time control system for the TCV tokamak and its applications. Nuclear Fusion, 2017, 57, 056005.	3.5	14
56	Integration of the state observer RAPTOR in the real-time MARTE framework at RFX-mod. Fusion Engineering and Design, 2017, 123, 616-619.	1.9	6
57	Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution. Nuclear Fusion, 2017, 57, 102014.	3.5	23
58	Towards self-consistent plasma modelisation in presence of neoclassical tearing mode and sawteeth: effects on transport coefficients. Plasma Physics and Controlled Fusion, 2017, 59, 125012.	2.1	2
59	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. Astrophysical Journal, 2017, 841, 89.	4.5	52
60	Experiments on actuator management and integrated control at ASDEX Upgrade. Fusion Engineering and Design, 2017, 123, 603-606.	1.9	11
61	Fast-ion transport in low density L-mode plasmas at TCV using FIDA spectroscopy and the TRANSP code. Plasma Physics and Controlled Fusion, 2017, 59, 115002.	2.1	29
62	Simulation of profile evolution from ramp-up to ramp-down and optimization of tokamak plasma termination with the RAPTOR code. Plasma Physics and Controlled Fusion, 2017, 59, 124004.	2.1	20
63	Pedestal properties of H-modes with negative triangularity using the EPED-CH model. Plasma Physics and Controlled Fusion, 2017, 59, 104001.	2.1	31
64	Integration of a Real-Time Node for Magnetic Perturbations Signal Analysis in the Distributed Digital Control System of the TCV Tokamak. IEEE Transactions on Nuclear Science, 2017, 64, 1446-1454.	2.0	14
65	Profile control simulations and experiments on TCV: a controller test environment and results using a model-based predictive controller. Nuclear Fusion, 2017, 57, 126063.	3.5	28
66	Comment on "On the fusion triple product and fusion power gain of tokamak pilot plants and reactors", by A. Costley. Nuclear Fusion, 2017, 57, 038001.	3.5	4
67	Overview of the TCV tokamak program: scientific progress and facility upgrades. Nuclear Fusion, 2017, 57, 102011.	3.5	52
68	Saturated ideal kink/peeling formations described as three-dimensional magnetohydrodynamic tokamak equilibrium states. Physics of Plasmas, 2016, 23, 040701.	1.9	11
69	Characterization with microturbulence simulations of the zero particle flux condition in case of a TCV discharge showing toroidal rotation reversal. Journal of Physics: Conference Series, 2016, 775, 012007.	0.4	3
70	Simple predictive electron transport models applied to sawtooth plasmas. Plasma Physics and Controlled Fusion, 2016, 58, 055002.	2.1	4
71	Three-dimensional magnetohydrodynamic equilibrium of quiescent H-modes in tokamak systems. Plasma Physics and Controlled Fusion, 2016, 58, 064002.	2.1	7
72	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	4.0	225

#	ARTICLE	IF	CITATIONS
73	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	26.7	427
74	Comparison of methods for the detection of gravitational waves from unknown neutron stars. Physical Review D, 2016, 94, .	4.7	34
75	Role of infernal modes dynamics and plasma rotation on the onset of NTMs in ECH-ECCD TCV plasmas. Journal of Physics: Conference Series, 2016, 775, 012002.	0.4	2
76	Simulation of bootstrap current in 2D and 3D ideal magnetic fields in tokamaks. Nuclear Fusion, 2016, 56, 092004.	3.5	3
77	Linear multispecies gyrokinetic flux tube benchmarks in shaped tokamak plasmas. Physics of Plasmas, 2016, 23, 032104.	1.9	10
78	Geometric formulas for system codes including the effect of negative triangularity. Fusion Engineering and Design, 2016, 112, 633-645.	1.9	10
79	Computational challenges in magnetic-confinement fusion physics. Nature Physics, 2016, 12, 411-423.	16.7	54
80	Neoclassical toroidal torque generation by auxiliary heating in non-axisymmetric tori. Plasma Physics and Controlled Fusion, 2016, 58, 124003.	2.1	1
81	Modeling of neoclassical tearing mode stabilization by electron cyclotron heating and current drive in tokamak plasmas. Current Applied Physics, 2016, 16, 867-875.	2.4	3
82	A 3-D MHD equilibrium description of nonlinearly saturated ideal external kink/peeling structures in tokamaks. Journal of Plasma Physics, 2015, 81, .	2.1	6
83	Parameter estimation for a nonlinear control-oriented tokamak profile evolution model. Plasma Physics and Controlled Fusion, 2015, 57, 125008.	2.1	5
84	$\langle X \rangle$ -Point-Position-Dependent Intrinsic Toroidal Rotation in the Edge of the TCV Tokamak. Physical Review Letters, 2015, 114, 245001.	7.8	19
85	Status of Europe's contribution to the ITER EC system. EPJ Web of Conferences, 2015, 87, 04004.	0.3	5
86	Status of the benchmark activity of ICRF full-wave codes within EUROfusion WPCD and beyond. AIP Conference Proceedings, 2015, , .	0.4	7
87	Effects of central electron cyclotron power on plasma rotation and on triggerless onset of NTMs in the TCV tokamak. Nuclear Fusion, 2015, 55, 093031.	3.5	19
88	Design and first applications of the ITER integrated modelling & analysis suite. Nuclear Fusion, 2015, 55, 123006.	3.5	92
89	On the criteria guiding the design of the upper electron-cyclotron launcher for ITER. EPJ Web of Conferences, 2015, 87, 01008.	0.3	2
90	Assessment of the ITER EC Upper Launcher Performance. EPJ Web of Conferences, 2015, 87, 01011.	0.3	0

