

Ricardo Galvão

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Magnetic Confinement Fusion Concepts/Configurations. , 2021, , 383-403.		1
2	Overview of plasma rotation studies on the TCABR tokamak. Plasma Physics and Controlled Fusion, 2021, 63, 075001.	2.1	2
3	Development of high-current power supplies for the TCABR tokamak. Fusion Engineering and Design, 2020, 159, 111698.	1.9	0
4	Geodesic modes driven by untrapped resonances of NB energetic ions in tokamaks. Physics of Plasmas, 2019, 26, 102508.	1.9	2
5	Overview of the JET preparation for deuterium-tritium operation with the ITER like-wall. Nuclear Fusion, 2019, 59, 112021.	3.5	87
6	The JET upgraded toroidal Alfvén Eigenmode Diagnostic System. Fusion Engineering and Design, 2019, 146, 2639-2643.	1.9	0
7	Optimization of Antenna Current Feeding for the Alfvén Eigenmodes Active Diagnostic System of JET. Brazilian Journal of Physics, 2018, 48, 146-154.	1.4	0
8	TAE stability calculations compared to TAE antenna results in JET. Nuclear Fusion, 2018, 58, 082007.	3.5	11
9	Geodesic modes driven by plasma fluxes during oblique NB heating in tokamaks. Physics of Plasmas, 2018, 25, 122507.	1.9	3
10	Transport equations in magnetized plasmas for non-Maxwellian distribution functions. Physics of Plasmas, 2018, 25, 102308.	1.9	5
11	H-mode access and the role of spectral shift with electrode biasing in the TCABR tokamak. Physics of Plasmas, 2018, 25, .	1.9	9
12	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	16.7	73
13	The role of lower hybrid resonance and helicon waves excitations in a magnetized plasma for coating production of complex crystalline structures as hydroxyapatite. Vacuum, 2017, 146, 233-245.	3.5	5
14	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	3.5	150
15	Geodesic mode instability driven by electron and ion fluxes during neutral beam injection in tokamaks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3066-3070.	2.1	4
16	The upgraded JET toroidal Alfvén eigenmode diagnostic system. Nuclear Fusion, 2016, 56, 112020.	3.5	16
17	Drift and geodesic effects on the ion sound eigenmode in tokamak plasmas. Plasma Physics Reports, 2016, 42, 424-429.	0.9	4
18	Interplay between intrinsic plasma rotation and magnetic island evolution in disruptive discharges. Plasma Physics Reports, 2016, 42, 465-471.	0.9	1

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19	Mass number identification by Alfvén wave diagnostics in hydrogen and helium plasmas in TCABR. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1189-1192.	2.1	1
20	Drift and Geodesic Effects on the Ion Sound Eigenmode in Tokamak Plasmas. Plasma Physics Reports, 2016, 42, 434-439.	0.0	0
21	Interplay between Intrinsic Plasma Rotation and Magnetic Island Evolution in Disruptive Discharges. Plasma Physics Reports, 2016, 42, 476-482.	0.0	0
22	Geodesic mode instability driven by electron and ion fluxes in tokamaks. Physics of Plasmas, 2015, 22, 114503.	1.9	3
23	Excitation of Global Alfvén Waves by Low RF Power on TCABR. Journal of Physics: Conference Series, 2015, 591, 012002.	0.4	0
24	Heat flux effects on the dispersion relation for geodesic modes in rotating plasmas. Journal of Physics: Conference Series, 2015, 591, 012004.	0.4	0
25	Data Acquisition and Automation for Plasma Rotation Diagnostic in the TCABR Tokamak. Journal of Physics: Conference Series, 2015, 591, 012007.	0.4	2
26	Production of Silicon Oxide like Thin Films by the Use of Atmospheric Plasma Torch. Journal of Physics: Conference Series, 2015, 591, 012041.	0.4	0
27	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	3.5	50
