

Lionello Marrelli

List of Publications by Year in descending order

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168
papers

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169
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169
docs citations

169
times ranked

1587
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-organized helical equilibria as a new paradigm for ohmically heated fusion plasmas. <i>Nature Physics</i> , 2009, 5, 570-574.	16.7	240
2	Quasi-Single-Helicity Reversed-Field-Pinch Plasmas. <i>Physical Review Letters</i> , 2000, 85, 1662-1665.	7.8	149
3	Overview of quasi-single helicity experiments in reversed field pinches. <i>Nuclear Fusion</i> , 2003, 43, 1855-1862.	3.5	102
4	Active-Feedback Control of the Magnetic Boundary for Magnetohydrodynamic Stabilization of a Fusion Plasma. <i>Physical Review Letters</i> , 2006, 97, 075001.	7.8	96
5	Beyond the intelligent shell concept: the clean-mode-control. <i>Nuclear Fusion</i> , 2007, 47, 1425-1436.	3.5	94
6	Feedback Stabilization of Multiple Resistive Wall Modes. <i>Physical Review Letters</i> , 2004, 93, 225001.	7.8	93
7	High confinement plasmas in the Madison Symmetric Torus reversed-field pinch. <i>Physics of Plasmas</i> , 2002, 9, 2061-2068.	1.9	87
8	Core Transport Improvement during Poloidal Current Drive in the RFX Reversed Field Pinch. <i>Physical Review Letters</i> , 1999, 82, 1462-1465.	7.8	79
9	NTM induced fast ion losses in ASDEX Upgrade. <i>Nuclear Fusion</i> , 2007, 47, L10-L15.	3.5	72
10	Magnetic order and confinement improvement in high-current regimes of RFX-mod with MHD feedback control. <i>Nuclear Fusion</i> , 2009, 49, 085036.	3.5	69
11	Soft X ray tomographic imaging in the RFX reversed field pinch. <i>Nuclear Fusion</i> , 2001, 41, 695-709.	3.5	64
12	Transport Barrier inside the Reversal Surface in the Chaotic Regime of the Reversed-Field Pinch. <i>Physical Review Letters</i> , 2006, 96, 025001.	7.8	60
13	Magnetic self organization, MHD active control and confinement in RFX-mod. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B359-B369.	2.1	60
14	Quasi-single helicity states in the reversed field pinch: Beyond the standard paradigm. <i>Physics of Plasmas</i> , 2000, 7, 1984-1992.	1.9	59
15	Comprehensive control of resistive wall modes in DIII-D advanced tokamak plasmas. <i>Nuclear Fusion</i> , 2009, 49, 125003.	3.5	58
16	Overview of ASDEX Upgrade results. <i>Nuclear Fusion</i> , 2017, 57, 102015.	3.5	53
17	Experimental and theoretical studies of active control of resistive wall mode growth in the EXTRAP T2R reversed-field pinch. <i>Nuclear Fusion</i> , 2005, 45, 557-564.	3.5	52
18	Quasi-single helicity spectra in the Madison Symmetric Torus. <i>Physics of Plasmas</i> , 2002, 9, 2868-2871.	1.9	51