#	ARTICLE	IF	CITATIONS
91	Selected highlights of ECH/ECCD physics studies in the TCV tokamak. EPJ Web of Conferences, 2015, 87, 02002.	0.3	0
92	Demonstration of sawtooth period control with EC waves in KSTAR plasma. EPJ Web of Conferences, 2015, 87, 02016.	0.3	0
93	Free boundary equilibrium in 3D tokamaks with toroidal rotation. Nuclear Fusion, 2015, 55, 063032.	3.5	3
94	Simultaneous closed-loop control of the current profile and the electron temperature profile in the TCV tokamak. , 2015, , .		6
95	On recent results in the modelling of neoclassical-tearing-mode stabilization via electron cyclotron current drive and their impact on the design of the upper EC launcher for ITER. Nuclear Fusion, 2015, 55, 013023.	3.5	37
96	High density experiments in TCV ohmically heated and L-mode plasmas. Plasma Physics and Controlled Fusion, 2015, 57, 025002.	2.1	7
97	2014 Joint Varennaâ€“Lausanne International Workshop on the Theory of Fusion Plasmas (Varenna, Italy,) Tj ETQq _{1,1} 0.784314 rgBT (C)	2.1	0
98	Novel aspects of plasma control in ITER. Physics of Plasmas, 2015, 22, 021806.	1.9	45
99	X-point position dependence of edge intrinsic toroidal rotation on the Tokamak Å Configuration	1.9	12
100	Investigating profile stiffness and critical gradients in shaped TCV discharges using local gyrokinetic simulations of turbulent transport. Plasma Physics and Controlled Fusion, 2015, 57, 054010.	2.1	35
101	The negative triangularity tokamak: stability limits and prospects as a fusion energy system. Nuclear Fusion, 2015, 55, 063013.	3.5	53
102	Overview of the FTU results. Nuclear Fusion, 2015, 55, 104005.	3.5	10
103	Upgrade of the TCV tokamak, first phase: Neutral beam heating system. Fusion Engineering and Design, 2015, 96-97, 493-497.	1.9	16
104	On the non-stiffness of edge transport in L-mode tokamak plasmas. Physics of Plasmas, 2014, 21, .	1.9	48
105	Closed-loop control of the safety factor profile in the TCV tokamak. , 2014, , .		2
106	Real-time multi-EC-actuator MHD control on TCV. , 2014, , .		2
107	Plasma rotation and NTM onset driven by central EC deposition in TCV tokamak. , 2014, , .		1
108	ICRF-code benchmark activity in the framework of the European task-force on integrated Tokamak Modelling. , 2014, , .		7

#	ARTICLE	IF	CITATIONS
109	Development of real-time plasma analysis and control algorithms for the TCV tokamak using Simulink. Fusion Engineering and Design, 2014, 89, 165-176.	1.9	24
110	An approximate single fluid 3-dimensional magnetohydrodynamic equilibrium model with toroidal flow. Plasma Physics and Controlled Fusion, 2014, 56, 094004.	2.1	4
111	Real-time sawtooth control and neoclassical tearing mode preemption in ITER. Physics of Plasmas, 2014, 21, .	1.9	14
112	Progress of the ECRH Upper Launcher design for ITER. Fusion Engineering and Design, 2014, 89, 1669-1673.	1.9	28
113	Distributed digital real-time control system for TCV tokamak. Fusion Engineering and Design, 2014, 89, 155-164.	1.9	19
114	The European Integrated Tokamak Modelling (ITM) effort: achievements and first physics results. Nuclear Fusion, 2014, 54, 043018.	3.5	45
115	Turbulence and zonal flow structures in the core and L-mode pedestal of tokamak plasmas. Journal of Physics: Conference Series, 2014, 561, 012022.	0.4	5
116	Preliminary design of the ITER ECH Upper Launcher. Fusion Engineering and Design, 2013, 88, 2761-2766.	1.9	13
117	Indirect measurement of poloidal rotation using inboard-outboard asymmetry of toroidal rotation and comparison with neoclassical predictions. Nuclear Fusion, 2013, 53, 023002.	3.5	28
118	Real-time control of the period of individual ELMs by EC power on TCV. Nuclear Fusion, 2013, 53, 113018.	3.5	13
119	Non-linear magnetic perturbations during edge-localized modes in TCV dominated by low- n mode components. Nuclear Fusion, 2013, 53, 113004.	3.5	18
120	On the physics guidelines for a tokamak DEMO. Nuclear Fusion, 2013, 53, 073019.	3.5	192
121	Tokamak coordinate conventions:. Computer Physics Communications, 2013, 184, 293-302.	7.5	24
122	Bifurcated helical core equilibrium states in tokamaks. Nuclear Fusion, 2013, 53, 073021.	3.5	26
123	Fast seeding of NTMs by sawtooth crashes in TCV and their preemption using ECRH. Nuclear Fusion, 2013, 53, 113026.	3.5	25
124	Power requirements for electron cyclotron current drive and ion cyclotron resonance heating for sawtooth control in ITER. Nuclear Fusion, 2013, 53, 066001.	3.5	17
125	2012 Joint Varenna-Lausanne International Workshop on the theory of fusion plasmas (Varenna, Italy), Tj ETQq1,1 0.784314 rgBT 0	2.1	14
126	Global and local gyrokinetic simulations of high-performance discharges in view of ITER. Nuclear Fusion, 2013, 53, 073003.	3.5	20