28	Electron density profile reconstruction on the TCABR sweeping reflectometer. Journal of Physics: Conference Series, 2015, 591, 012006.	0.4	0
29	Conjugate influence of current relaxation and of current-vortex sheet formation on the magnetorotational instability. Journal of Physics: Conference Series, 2015, 591, 012033.	0.4	0
30	Report on recent results obtained in TCABR. Journal of Physics: Conference Series, 2015, 591, 012001.	0.4	3
31	Investigation of rotation at the plasma edge in TCABR. Nuclear Fusion, 2015, 55, 093001.	3.5	4
32	Transport equations for lower hybrid waves in a turbulent plasma. Journal of Plasma Physics, 2015, 81, .	2.1	1
33	Nonlinear evolution of a single coherent mode in a turbulent plasma. Plasma Physics and Controlled Fusion, 2014, 56, 055004.	2.1	7
34	Gamma-ray free-electron lasers: Quantum fluid model. Europhysics Letters, 2014, 108, 65002.	2.0	3
35	Externally driven global Alfvén eigenmodes applied for effective mass number measurement on TCABR. Physics of Plasmas, 2014, 21, 122509.	1.9	2
36	Imperfect relativistic mirrors in the quantum regime. Physics of Plasmas, 2014, 21, 053109.	1.9	1

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37	Geodesic mode instability driven by the electron current in tokamak plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 800-803.	2.1	12
38	Analysis of the electron temperature measurement in TCABR tokamak by Electron Cyclotron Emission and Infrared Thomson scattering diagnostics. Journal of Physics: Conference Series, 2014, 511, 012039.	0.4	4
39	Ion-acoustic double-layers in a magnetized plasma with nonthermal electrons. Physics of Plasmas, 2013, 20, 112301.	1.9	3
40	Quantum fluid model of coherent stimulated radiation by a dense relativistic cold electron beam. Physics of Plasmas, 2013, 20, .	1.9	14
41	Magnetorotational instability, current relaxation, and current-vortex sheet. Physics of Plasmas, 2013, 20, 082126.	1.9	4
42	Second harmonic effect on geodesic modes in tokamak plasmas. Physics of Plasmas, 2013, 20, .	1.9	11
43	Inverse bremsstrahlung in relativistic quantum plasmas. Physical Review E, 2013, 87, 063112.	2.1	6
44	A full wave theory of O-mode reflectometry with an intermediate level of turbulence. Plasma Physics and Controlled Fusion, 2013, 55, 105008.	2.1	0
45	Long-distance correlations in TCABR biasing experiments. Nuclear Fusion, 2012, 52, 063004.	3.5	12
46	Nonlinear stationary structures in nonthermal plasmas. Journal of Physics: Conference Series, 2012, 370, 012044.	0.4	1
47	Error analysis in the electron temperature measurements in TCABR. Journal of Physics: Conference Series, 2012, 370, 012045.	0.4	0
48	Comment on "Debye shielding in a nonextensive plasma" [Phys. Plasmas 18, 062102 (2011)]. Physics of Plasmas, 2012, 19, 034701.	1.9	14
49	SCTE: An open-source Perl framework for testing equipment control and data acquisition. Computer Physics Communications, 2012, 183, 1511-1518.	7.5	4
50	Modulation of whistler waves in nonthermal plasmas. Physics of Plasmas, 2011, 18, .	1.9	11
51	Registration of Alfvén resonances in TCABR tokamak by the scanning reflectometer at sideband frequencies. Review of Scientific Instruments, 2011, 82, 023504.	1.3	0
52	Rotation effect on geodesic and zonal flow modes in tokamak plasmas with isothermal magnetic surfaces. Plasma Physics and Controlled Fusion, 2011, 53, 105003.	2.1	10
53	Identification of geodesic chirping Alfvén modes and q -factor estimation in hot core tokamak plasmas in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2011, 53, 025006.	2.1	5