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19	A new paradigm for RFP magnetic self-organization: results and challenges. Plasma Physics and Controlled Fusion, 2007, 49, A177-A193.	2.1	45
20	High current regimes in RFX-mod. Plasma Physics and Controlled Fusion, 2008, 50, 124031.	2.1	44
21	Helical equilibria and magnetic structures in the reversed field pinch and analogies to the tokamak and stellarator. Plasma Physics and Controlled Fusion, 2009, 51, 124031.	2.1	43
22	MHD induced fast-ion losses on ASDEX Upgrade. Nuclear Fusion, 2009, 49, 085014.	3.5	43
23	Overview of RFX-mod results. Nuclear Fusion, 2009, 49, 104019.	3.5	43
24	Runaway electron mitigation by 3D fields in the ASDEX-Upgrade experiment. Plasma Physics and Controlled Fusion, 2018, 60, 014036.	2.1	42
25	The reversed field pinch. Nuclear Fusion, 2021, 61, 023001.	3.5	42
26	Active MHD control at high currents in RFX-mod. Nuclear Fusion, 2007, 47, 783-791.	3.5	39
27	Particle-Transport Analysis in Reversed Field Pinch Helical States. Physical Review Letters, 2004, 93, 145001.	7.8	38
28	Vanishing Magnetic Shear And Electron Transport Barriers In The RFX-Mod Reversed Field Pinch. Physical Review Letters, 2011, 106, 025001.	7.8	38
29	Overview of physics studies on ASDEX Upgrade. Nuclear Fusion, 2019, 59, 112014.	3.5	38
30	Improved confinement and transport studies in the reversed field experiment (RFX). Physics of Plasmas, 1999, 6, 1830-1836.	1.9	36
31	Study of the scaling of magnetic fluctuations in the RFX reversed field pinch1. Plasma Physics and Controlled Fusion, 2000, 42, 843-854.	2.1	35
32	A 3D approach to equilibrium, stability and transport studies in RFX-mod improved regimes. Plasma Physics and Controlled Fusion, 2010, 52, 124023.	2.1	35
33	High density physics in reversed field pinches: comparison with tokamaks and stellarators. Nuclear Fusion, 2009, 49, 045012.	3.5	34
34	Dependence on plasma shape and plasma fueling for small edge-localized mode regimes in TCV and ASDEX Upgrade. Nuclear Fusion, 2019, 59, 086020.	3.5	34
35	Upgrades of the RFX-mod reversed field pinch and expected scenario improvements. Nuclear Fusion, 2019, 59, 076027.	3.5	34
36	High density limit in reversed field pinches. Physics of Plasmas, 2009, 16, .	1.9	32

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37	Nonlocal transport in the reversed field pinch. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 124026.	2.1	32
38	RFX-mod: A multi-configuration fusion facility for three-dimensional physics studies. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	32
39	Boronization with trimethylboron in the reversed field pinch RFX. <i>Journal of Nuclear Materials</i> , 1996, 227, 259-265.	2.7	31
40	An optimized multifoil soft x-ray spectrometer for the determination of the electron temperature with high time resolution. <i>Review of Scientific Instruments</i> , 1999, 70, 581-585.	1.3	31
41	Impact of ideal MHD stability limits on high-beta hybrid operation. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 014027.	2.1	31
42	Validation of the ICRF antenna coupling code RPLICASOL against TOPICA and experiments. <i>Nuclear Fusion</i> , 2019, 59, 046001.	3.5	31
43	Observations of Multiple Magnetic Islands in the Core of a Reversed Field Pinch. <i>Physical Review Letters</i> , 2004, 92, 125001.	7.8	30
44	Tomographic imaging of resistive mode dynamics in the Madison Symmetric Torus reversed-field pinch. <i>Physics of Plasmas</i> , 2006, 13, 012510.	1.9	30
45	Quasistationary Magnetic Fluctuation Control in the Reversed Field Pinch: A Proof of Principle Experiment. <i>Physical Review Letters</i> , 2001, 87, 195001.	7.8	29
46	Measurements of the MHD Dynamo in the Quasi-Single-Helicity Reversed-Field Pinch. <i>Physical Review Letters</i> , 2004, 93, 235001.	7.8	29
47	Active control of multiple resistive wall modes. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, B25-B36.	2.1	29
48	Overview of the RFX fusion science program. <i>Nuclear Fusion</i> , 2011, 51, 094023.	3.5	29
49	Experimental investigation of electron temperature dynamics of helical states in the RFX-Mod reversed field pinch. <i>Nuclear Fusion</i> , 2013, 53, 053011.	3.5	29
50	Scaling of Local Core Transport with Lundquist Number in the Reversed Field Pinch. <i>Physical Review Letters</i> , 1999, 83, 5499-5502.	7.8	27
51	Overview of the RFX-mod fusion science activity. <i>Nuclear Fusion</i> , 2017, 57, 102012.	3.5	27
52	Internal and external electron transport barriers in the RFX-mod reversed field pinch. <i>Nuclear Fusion</i> , 2011, 51, 073038.	3.5	26
53	Analysis and modelling of the magnetic and plasma profiles during PPCD experiments in RFX. <i>Nuclear Fusion</i> , 2003, 43, 1057-1065.	3.5	25
54	Feedback control of resistive wall modes by saddle coils in RFX-mod. <i>Fusion Engineering and Design</i> , 2007, 82, 1064-1072.	1.9	25