#	ARTICLE	IF	CITATIONS
127	Magnetohydrodynamic helical structures in nominally axisymmetric low-shear tokamak plasmas. Plasma Physics and Controlled Fusion, 2013, 55, 014005.	2.1	7
128	Numerical analysis of JET discharges with the European Transport Simulator. Nuclear Fusion, 2013, 53, 123007.	3.5	26
129	Dependence of L-mode confinement on the electron cyclotron power deposition profile in the TCV tokamak. Plasma Physics and Controlled Fusion, 2012, 54, 015011.	2.1	8
130	Edge-localized mode control by electron cyclotron waves in a tokamak plasma. Nuclear Fusion, 2012, 52, 032004.	3.5	28
131	Understanding the core density profile in TCV H-mode plasmas. Plasma Physics and Controlled Fusion, 2012, 54, 085018.	2.1	6
132	Demonstration of sawtooth period locking with power modulation in TCV plasmas. Nuclear Fusion, 2012, 52, 062002.	3.5	31
133	Integrated real-time control of MHD instabilities using multi-beam ECRH/ECCD systems on TCV. Nuclear Fusion, 2012, 52, 074001.	3.5	51
134	Electron temperature and density profile evolution during the edge-localized mode cycle in ohmic and electron cyclotron-heated H-mode plasmas in TCV. Plasma Physics and Controlled Fusion, 2012, 54, 015007.	2.1	5
135	Evidence of Neoclassical Toroidal Viscosity on the Neoclassical Tearing Modes in TCV tokamak. Journal of Physics: Conference Series, 2012, 401, 012017.	0.4	4
136	Interpretation of the effects of electron cyclotron power absorption in pre-disruptive tokamak discharges in ASDEX Upgrade. Physics of Plasmas, 2012, 19, 092508.	1.9	3
137	Recent TCV Results - Innovative Plasma Shaping to Improve Plasma Properties and Insight. Plasma and Fusion Research, 2012, 7, 2502148-2502148.	0.7	30
138	A new mechanism for sawtooth period control. EPJ Web of Conferences, 2012, 32, 02008.	0.3	0
139	Vertical Electron Cyclotron Emission Diagnostic for TCV Plasmas. EPJ Web of Conferences, 2012, 32, 03011.	0.3	4
140	Real-time control of multiple MHD instabilities on TCV by ECRH/ECCD. EPJ Web of Conferences, 2012, 32, 02005.	0.3	7
141	Non-linear model-based optimization of actuator trajectories for tokamak plasma profile control. Plasma Physics and Controlled Fusion, 2012, 54, 025002.	2.1	65
142	Real-time physics-model-based simulation of the current density profile in tokamak plasmas. Nuclear Fusion, 2011, 51, 083052.	3.5	109
143	Overview of the ITER EC H&CD system and its capabilities. Fusion Engineering and Design, 2011, 86, 951-954.	1.9	82
144	A scoping study of the application of neutral beam heating on the TCV tokamak. Fusion Engineering and Design, 2011, 86, 868-871.	1.9	15

#	ARTICLE	IF	CITATIONS
145	Individual Sawtooth Pacing by Synchronized ECCD in TCV. AIP Conference Proceedings, 2011, , .	0.4	2
146	Recent Advances in Sawtooth Control. Fusion Science and Technology, 2011, 59, 539-548.	1.1	11
147	Sawtooth Pacing by Real-Time Auxiliary Power Control in a Tokamak Plasma. Physical Review Letters, 2011, 106, 245002.	7.8	58
148	Helical ITER hybrid scenario equilibria. Plasma Physics and Controlled Fusion, 2011, 53, 024002.	2.1	17
149	Non-linear gyrokinetic simulations of microturbulence in TCV electron internal transport barriers. Plasma Physics and Controlled Fusion, 2011, 53, 054011.	2.1	13
150	Helical core tokamak MHD equilibrium states. Plasma Physics and Controlled Fusion, 2011, 53, 124005.	2.1	7
151	Sawtooth control in ITER using ion cyclotron resonance heating. Plasma Physics and Controlled Fusion, 2011, 53, 124003.	2.1	7
152	JET snake magnetohydrodynamic equilibria. Nuclear Fusion, 2011, 51, 072002.	3.5	25
153	Magnetohydrodynamic properties of nominally axisymmetric systems with 3D helical core. Plasma Physics and Controlled Fusion, 2011, 53, 074008.	2.1	13
154	Magnetohydrodynamic equilibrium and the stability of tokamak and reversed-field pinch systems with 3D helical cores. Plasma Physics and Controlled Fusion, 2011, 53, 084001.	2.1	2
155	Theory of fusion plasmas: selected papers from the Joint Varennaâ€“Lausanne International Workshop. Plasma Physics and Controlled Fusion, 2011, 53, 050201-050201.	2.1	0
156	Flux- and gradient-driven global gyrokinetic simulation of tokamak turbulence. Physics of Plasmas, 2011, 18, .	1.9	50
157	THE ITER EC H&CD SYSTEM. , 2011, , .		0
158	OBLIQUE AND CORRELATION ECE IN TCV. , 2011, , .		0
159	Global collisional gyrokinetic simulations of ITC microturbulence starting from a neoclassical equilibrium. Journal of Physics: Conference Series, 2010, 260, 012021.	0.4	2
160	On the effects of the equilibrium model in gyrokinetic simulations: from s- \hat{I}_z to diverted MHD equilibrium. Journal of Physics: Conference Series, 2010, 260, 012006.	0.4	15
161	Edge Stability and Pedestal Profile Sensitivity of Snowflake Diverted Equilibria in the TCV Tokamak. Contributions To Plasma Physics, 2010, 50, 324-330.	1.1	15
162	A generic data structure for integrated modelling of tokamak physics and subsystems. Computer Physics Communications, 2010, 181, 987-998.	7.5	46