54	Reconstruction activities and first results from the Thomson scattering diagnostic on the TCABR tokamak. Journal of Physics: Conference Series, 2010, 227, 012027.	0.4	1

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55	Design and characterization of an RF plasma cleaner. Brazilian Journal of Physics, 2010, 40, 108-114.	1.4	0
56	Determination of the minimum value of the safety factor from geodesic Alfvén eigenmodes in Joint European Torus. Physics of Plasmas, 2010, 17, .	1.9	8
57	Nanostructured europium oxide thin films deposited by pulsed laser ablation of a metallic target in a He buffer atmosphere. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2010, 28, 1092-1098.	2.1	5
58	Characterization of the transition from collisional to stochastic heating in a RF discharge. Journal Physics D: Applied Physics, 2010, 43, 025209.	2.8	5
59	Self-modulation of linearly polarized electromagnetic waves in non-Maxwellian plasmas. Physics of Plasmas, 2010, 17, 042116.	1.9	22
60	Comparative electron temperature measurements of Thomson scattering and electron cyclotron emission diagnostics in TCABR plasmas. Review of Scientific Instruments, 2010, 81, 10D529.	1.3	3
61	10.1007/s11447-008-1013-4. , 2010, 106, 154.		0
62	Temporal behaviour of toroidal rotation velocity in the TCABR tokamak. Nuclear Fusion, 2009, 49, 115026.	3.5	8
63	Overview of JET results. Nuclear Fusion, 2009, 49, 104006.	3.5	46
64	An approach to a non-LTE Saha equation based on the Druyvesteyn energy distribution function: a comparison between the electron temperature obtained from OES and the Langmuir probe analysis. Journal Physics D: Applied Physics, 2009, 42, 135202.	2.8	12
65	Surface-wave instabilities in a plasma rotating with step-like frequency profile. Brazilian Journal of Physics, 2009, 39, .	1.4	1
66	Contributions to the theory of magnetorotational instability and waves in a rotating plasma. Journal of Experimental and Theoretical Physics, 2008, 106, 154-165.	0.9	7
67	Ideal internal kink modes in a differentially rotating cylindrical plasma. Plasma Physics Reports, 2008, 34, 538-546.	0.9	4
68	High-frequency extensions of magnetorotational instability in astrophysical plasmas. Plasma Physics Reports, 2008, 34, 678-687.	0.9	1
69	Aeromechanics of Membrane Wings with Implications for Animal Flight. AIAA Journal, 2008, 46, 2096-2106.	2.6	210
70	Anisotropy of thermal stresses in confined dusty plasmas. Plasma Sources Science and Technology, 2008, 17, 015006.	3.1	1
71	Dust-induced instability in a rotating plasma. Physics of Plasmas, 2008, 15, .	1.9	14
72	Nonaxisymmetric magnetorotational instability in ideal and viscous plasmas. Physics of Plasmas, 2008, 15, 052103.	1.9	20

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73	Nonlocal magnetorotational instability. <i>Physics of Plasmas</i> , 2008, 15, 052109.	1.9	11
74	Impurity Line Emissions in VUV Region of TCABR Tokamak. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
75	Spectral Line Profile Analysis Using Higher Diffraction Order in Vacuum Ultraviolet Region. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	1
76	Overview of Recent ISTTOK Results. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
77	Multipoint Thomson Scattering Diagnostic For The TCABR Tokamak With Centimeter Spatial Resolution. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	4
78	Effect of upâ€“down and leftâ€“right asymmetry of dust and/or heavy impurity distribution on plasma dynamics in the tokamak edge. <i>Physica Scripta</i> , 2007, 76, 314-319.	2.5	1
79	Suppression and excitation of MHD activity with an electrically polarized electrode at the TCABR tokamak plasma edge. <i>Nuclear Fusion</i> , 2007, 47, 1570-1576.	3.5	36