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55	Role of a continuous MHD dynamo in the formation of 3D equilibria in fusion plasmas. Nuclear Fusion, 2017, 57, 076014.	3.5	25
56	Numerical studies of transport mechanisms in RFX-mod low magnetic chaos regimes. Plasma Physics and Controlled Fusion, 2009, 51, 065010.	2.1	24
57	On the statistics of edge fluctuations: comparative study between various fusion devices. Plasma Physics and Controlled Fusion, 2009, 51, 055013.	2.1	24
58	Influence of external 3D magnetic fields on helical equilibrium and plasma flow in RFX-mod. Plasma Physics and Controlled Fusion, 2011, 53, 084005.	2.1	24
59	Electron temperature measurements with high time resolution in RFX. Plasma Physics and Controlled Fusion, 1996, 38, 1023-1031.	2.1	23
60	2D characterization of core thermal topology changes in controlled RFX-mod QSH states. Nuclear Fusion, 2009, 49, 045011.	3.5	23
61	Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution ^a. Nuclear Fusion, 2017, 57, 102014.	3.5	23
62	Improved confinement with internal electron transport barriers in RFX-mod. Nuclear Fusion, 2009, 49, 055009.	3.5	22
63	Evolution of nitrogen concentration and ammonia production in N₂-seeded H-mode discharges at ASDEX Upgrade. Nuclear Fusion, 2019, 59, 046010.	3.5	22
64	Soft x-ray and bolometric tomography in RFX. Review of Scientific Instruments, 1997, 68, 1256-1260.	1.3	21
65	Recent progress in reversed field pinch research in the RFX experiment. Nuclear Fusion, 1999, 39, 1697-1705.	3.5	21
66	Resonance between passing fast ions and MHD instabilities both in the tokamak and the RFP configurations. Nuclear Fusion, 2008, 48, 075002.	3.5	21
67	Numerical simulations of fast ion loss measurements induced by magnetic islands in the ASDEX Upgrade tokamak. Nuclear Fusion, 2009, 49, 095021.	3.5	21
68	Feedback control model of the $m=2, n=1$ resistive wall mode in a circular plasma. Plasma Physics and Controlled Fusion, 2012, 54, 094004.	2.1	21
69	Design concepts of machine upgrades for the RFX-mod experiment. Fusion Engineering and Design, 2017, 123, 59-62.	1.9	21
70	Avoidance of tearing mode locking with electro-magnetic torque introduced by feedback-based mode rotation control in DIII-D and RFX-mod. Nuclear Fusion, 2017, 57, 016035.	3.5	21
71	Total radiation losses and emissivity profiles in RFX. Nuclear Fusion, 1998, 38, 649-659.	3.5	20
72	Dynamo-free plasma in the reversed-field pinch: Advances in understanding the reversed-field pinch improved confinement mode. Physics of Plasmas, 2005, 12, 056118.	1.9	20

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73	Neoclassical Transport in the Helical Reversed-Field Pinch. <i>Physical Review Letters</i> , 2010, 105, 195006.	7.8	20
74	Three-dimensional equilibria and transport in RFX-mod: A description using stellarator tools. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	19
75	Magnetic perturbations as a viable tool for edge turbulence modification. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 014027.	2.1	19
76	Impact of toroidal and poloidal mode spectra on the control of non-axisymmetric fields in tokamaks. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	19
77	Edge localised asymmetric radiative phenomena in RFX. <i>Journal of Nuclear Materials</i> , 1999, 266-269, 877-883.	2.7	18
78	Helical equilibrium reconstruction with V3FIT in the RFX-mod Reversed Field Pinch. <i>Nuclear Fusion</i> , 2013, 53, 113014.	3.5	18
79	Tokamak Operation with Safety Factor $q < 1$ via Control of MHD Stability. <i>Physical Review Letters</i> , 2014, 113, 045003.	3.5	18
80	Overview of the RFX-mod contribution to the international Fusion Science Program. <i>Nuclear Fusion</i> , 2015, 55, 104012.	3.5	18
81	Improved performance of the Thomson scattering system in RFX. <i>Review of Scientific Instruments</i> , 1999, 70, 1416-1420.	1.3	17
82	3D magnetic fields and plasma rotation in RFX-mod tokamak plasmas. <i>Nuclear Fusion</i> , 2013, 53, 113022.	3.5	17
83	Non-axisymmetric equilibrium reconstruction for stellarators, reversed field pinches and tokamaks. <i>Nuclear Fusion</i> , 2013, 53, 083016.	3.5	17
84	Overview of the RFX-mod fusion science programme. <i>Nuclear Fusion</i> , 2013, 53, 104018.	3.5	17
85	Advances in understanding RFX-mod helical plasmas. <i>Nuclear Fusion</i> , 2013, 53, 073048.	3.5	17
86	Density limit studies in the tokamak and the reversed-field pinch. <i>Nuclear Fusion</i> , 2015, 55, 043007.	3.5	17
87	Design and operation of the RFX-mod plasma shape control system. <i>Fusion Engineering and Design</i> , 2016, 108, 81-91.	1.9	17
88	Singular spectrum analysis as a tool for plasma fluctuations analysis. <i>Review of Scientific Instruments</i> , 2001, 72, 499-502.	1.3	16
89	New insights into MHD dynamics of magnetically confined plasmas from experiments in RFX. <i>Nuclear Fusion</i> , 2002, 42, 247-257.	3.5	16
90	Improved dynamic response of magnetic feedback in RFX-mod and DIII-D. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 084004.	2.1	16