#	ARTICLE	IF	CITATIONS
163	Feedback control of ECRH polarization on LHD. Nuclear Fusion, 2010, 50, 105003.	3.5	8
164	The role of ion and electron electrostatic turbulence in characterizing stationary particle transport in the core of tokamak plasmas. Plasma Physics and Controlled Fusion, 2010, 52, 015007.	2.1	94
165	Snowflake divertor experiments on TCV. Plasma Physics and Controlled Fusion, 2010, 52, 124010.	2.1	20
166	On the heating mix of ITER. Plasma Physics and Controlled Fusion, 2010, 52, 124044.	2.1	40
167	Empirical scaling of sawtooth period for onset of neoclassical tearing modes. Nuclear Fusion, 2010, 50, 102001.	3.5	39
168	“Snowflake” H Mode in a Tokamak Plasma. Physical Review Letters, 2010, 105, 155003.	7.8	49
169	Experimental Evidence of Momentum Transport Induced by an Up-Down Asymmetric Magnetic Equilibrium in Toroidal Plasmas. Physical Review Letters, 2010, 105, 135003.	7.8	36
170	Experimental demonstration of an up-down asymmetry effect on intrinsic rotation in the TCV tokamak. Plasma Physics and Controlled Fusion, 2010, 52, 124037.	2.1	20
171	Tokamak Magnetohydrodynamic Equilibrium States with Axisymmetric Boundary and a 3D Helical Core. Physical Review Letters, 2010, 105, 035003.	7.8	66
172	On the requirements to control neoclassical tearing modes in burning plasmas. Plasma Physics and Controlled Fusion, 2010, 52, 025002.	2.1	92
173	Snowflake divertor plasmas on TCV. Plasma Physics and Controlled Fusion, 2009, 51, 055009.	2.1	97
174	Real-time feedback control of millimeter-wave polarization for LHD. Review of Scientific Instruments, 2009, 80, 013504.	1.3	15
175	An overview of the ITER electron cyclotron H&CD system. , 2009, , .		1
176	Bootstrap current calculations with the SPBSC and the VENUS+Ńcodes for the Large Helical Device. Nuclear Fusion, 2009, 49, 075013.	3.5	3
177	Current density evolution in electron internal transport barrier discharges in TCV. Plasma Physics and Controlled Fusion, 2009, 51, 015002.	2.1	12
178	Integrated scenario with type-III ELMy H-mode edge: extrapolation to ITER. Nuclear Fusion, 2009, 49, 095012.	3.5	36
179	Activities on Realization of High-Power and Steady-State ECRH System and Achievement of High Performance Plasmas in LHD. , 2009, , .		1
180	ECRH System For ITER. , 2009, , .		6

#	ARTICLE	IF	CITATIONS
181	Modulation of electron transport during swing ECCD discharges in TCV. Plasma Physics and Controlled Fusion, 2009, 51, 125009.	2.1	2
182	Conceptual design of the ECH upper launcher system for ITER. Fusion Engineering and Design, 2009, 84, 284-289.	1.9	15
183	The effect of plasma triangularity on turbulent transport: modeling TCV experiments by linear and non-linear gyrokinetic simulations. Plasma Physics and Controlled Fusion, 2009, 51, 055016.	2.1	61
184	A REVISED ITER EC SYSTEM BASELINE DESIGN PROPOSAL. , 2009, , .		2
185	Overview of the ITER EC upper launcher. Nuclear Fusion, 2008, 48, 054013.	3.5	93
186	Physics analysis of the ITER ECW system for optimized performance. Nuclear Fusion, 2008, 48, 054012.	3.5	33
187	Spontaneous L-mode plasma rotation scaling in the TCV tokamak. Physics of Plasmas, 2008, 15, 056113.	1.9	78
188	MHD as trigger of electron temperature oscillations in ECCD discharges in TCV. Plasma Physics and Controlled Fusion, 2008, 50, 065010.	2.1	9
189	Hybrid H-mode scenario with nitrogen seeding and type III ELMs in JET. Plasma Physics and Controlled Fusion, 2008, 50, 115012.	2.1	12
190	Gyrokinetic calculations of steady-state particle transport in electron internal transport barriers. Plasma Physics and Controlled Fusion, 2008, 50, 115005.	2.1	24
191	Safety-factor profile tailoring by improved electron cyclotron system for sawtooth control and reverse shear scenarios in ITER. , 2008, , .		9
192	Gyrokinetic simulations of neoclassical transport using a minimal collision operator. , 2008, , .		0
193	The effect of MHD noise on the vertical observer in tokamaks. Plasma Physics and Controlled Fusion, 2008, 50, 035012.	2.1	3
194	Global plasma oscillations in electron internal transport barriers in TCV. Plasma Physics and Controlled Fusion, 2008, 50, 124052.	2.1	6
195	Electron thermal transport analysis in Tokamak \tilde{A} Configuration Variable. Physics of Plasmas, 2008, 15, 082317.	1.9	9
196	The role of MHD in the sustainment of electron internal transport barriers and H-mode in TCV. Journal of Physics: Conference Series, 2008, 123, 012038.	0.4	3
197	Handling Technology of Mega-Watt Millimeter-Waves For Optimized Heating of Fusion Plasmas. Journal of Microwave Power and Electromagnetic Energy, 2008, 43, 60-70.	0.8	12
198	First Measurements of Oblique ECE with a Real-Time Movable Line of Sight on TCV. Fusion Science and Technology, 2008, 53, 196-207.	1.1	10