80	Viscous relaxation of drift-Alfvén waves in tokamaks and its application for triggering improved confinement regimes. <i>Physics of Plasmas</i> , 2007, 14, 014503.	1.9	1
81	Generation of magnetoacoustic zonal flows by Alfvén waves in a rotating plasma. <i>Physics of Plasmas</i> , 2007, 14, 082302.	1.9	11
82	Resistive internal kink modes in a differentially rotating cylindrical plasma. <i>Physics of Plasmas</i> , 2007, 14, 112104.	1.9	4
83	Magnetorotational instability in the Hall regime in a hot-electron plasma. <i>Physics of Plasmas</i> , 2007, 14, 112108.	1.9	8
84	Plasma rotation measurement in small tokamaks using an optical spectrometer and a single photomultiplier as detector. <i>Review of Scientific Instruments</i> , 2007, 78, 043509.	1.3	12
85	Fast drift Alfvén waves excited at the low-frequency band in tokamak plasmas. <i>Physics of Plasmas</i> , 2007, 14, 104506.	1.9	3
86	A possible model for â€“snakesâ€™. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, L11-L15.	2.1	4
87	Spatial dust distribution and plasma dynamics in the tokamak edge. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, 803-808.	2.1	2
88	Generation of zonal flows by kinetic Alfvén waves. <i>Plasma Physics Reports</i> , 2007, 33, 117-129.	0.9	11
89	Effect of the magnetic field curvature on the generation of zonal flows by drift-Alfvén waves. <i>Plasma Physics Reports</i> , 2007, 33, 407-419.	0.9	4
90	A Far Infrared Super Radiant FEL. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2007, 28, 699-704.	0.6	2

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91	Neoclassical generation of toroidal zonal flow by drift wave turbulence. Physics of Plasmas, 2006, 13, 032502.	1.9	9
92	Direct measurements of the kinematics and dynamics of bat flight. Bioinspiration and Biomimetics, 2006, 1, S10-S18.	2.9	136
93	RF antenna analysis with the ICANT code. Fusion Engineering and Design, 2006, 81, 2205-2212.	1.9	1
94	Plasma rotation effect on interaction of low frequency fields with plasmas at the rational surfaces in tokamaks. Nuclear Fusion, 2006, 46, S154-S158.	3.5	1
95	Identification of local Alfvén wave resonances with reflectometry as a diagnostic tool in tokamaks. Nuclear Fusion, 2006, 46, S722-S729.	3.5	7
96	Overview of Recent Results of TCABR. AIP Conference Proceedings, 2006, , .	0.4	3
97	Electron Temperature and Density Measurements by the Unicity of Particle Confinement Time on the TCABR Tokamak. AIP Conference Proceedings, 2006, , .	0.4	0
98	Density Limit in TCABR Plasmas With Alfvén Wave Heating. AIP Conference Proceedings, 2006, , .	0.4	1
99	Generation of zonal flows by ion-temperature-gradient and related modes in the presence of neoclassical viscosity. Physics of Plasmas, 2006, 13, 052516.	1.9	4
100	Zonal flows generated by small-scale drift-Alfvén modes. Physics of Plasmas, 2006, 13, 042507.	1.9	16
101	Comparison of limiter and emissive electrode bias on the tokamak ISTTOK. Journal of Nuclear Materials, 2005, 337-339, 415-419.	2.7	8
102	Efficiency of plasma biasing by movable localized limiter in tokamak ISTTOK. European Physical Journal D, 2005, 55, 361-366.	0.4	0
103	Plasma confinement using biased electrode in the TCABR tokamak. Nuclear Fusion, 2005, 45, 796-803.	3.5	71
104	Experimental studies of instabilities and confinement of energetic particles on JET and MAST. Nuclear Fusion, 2005, 45, 1168-1177.	3.5	34
105	Not completely flattened radial profile of the electron temperature in the vicinity of magnetic islands in Tokamak Chauffage Alfvén Brésilien. Physics of Plasmas, 2005, 12, 052501.	1.9	4