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91	Wall conditioning and density control in the reversed field pinch RFX-mod. Nuclear Fusion, 2013, 53, 073001.	3.5	16
92	Compact soft x-ray multichord camera: Design and initial operation. Review of Scientific Instruments, 2003, 74, 2152-2156.	1.3	15
93	High resolution soft x-ray tomography in the Madison Symmetric Torus. Review of Scientific Instruments, 2004, 75, 4013-4016.	1.3	15
94	Two-dimensional time resolved measurements of the electron temperature in MST. Review of Scientific Instruments, 2006, 77, 10F318.	1.3	15
95	Improvement of the magnetic configuration in the reversed field pinch through successive bifurcations. Physics of Plasmas, 2009, 16, .	1.9	15
96	Overview of results in the MST reversed field pinch experiment. Nuclear Fusion, 2005, 45, S276-S282.	3.5	14
97	Reduced intermittency in the magnetic turbulence of reversed field pinch plasmas. Physics of Plasmas, 2005, 12, 030701.	1.9	14
98	Ion and electron local transport inside single helicity islands in the reversed field pinch. Physics of Plasmas, 2007, 14, 072305.	1.9	14
99	Model-based design of multi-mode feedback control in the RFX-mod experiment. Nuclear Fusion, 2010, 50, 115011.	3.5	14
100	Feedback-assisted extension of the tokamak operating space to low safety factor. Physics of Plasmas, 2014, 21, .	1.9	14
101	Magnetohydrodynamic properties of nominally axisymmetric systems with 3D helical core. Plasma Physics and Controlled Fusion, 2011, 53, 074008.	2.1	13
102	Dynamic decoupling and multi-mode magnetic feedback for error field correction in RFX-mod. Nuclear Fusion, 2011, 51, 063012.	3.5	13
103	Design constraints on new vacuum components of RFX-mod2 upgrade using electrical modeling of reversed field pinch plasma. Fusion Engineering and Design, 2018, 136, 1209-1213.	1.9	13
104	Real-time plasma state monitoring and supervisory control on TCV. Nuclear Fusion, 2019, 59, 026017.	3.5	13
105	Requirements for active resistive wall mode (RWM) feedback control. Plasma Physics and Controlled Fusion, 2010, 52, 104004.	2.1	12
106	On the roles of direct feedback and error field correction in stabilizing resistive-wall modes. Nuclear Fusion, 2010, 50, 042001.	3.5	12
107	Advanced feedback control of magnetohydrodynamic instabilities: comparison of compensation techniques for radial sensors. Plasma Physics and Controlled Fusion, 2012, 54, 124018.	2.1	12
108	Multichord calibrated bolometer array for the RFX experiment. Review of Scientific Instruments, 1995, 66, 665-667.	1.3	11