#	ARTICLE	IF	CITATIONS
199	The Enhanced Performance Launcher Design For The ITER Upper Port ECH Antenna. AIP Conference Proceedings, 2007, , .	0.4	1
200	Modification of Sawtooth Oscillations with ICRF Waves in the JET Tokamak. AIP Conference Proceedings, 2007, , .	0.4	0
201	The physics of electron internal transport barriers in the TCV tokamak. Nuclear Fusion, 2007, 47, 714-720.	3.5	12
202	Current profile tailoring using localized electron cyclotron heating in highly elongated TCV plasmas. Nuclear Fusion, 2007, 47, 586-598.	3.5	18
203	Impact of plasma triangularity and collisionality on electron heat transport in TCV L-mode plasmas. Nuclear Fusion, 2007, 47, 510-516.	3.5	105
204	Recent Electron Cyclotron Emission Results on TCV. Fusion Science and Technology, 2007, 52, 161-168.	1.1	13
205	Chapter 3: MHD stability, operational limits and disruptions. Nuclear Fusion, 2007, 47, S128-S202.	3.5	951
206	A global collisionless PIC code in magnetic coordinates. Computer Physics Communications, 2007, 177, 409-425.	7.5	185
207	EU developments of the ITER ECRH system. Fusion Engineering and Design, 2007, 82, 454-462.	1.9	33
208	On ion cyclotron current drive for sawtooth control. Nuclear Fusion, 2006, 46, S951-S964.	3.5	33
209	On the definition of a kinetic equilibrium in global gyrokinetic simulations. Physics of Plasmas, 2006, 13, 052304.	1.9	47
210	PIC simulations of microturbulence in the presence of a magnetic island. AIP Conference Proceedings, 2006, , .	0.4	0
211	Theoretical study of particle transport in electron internal transport barriers in TCV. AIP Conference Proceedings, 2006, , .	0.4	2
212	On the ECCD current density profile with particle diffusion in eITBs and its impact on the q-profile. AIP Conference Proceedings, 2006, , .	0.4	2
213	Ion and Electron Dynamics in Nonlinear PIC Simulations. AIP Conference Proceedings, 2006, , .	0.4	1
214	A drift-kinetic Semi-Lagrangian 4D code for ion turbulence simulation. Journal of Computational Physics, 2006, 217, 395-423.	3.8	145
215	Effects of plasma current on nonlinear interactions of ITG turbulence, zonal flows and geodesic acoustic modes. Plasma Physics and Controlled Fusion, 2006, 48, 557-571.	2.1	33
216	Linear stability analysis of microinstabilities in electron internal transport barrier non-inductive discharges. Plasma Physics and Controlled Fusion, 2006, 48, 215-233.	2.1	27

#	ARTICLE	IF	CITATIONS
217	Inward thermodiffusive particle pinch in electron internal transport barriers in TCV. Plasma Physics and Controlled Fusion, 2006, 48, 1271-1283.	2.1	17
218	Sawtooth behaviour in highly elongated TCV plasmas. Plasma Physics and Controlled Fusion, 2006, 48, 1621-1632.	2.1	26
219	Edge kink/ballooning mode stability in tokamaks with separatrix. Plasma Physics and Controlled Fusion, 2006, 48, 927-938.	2.1	35
220	The Front Steering Launcher Design for the ITER ECRH Upper Port. Journal of Physics: Conference Series, 2005, 25, 143-150.	0.4	40
221	Control of the eITB formation and performance in fully non-inductively sustained ECCD discharges in TCV. AIP Conference Proceedings, 2005, , .	0.4	0
222	The Physics Performance Of The Front Steering Launcher For The ITER ECRH Upper Port. AIP Conference Proceedings, 2005, , .	0.4	0
223	Safety factor profile requirements for electron ITB formation in TCV. Plasma Physics and Controlled Fusion, 2005, 47, B107-B120.	2.1	22
224	Electron heat transport in shaped TCV L-mode plasmas. Plasma Physics and Controlled Fusion, 2005, 47, 1971-1987.	2.1	29
225	Active control of MHD instabilities by ECCD in ASDEX Upgrade. Nuclear Fusion, 2005, 45, 1369-1376.	3.5	40
226	Rapid electron internal transport barrier formation during magnetic shear reversal in fully non-inductive TCV discharges. Nuclear Fusion, 2005, 45, 1642-1649.	3.5	3
227	High-bootstrap, noninductively sustained electron internal transport barriers in the Tokamak Å Configuration Variable. Physics of Plasmas, 2005, 12, 056124.	1.9	16
228	The Design and Physics Performance of the ITER Upper Port ECH Front Steering Launcher. , 2005, , .		0
229	Fine-scale Structures and Negative-density Regions: Comparison of Numerical Methods for Solving the Advection Equation. Transport Theory and Statistical Physics, 2005, 34, 261-274.	0.4	2
230	The stability of the ideal internal kink mode in realistic tokamak geometry. Plasma Physics and Controlled Fusion, 2005, 47, 1743-1762.	2.1	28
231	Sawtooth control in fusion plasmas. Plasma Physics and Controlled Fusion, 2005, 47, B121-B133.	2.1	44
232	Inductive Current Density Perturbations to Probe Electron Internal Transport Barriers in Tokamaks. Physical Review Letters, 2005, 94, 105002.	7.8	37
233	Influence of non-Maxwellian velocity distributions during ECRH and ECCD on electron temperature measurements by Thomson scattering. Plasma Physics and Controlled Fusion, 2005, 47, 1539-1558.	2.1	11
234	Hybrid advanced scenarios: perspectives for ITER and new experiments with dominant RF heating. Plasma Physics and Controlled Fusion, 2004, 46, B435-B447.	2.1	46