106	Recombinative plasma in electron runaway discharge. Physics of Plasmas, 2005, 12, 072508.	1.9	4
107	Nonlinear viscosity and its role in drift-Alfvén modes. Physics of Plasmas, 2005, 12, 122509.	1.9	2
108	Unified theory of Mercier-ballooning and Alfvén eigenmodes in positive-shear tokamaks with large-orbit energetic ions. Physics of Plasmas, 2005, 12, 042507.	1.9	2

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109	Neoclassical magnetic microislands in tokamaks. <i>Physics of Plasmas</i> , 2005, 12, 092501.	1.9	0
110	Determination of rational surface position and magnetic island width from electron cyclotron emission (ECE) radiometry in TCABR. <i>IEEE Transactions on Plasma Science</i> , 2005, 33, 2046-2050.	1.3	1
111	Collisional transport in axisymmetric plasma columns with strong longitudinal flows: application to solar loops. <i>Brazilian Journal of Physics</i> , 2005, 35, 544-553.	1.4	2
112	Results of localized Alfvén wave heating in TCABR. <i>Brazilian Journal of Physics</i> , 2004, 34, 1707-1714.	1.4	3
113	The analysis of Alfvén wave antenna implementation in the ETE spherical tokamak. <i>Brazilian Journal of Physics</i> , 2004, 34, 1722-1728.	1.4	2
114	ECE radiometry in the TCABR tokamak. <i>Brazilian Journal of Physics</i> , 2004, 34, 1771-1779.	1.4	9
115	Electron density measurements from right-hand cutoff of ECE in the TCABR tokamak. <i>Brazilian Journal of Physics</i> , 2004, 34, 1780-1785.	1.4	5
116	Identification of the Alfvén wave resonances in the TCABR tokamak by the microwave reflectometry. <i>Brazilian Journal of Physics</i> , 2004, 34, 1715-1721.	1.4	0
117	Low frequency heating and flow driven by the dynamic ergodic divertor in tokamaks. <i>Nuclear Fusion</i> , 2004, 44, S83-S92.	3.5	9
118	Improved confinement events triggered by emissive electrode biasing on the tokamak ISTTOK. <i>Nuclear Fusion</i> , 2004, 44, 799-810.	3.5	34
119	Diaceleric structures in magnetized plasmas. <i>Physics of Plasmas</i> , 2004, 11, 16-22.	1.9	3
120	Application of microwave reflectometry to register Alfvén wave resonances in the TCABR tokamak. <i>Review of Scientific Instruments</i> , 2004, 75, 655-660.	1.3	8
121	Magnetic islands and plasma rotation in the Tokamak Chauffage Alfvén Brésilien tokamak. <i>Physics of Plasmas</i> , 2004, 11, 846-848.	1.9	16
122	Electron emissive electrode for the plasma biasing experiment on tokamak ISTTOK. <i>Review of Scientific Instruments</i> , 2004, 75, 4240-4242.	1.3	5
123	Arrangement of emissive and cold probes for fluctuation and Reynolds stress measurements. <i>Review of Scientific Instruments</i> , 2004, 75, 4331-4333.	1.3	11
124	On the use of MHD mode analysis as a technique for determination of q-profiles in JET plasmas. <i>Review of Scientific Instruments</i> , 2004, 75, 4274-4277.	1.3	12
125	Runaway discharges in TCABR. <i>Nuclear Fusion</i> , 2004, 44, 631-644.	3.5	17
126	Particle flows in dusty plasmas of the tokamak edge. <i>Physics of Plasmas</i> , 2004, 11, 4138-4141.	1.9	7

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127	Global Alfvén Wave Heating of the Magnetosphere of Young Stars. <i>Astrophysical Journal</i> , 2004, 600, 292-295.	4.5	1
128	Low frequency fields driven by the Ergodic Magnetic Limiter at rational surfaces in rotating tokamak plasmas. <i>Brazilian Journal of Physics</i> , 2004, 34, 1677-1683.	1.4	0
129	Drift stabilization of internal resistive-wall modes in tokamaks. <i>Plasma Physics Reports</i> , 2003, 29, 779-784.	0.9	2
130	Comments on the article 'Magnetic diagnostics: general principles and the problem of reconstruction of plasma current and pressure profiles in toroidal systems'. <i>Nuclear Fusion</i> , 2003, 43, 157-158.	3.5	0
131	Fluid treatment of convective-transport threshold model of neoclassical tearing modes in tokamaks. <i>Physics of Plasmas</i> , 2003, 10, 3790-3792.	1.9	5
132	Transport threshold model of subsonic neoclassical tearing modes in tokamaks. <i>Physics of Plasmas</i> , 2003, 10, 3975-3983.	1.9	8
133	Overview of JET results. <i>Nuclear Fusion</i> , 2003, 43, 1540-1554.	3.5	38
134	Plasma cleaning and analysis of archeological artefacts from Sipão. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 842-848.	2.8	13
135	Plasma residual rotation in the TCABR tokamak. <i>Nuclear Fusion</i> , 2003, 43, 1047-1056.	3.5	33
136	Whistler instability driven by relativistic electron tail in tokamaks. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, L63-L70.	2.1	5
137	Recent Results of Alfvén Wave Studies in TCABR. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	2
138	Description and characterization of a ECR plasma device developed for thin film deposition. <i>Brazilian Journal of Physics</i> , 2003, 33, 123-127.	1.4	7
139	Conference Summary: Summary of the 14th IAEA Technical Committee Meeting on Research Using Small Fusion Devices. <i>Nuclear Fusion</i> , 2002, 42, 1168-1171.	3.5	0
140	Diamond flow controller microtubes. <i>Journal of Micromechanics and Microengineering</i> , 2002, 12, 108-110.	2.6	7
141	Role of trapped and circulating particles in inducing current drive and radial electric field by Alfvén waves in tokamaks. <i>Journal of Plasma Physics</i> , 2002, 67, 301-308.	2.1	3
142	Plasma recombination in runaway discharges in tokamak TCABR. <i>Brazilian Journal of Physics</i> , 2002, 32, 81-84.	1.4	4
143	Calculations of Alfvén wave heating in TCABR tokamak. <i>Brazilian Journal of Physics</i> , 2002, 32, 34.	1.4	1
144	The analysis of Alfvén wave current drive and plasma heating in TCABR tokamak. <i>Brazilian Journal of Physics</i> , 2002, 32, 57.	1.4	8

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145	Neoclassical ion transport in the edge of axially-symmetric arbitrary cross-section tokamak with plasma subsonic toroidal flows. Brazilian Journal of Physics, 2002, 32, .	1.4	1
146	Plasma resistivity determination in runaway discharges from positive voltage spikes on TCABR tokamak. Brazilian Journal of Physics, 2002, 32, 107-111.	1.4	3
147	Magnetic coil system for the TCABR tokamak. Brazilian Journal of Physics, 2002, 32, .	1.4	0
148	Bolometric calibration for TCABR performed with a synchrotron light source. , 2001, , .		0
149	Runaway discharges in TCABR. , 2001, , .		2
150	Alfvén wave heating and runaway discharges maintained by the avalanche effect in TCABR. Plasma Physics and Controlled Fusion, 2001, 43, A299-A312.	2.1	15
151	New regime of runaway discharges in tokamaks. Plasma Physics and Controlled Fusion, 2001, 43, 1181-1190.	2.1	28
152	Electron drift effects on magnetic islands. Physics of Plasmas, 2001, 8, 4020-4029.	1.9	4
153	Calculations of Alfvén wave driving forces, plasma flow, and current drive in the Tokamak Chauffage Alfvén wave experiment in Brazil (TCABR). Physics of Plasmas, 2001, 8, 210-215.	1.9	3
154	Effect of plasma subsonic toroidal flows induced by Alfvén waves on transport processes in the edge of elongated tokamaks. Brazilian Journal of Physics, 2001, 31, 34-41.	1.4	1
155	On a bootstrap-like mechanism of radio frequency wave current drive in tokamaks. Physics of Plasmas, 2000, 7, 1060-1063.	1.9	5
156	Positive voltage spikes in runaway tokamak discharges. Physics of Plasmas, 2000, 7, 2894-2897.	1.9	4