#	ARTICLE	IF	CITATIONS
235	Status of and prospects for advanced tokamak regimes from multi-machine comparisons using the International Tokamak Physics Activity database. Plasma Physics and Controlled Fusion, 2004, 46, A19-A34.	2.1	31
236	Density peaking in low collisionality ELMy H-mode in JET. Plasma Physics and Controlled Fusion, 2004, 46, 1877-1889.	2.1	38
237	Stability at high performance in the MAST spherical tokamak. Nuclear Fusion, 2004, 44, 1027-1035.	3.5	30
238	On the form of NTM onset scalings. Nuclear Fusion, 2004, 44, 678-685.	3.5	34
239	Comparison of $m=2, n=1$ neo-classical tearing mode limits in JET and DIII-D. Nuclear Fusion, 2004, 44, 788-794.	3.5	36
240	Control of electron internal transport barriers in TCV. Plasma Physics and Controlled Fusion, 2004, 46, A275-A284.	2.1	20
241	Rapid and Localized Electron Internal-Transport-Barrier Formation During Shear Inversion in Fully Noninductive TCV Discharges. Physical Review Letters, 2004, 93, 215001.	7.8	29
242	Studies of burning plasma physics in the Joint European Torus. Physics of Plasmas, 2004, 11, 2607-2615.	1.9	19
243	On the contribution of local current density to neoclassical tearing mode stabilization. Physics of Plasmas, 2004, 11, 4808-4813.	1.9	42
244	Destabilization of Fast-Ion-Induced Long Sawteeth by Localized Current Drive in the JET Tokamak. Physical Review Letters, 2004, 92, 235004.	7.8	45
245	Full radius linear and nonlinear gyrokinetic simulations for tokamaks and stellarators: zonal flows, applied $E \times B$ flows, trapped electrons and finite beta. Nuclear Fusion, 2004, 44, 172-180.	3.5	60
246	A semi-Lagrangian code for nonlinear global simulations of electrostatic drift-kinetic ITG modes. Computer Physics Communications, 2004, 163, 1-21.	7.5	17
247	Simulations of global electrostatic microinstabilities in ASDEX Upgrade discharges. Physics of Plasmas, 2004, 11, 198-206.	1.9	32
248	Towards the realization on JET of an integrated H-mode scenario for ITER. Nuclear Fusion, 2004, 44, 124-133.	3.5	45
249	First principles based simulations of instabilities and turbulence. Plasma Physics and Controlled Fusion, 2004, 46, B51-B62.	2.1	27
250	Application of ICRF waves in tokamaks beyond heating. Plasma Physics and Controlled Fusion, 2003, 45, A445-A456.	2.1	25
251	Integrated scenario in JET using real-time profile control. Plasma Physics and Controlled Fusion, 2003, 45, A367-A383.	2.1	55
252	Onset of neoclassical tearing modes on JET. Nuclear Fusion, 2003, 43, 69-83.	3.5	69

#	ARTICLE	IF	CITATIONS
253	An overview of results from the TCV tokamak. Nuclear Fusion, 2003, 43, 1619-1631.	3.5	25
254	Scaling of the marginal $\hat{\rho}$ of neoclassical tearing modes during power ramp-down experiments in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2003, 45, 1369-1384.	2.1	17
255	Recent results from the electron cyclotron heated plasmas in Tokamak \hat{A} Configuration Variable (TCV). Physics of Plasmas, 2003, 10, 1796-1802.	1.9	26
256	The internal kink mode in an anisotropic flowing plasma with application to modeling neutral beam injected sawtooth discharges. Physics of Plasmas, 2003, 10, 1034-1047.	1.9	38
257	Physics Studies with ECH/CD in the TCV Tokamak. AIP Conference Proceedings, 2003, , .	0.4	2
258	Study of nonlinear mode coupling during neoclassical tearing modes using bispectrum analysis. Plasma Physics and Controlled Fusion, 2003, 45, 369-378.	2.1	27
259	Neoclassical tearing modes on ASDEX Upgrade: improved scaling laws, high confinement at high \hat{N} and new stabilization experiments. Nuclear Fusion, 2003, 43, 161-167.	3.5	25
260	Overview of recent experimental results on MAST. Nuclear Fusion, 2003, 43, 1665-1673.	3.5	57
261	Effects of localized electron heating and current drive on the sawtooth period. Nuclear Fusion, 2003, 43, 455-468.	3.5	122
262	Experimental test of damping models for $\hat{1}$ toroidal Alfvén eigenmodes in JET. Nuclear Fusion, 2003, 43, 479-482.	3.5	25
263	Heating, current drive and energetic particle studies on JET in preparation of ITER operation. Nuclear Fusion, 2003, 43, 202-209.	3.5	11
264	Electron cyclotron current drive and suprathreshold electron dynamics in the TCV tokamak. Nuclear Fusion, 2003, 43, 1361-1370.	3.5	42
265	Edge localized modes in DIII-D high performance discharges. Plasma Physics and Controlled Fusion, 2003, 45, 1845-1872.	2.1	10
266	Accessibility and properties of ELMy H-mode and ITB plasmas in TCV. Plasma Physics and Controlled Fusion, 2003, 45, A351-A365.	2.1	13
267	Overview of ASDEX Upgrade results. Nuclear Fusion, 2003, 43, 1570-1582.	3.5	20
268	Modelling of the electron cyclotron current drive experiments in the TCV tokamak. Nuclear Fusion, 2003, 43, 1343-1352.	3.5	35
269	High density, high performance high-confinement-mode plasmas in the Joint European Torus (JET). Physics of Plasmas, 2002, 9, 2103-2112.	1.9	12
270	Radial electric fields and global electrostatic microinstabilities in tokamaks and stellarators. Physics of Plasmas, 2002, 9, 2684-2691.	1.9	19