157	Ion Larmor Radius Effect on rf Ponderomotive Forces and Induced Poloidal Flow in Tokamak Plasmas. Physical Review Letters, 2000, 84, 1200-1203.	7.8	15
158	Elfimov and Galvão Reply.. Physical Review Letters, 2000, 85, 2409-2409.	7.8	1
159	Extension of drift magnetic island theory beyond the common profile function approximation. Physics of Plasmas, 2000, 7, 4763-4765.	1.9	7
160	Possible resolution of the "main intrigue" of the neoclassical tearing mode theory. Physics of Plasmas, 2000, 7, 3474-3475.	1.9	7
161	Effect of the radial electric field, induced by Alfvén waves, on transport processes in tokamaks. Nuclear Fusion, 1999, 39, 2119-2125.	3.5	0
162	Alfvén wave heating, current drive, plasma flow and improved confinement scenarios in tokamaks. Plasma Physics and Controlled Fusion, 1999, 41, A487-A494.	2.1	1

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163	Alfvén and fast wave forces, affecting ions in magnetic traps with closed magnetic surfaces. <i>Physics of Plasmas</i> , 1999, 6, 1378-1381.	1.9	1
164	Relativistic plasma viscosity of the Burnett kind. <i>Physical Review E</i> , 1999, 60, 4754-4759.	2.1	4
165	Laser-assisted stopping power of a hot plasma for a system of correlated ions. <i>Physical Review E</i> , 1999, 60, 7441-7448.	2.1	8
166	Anomalous and neoclassical transport suppression by the radial electric field, induced by Alfvén waves in tokamaks. <i>Physics of Plasmas</i> , 1999, 6, 3548-3553.	1.9	5
167	High precision pick-up (Mirnov) coils for disruption studies in the T-11M and TCABR tokamaks. <i>Review of Scientific Instruments</i> , 1999, 70, 449-451.	1.3	2
168	Calculations of wave excitation and dissipation in Tokamak Chauffage Alfvén wave heating experiment in Brazil. <i>Physics of Plasmas</i> , 1999, 6, 2437-2442.	1.9	11
169	Runaway discharge in the small Brazilian Tokamak TBR-1. <i>Physics of Plasmas</i> , 1999, 6, 4002-4007.	1.9	4
170	Scanning probe microscopy of vacuum-arc-deposited metallic and diamond-like carbon thin films. <i>Thin Solid Films</i> , 1998, 325, 19-23.	1.8	8
171	Advanced antenna system for Alfvén wave plasma heating and current drive in TCABR tokamak. <i>Fusion Engineering and Design</i> , 1998, 43, 15-28.	1.9	14
172	Engineering aspects of the ISTTOK operation in a multicycle alternating flat-top plasma current regime. <i>Fusion Engineering and Design</i> , 1998, 43, 101-113.	1.9	15
173	Alfvén wave driving forces and plasma flow in tokamak plasmas. <i>Plasma Physics and Controlled Fusion</i> , 1998, 40, 451-463.	2.1	11
174	Enhanced diffusion and isotope extraction driven by ion-cyclotron surface waves in a rippled magnetic field. <i>Plasma Sources Science and Technology</i> , 1998, 7, 410-415.	3.1	1
175	Plasma boundary determination in ITER by the optimized current filament method. <i>Nuclear Fusion</i> , 1998, 38, 1829-1838.	3.5	18
176	Ion Transport in Tokamak Plasmas with Ion Banana Orbits Squeezed by Alfvén Waves. <i>Physical Review Letters</i> , 1998, 81, 3403-3406.	7.8	13
177	Plasma rotation in toroidal devices with circular cross-sections. <i>Physics of Plasmas</i> , 1998, 5, 3358-3365.	1.9	9
178	Simplified magnetic diagnostic methods for tokamaks. <i>Nuclear Fusion</i> , 1998, 38, 1385-1395.	3.5	3
179	Using beryllium and polypropylene-aluminium absorbers to measure the TBR-1 tokamak electron temperature. <i>Brazilian Journal of Physics</i> , 1998, 28, 230.	1.4	0
180	Growth Rates of Envelope Modulations of Electromagnetic Waves in Relativistic Temperature Electron-Positron Plasmas, Stimulated by Weak or Finite Phonon Damping. , 1998, , 311-319.		0

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