#	ARTICLE	IF	CITATIONS
271	From Current-Driven to Neoclassically Driven Tearing Modes. Physical Review Letters, 2002, 88, 105005.	7.8	61
272	Neoclassical Tearing Physics in the Spherical Tokamak MAST. Physical Review Letters, 2002, 88, 125005.	7.8	38
273	Radial Transport and Electron-Cyclotron-Current Drive in the TCV and DIII-D Tokamaks. Physical Review Letters, 2002, 88, 205001.	7.8	59
274	Error field locked modes thresholds in rotating plasmas, anomalous braking and spin-up. Physics of Plasmas, 2002, 9, 3906-3918.	1.9	92
275	Full absorption of third harmonic ECH in TCV tokamak plasmas in the presence of second harmonic ECCD. Nuclear Fusion, 2002, 42, 42-45.	3.5	33
276	Neutral beam stabilization of sawtooth oscillations in JET. Plasma Physics and Controlled Fusion, 2002, 44, 205-222.	2.1	45
277	ELM moderation with ICRF heating on JET. Plasma Physics and Controlled Fusion, 2002, 44, 1937-1952.	2.1	5
278	Shape dependence of sawtooth inversion radii and profile peaking factors in TCV L mode plasmas. Nuclear Fusion, 2002, 42, 136-142.	3.5	29
279	Extension of the TCV operating space towards higher elongation and higher normalized current. Nuclear Fusion, 2002, 42, 743-749.	3.5	11
280	Overview of results and possibilities for fast particle research on JET. Nuclear Fusion, 2002, 42, 1014-1028.	3.5	8
281	ECH physics and new operational regimes on TCV. Plasma Physics and Controlled Fusion, 2002, 44, B85-B97.	2.1	5
282	Control of sawteeth and triggering of NTMs with ion cyclotron resonance frequency waves in JET. Nuclear Fusion, 2002, 42, 1324-1334.	3.5	40
283	Long timescale density peaking in JET. Plasma Physics and Controlled Fusion, 2002, 44, 1911-1917.	2.1	47
284	Effect of ELMs on the measurement of vertical plasma position in TCV and JET. Nuclear Fusion, 2002, 42, 59-65.	3.5	9
285	Marginal \hat{A} -limit for neoclassical tearing modes in JET H-mode discharges. Plasma Physics and Controlled Fusion, 2002, 44, 1999-2019.	2.1	81
286	The role of radial electric fields in linear and nonlinear gyrokinetic full radius simulations. New Journal of Physics, 2002, 4, 29-29.	2.9	6
287	Control of Neoclassical Tearing Modes by Sawtooth Control. Physical Review Letters, 2002, 88, 105001.	7.8	217
288	Analysis of ion cyclotron heating and current drive at $\omega \approx 2\omega_{cH}$ for sawtooth control in JET plasmas*. Plasma Physics and Controlled Fusion, 2002, 44, 1521-1542.	2.1	24

#	ARTICLE	IF	CITATIONS
289	Plasma shape effects on sawtooth/internal kink stability and plasma shaping using electron cyclotron wave current profile tailoring in TCV. Nuclear Fusion, 2001, 41, 1663-1669.	3.5	13
290	Sawtooth and Neoclassical Tearing Mode seed island control by ICRF current drive on JET. AIP Conference Proceedings, 2001, . .	0.4	2
291	Poloidally asymmetric plasma response with ECH deposition near $q=1$ in TCV. Fusion Engineering and Design, 2001, 53, 241-248.	1.9	30
292	Sustained fully non-inductive scenarios using pressure and current profile control with ECCD. Fusion Engineering and Design, 2001, 53, 289-299.	1.9	6
293	Modelling of macroscopic magnetic islands in tokamaks. Nuclear Fusion, 2001, 41, 1207-1218.	3.5	5
294	Overview of TCV results. Nuclear Fusion, 2001, 41, 1459-1472.	3.5	3
295	Stability and energy confinement of highly elongated plasmas in TCV. Plasma Physics and Controlled Fusion, 2001, 43, A161-A173.	2.1	18
296	Recent progress on JET towards the ITER reference mode of operation at high density. Plasma Physics and Controlled Fusion, 2001, 43, A11-A30.	2.1	51
297	Steady-state fully noninductive operation with electron cyclotron current drive and current profile control in the tokamak \tilde{A} configuration variable (TCV). Physics of Plasmas, 2001, 8, 2199-2207.	1.9	40
298	Long-Pulse Improved Central Electron Confinement in the TCV Tokamak with Electron Cyclotron Heating and Current Drive. Physical Review Letters, 2001, 86, 1530-1533.	7.8	54
299	Considerations on energy confinement time scalings using present tokamak databases and prediction for ITER size experiments. Nuclear Fusion, 2000, 40, 955-964.	3.5	7
300	Model for humpback relaxation oscillations. Nuclear Fusion, 2000, 40, 1691-1695.	3.5	7
301	Central electron temperature enhancements due to sawtooth stabilization during counter electron cyclotron current drive in Tokamak \tilde{A} Configuration Variable. Physics of Plasmas, 2000, 7, 2909-2914.	1.9	13
302	Steady-State Fully Noninductive Current Driven by Electron Cyclotron Waves in a Magnetically Confined Plasma. Physical Review Letters, 2000, 84, 3322-3325.	7.8	102
303	Neoclassical transport coefficients for general axisymmetric equilibria in the banana regime. Physics of Plasmas, 2000, 7, 1224-1234.	1.9	38
304	Neoclassical tearing modes. Plasma Physics and Controlled Fusion, 2000, 42, B61-B73.	2.1	101
305	High-power ECH and fully non-inductive operation with ECCD in the TCV tokamak. Plasma Physics and Controlled Fusion, 2000, 42, B311-B321.	2.1	43
306	Effect of triangular and elongated plasma shape on the sawtooth stability. Plasma Physics and Controlled Fusion, 2000, 42, 629-639.	2.1	40

#	ARTICLE	IF	CITATIONS
307	Current drive due to localized electron cyclotron power deposition in DIII-D. , 1999, , .		0
308	Behaviour of central plasma relaxation oscillations during localized electron cyclotron heating on the TCV tokamak. Nuclear Fusion, 1999, 39, 587-611.	3.5	50
309	Energy confinement and MHD activity in shaped TCV plasmas with localized electron cyclotron heating. Nuclear Fusion, 1999, 39, 1807-1818.	3.5	60
310	â€œProfile consistencyâ€•features in strongly shaped Ohmic tokamak plasmas. Physics of Plasmas, 1999, 6, 1-4.	1.9	13
311	Neoclassical conductivity and bootstrap current formulas for general axisymmetric equilibria and arbitrary collisionality regime. Physics of Plasmas, 1999, 6, 2834-2839.	1.9	703
312	Finite element approach to global gyrokinetic Particle-In-Cell simulations using magnetic coordinates. Computer Physics Communications, 1998, 111, 27-47.	7.5	67
313	Threshold for metastable tearing modes in DIII-D. Nuclear Fusion, 1998, 38, 987-999.	3.5	69
314	'Profile consistency' features in shaped sawtoothed ohmic TCV plasmas. Plasma Physics and Controlled Fusion, 1998, 40, 1803-1818.	2.1	15
315	Coupling of ion Bernstein waves to tokamak plasmas by waveguide antennas. Nuclear Fusion, 1998, 38, 31-38.	3.5	8
316	Experimental and Theoretical Stability Limits of Highly Elongated Tokamak Plasmas. Physical Review Letters, 1998, 81, 2918-2921.	7.8	32
317	Beta limits in long-pulse tokamak discharges. Physics of Plasmas, 1997, 4, 1654-1664.	1.9	423
318	Stable equilibria for bootstrap-current-driven low aspect ratio tokamaks. Physics of Plasmas, 1997, 4, 1062-1068.	1.9	138
319	ITER physics program and implications for plasma measurements. Review of Scientific Instruments, 1997, 68, 1250-1255.	1.3	8
320	Effect of plasma shape on confinement and MHD behaviour in TCV. Plasma Physics and Controlled Fusion, 1997, 39, B135-B144.	2.1	15
321	Role of plasma edge in the direct launch Ion Bernstein Wave experiment in TFTR. , 1997, , .		1
322	Ohmic H-modes in the TCV tokamak. Plasma Physics and Controlled Fusion, 1996, 38, 1137-1148.	2.1	26
323	The CHEASE code for toroidal MHD equilibria. Computer Physics Communications, 1996, 97, 219-260.	7.5	314
324	Resistive Interchange Modes in Negative Central Shear Tokamaks with Peaked Pressure Profiles. Physical Review Letters, 1996, 77, 2710-2713.	7.8	78

#	ARTICLE	IF	CITATIONS
325	Kinetic modeling of scrape-off layer plasmas. <i>Physics of Plasmas</i> , 1996, 3, 3644-3652.	1.9	17
326	Measurement of the optical depth at the third electron cyclotron harmonic in Tore Supra. <i>Nuclear Fusion</i> , 1996, 36, 237-241.	3.5	9
327	Recent results from the TCV tokamak. <i>European Physical Journal D</i> , 1995, 45, 1095-1110.	0.4	2
328	Wall Stabilization of High Beta Tokamak Discharges in DIII-D. <i>Physical Review Letters</i> , 1995, 74, 2483-2486.	7.8	285
329	Ohmic H-mode and confinement in TCV. <i>Plasma Physics and Controlled Fusion</i> , 1995, 37, A215-A226.	2.1	8
330	Ion cyclotron range of frequencies heating and current drive in deuterium-tritium plasmas. <i>Physics of Plasmas</i> , 1995, 2, 2427-2434.	1.9	35
331	Creation and control of variably shaped plasmas in TCV. <i>Plasma Physics and Controlled Fusion</i> , 1994, 36, B277-B287.	2.1	156
332	Gyrokinetic approach to the propagation of electromagnetic waves in nonuniform bounded plasma slabs. <i>Computer Physics Communications</i> , 1994, 84, 226-242.	7.5	10
333	A 3D Fokker-Planck Code for Studying Parallel Transport in Tokamak Geometry with Arbitrary Collisionalities and Application to Neoclassical Resistivity. <i>Contributions To Plasma Physics</i> , 1994, 34, 169-174.	1.1	21
334	Nonlocal effects of alpha particles on ICRF heating. <i>Nuclear Fusion</i> , 1992, 32, 1455-1464.	3.5	22
335	A nonlocal analysis of electrostatic waves in hot inhomogeneous bounded plasmas. <i>Physics of Fluids B</i> , 1990, 2, 475-487.	1.7	17
336	Low-n ideal MHD stability of tokamaks: Current and beta limits. <i>Nuclear Fusion</i> , 1989, 29, 629-639.	3.5	18
337	Current and beta limitations for the TCV tokamak. <i>Nuclear Fusion</i> , 1988, 28, 1379-1383.	3.5	17
338	Numerical modelling of the cold ion-ion hybrid resonance. <i>Computer Physics Communications</i> , 1987, 46, 205-208.	7.5	1
339	Computing of RF heating and current drive in Tokamaks. <i>Computer Physics Communications</i> , 1986, 43, 125-141.	7.5	15
340	Negative Triangularity Tokamak as Fusion Energy System. , 0, , .		4
341	Modelling of sawtooth-induced fast ion transport in positive and negative triangularity in TCV. <i>Nuclear Fusion</i> , 0, , .	3.5	2
342	Full conversion from Ohmic to runaway electron driven current via massive gas injection in the TCV tokamak. <i>Nuclear Fusion</i> , 0, , .	3.5	1