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109	Design of a new controller of MHD modes in RFX-mod. Fusion Engineering and Design, 2008, 83, 224-227.	1.9	11
110	TAE internal structure through high-resolution soft x-ray measurements in ASDEX-Upgrade. Nuclear Fusion, 2008, 48, 065001.	3.5	11
111	Flow measurements and modelling in helical RFX-mod equilibria. Nuclear Fusion, 2011, 51, 123007.	3.5	11
112	Calculation of 3-D Magnetic Fields Produced by MHD Active Control Systems in Fusion Devices. IEEE Transactions on Magnetics, 2014, 50, 45-48.	2.1	11
113	Runaway electron mitigation by applied magnetic perturbations in RFX-mod tokamak plasmas. Nuclear Fusion, 2017, 57, 016014.	3.5	11
114	Design of the new electromagnetic measurement system for RFX-mod upgrade. Fusion Engineering and Design, 2019, 146, 906-909.	1.9	11
115	Electron temperature diagnostics in the RFX reversed field pinch experiment. Plasma Physics and Controlled Fusion, 2000, 42, 881-892.	2.1	10
116	Heat transport in helical RFX-mod plasmas by electron temperature dynamics from soft-x-ray diagnostics. Plasma Physics and Controlled Fusion, 2013, 55, 105010.	2.1	10
117	Interaction between magnetic boundary and first wall recycling in the reversed field pinch. Plasma Physics and Controlled Fusion, 2013, 55, 124013.	2.1	10
118	Real time measurement of plasma macroscopic parameters on RFX-mod using a limited set of sensors. Physics of Plasmas, 2015, 22, 102503.	1.9	10
119	H-mode achievement and edge features in RFX-mod tokamak operation. Nuclear Fusion, 2017, 57, 116039.	3.5	10
120	Three-dimensional simulations of plasma turbulence in the RFX-mod scrape-off layer and comparison with experimental measurements. Physics of Plasmas, 2018, 25, .	1.9	10
121	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
122	Radiation and confinement properties of impurity seeded discharges in the reversed field pinch RFX. Nuclear Fusion, 2000, 40, 1983-1991.	3.5	9
123	Ultraviolet imaging of a magneto-plasmadynamic thruster. Review of Scientific Instruments, 2004, 75, 4149-4151.	1.3	9
124	MHD instabilities in magneto-plasma-dynamic thrusters. Plasma Physics and Controlled Fusion, 2008, 50, 124010.	2.1	9
125	Integrated identification of RFX-mod active control system from experimental data and finite element model. Fusion Engineering and Design, 2009, 84, 1784-1788.	1.9	9
126	The safety factor profile in the RFP plasma core from soft x-ray tomography. Plasma Physics and Controlled Fusion, 2001, 43, L17-L22.	2.1	8

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127	Ultraviolet tomography of kink dynamics in a magnetoplasdynamic thruster. <i>Physics of Plasmas</i> , 2005, 12, 093301.	1.9	8
128	Recent improvements in confinement and beta in the MST reversed-field pinch. <i>Nuclear Fusion</i> , 2007, 47, L17-L20.	3.5	8
129	Self-organized 3D equilibrium formation and its feedback control in RFX-mod. <i>Nuclear Fusion</i> , 2014, 54, 064006.	3.5	8
130	A locked mode indicator for disruption prediction on JET and ASDEX upgrade. <i>Fusion Engineering and Design</i> , 2019, 138, 254-266.	1.9	8
131	Spontaneous versus induced hydrogen and deuterium helical shaped plasmas with electron internal transport barriers. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 095004.	2.1	7
132	Edge plasma properties with 3D magnetic perturbations in RFX-mod. <i>Nuclear Fusion</i> , 2017, 57, 076033.	3.5	7
133	MHD limits and plasma response in high-beta hybrid operations in ASDEX Upgrade. <i>Nuclear Fusion</i> , 2017, 57, 116027.	3.5	7
134	Development and tests of a simple multifoil spectrometer for highly time-resolved line intensity measurements in the RFX experiment. <i>Measurement Science and Technology</i> , 1995, 6, 1690-1698.	2.6	6
135	Transport mechanisms and enhanced confinement studies in RFX. <i>Nuclear Fusion</i> , 2001, 41, 431-436.	3.5	6
136	Experimental investigation of plasma topological properties in the Reversed Field Pinch. <i>Europhysics Letters</i> , 2002, 59, 48-54.	2.0	6
137	A statistical analysis of pulsed poloidal current drive in the Reversed Field eXperiment. <i>Physics of Plasmas</i> , 2003, 10, 705-712.	1.9	6
138	Analysis of the calibration methods and error propagation for the sensitivity and the cooling time constant $I_{p,c}$ of the gold metal foil bolometers. <i>Review of Scientific Instruments</i> , 2004, 75, 2692-2699.	1.3	6
139	Filamentary current structures in the Madison Symmetric Torus. <i>Nuclear Fusion</i> , 2008, 48, 095003.	3.5	6
140	Turbulent electromagnetic filaments in actively modulated toroidal plasma edge. <i>Nuclear Fusion</i> , 2015, 55, 063041.	3.5	6
141	Integration of the state observer RAPTOR in the real-time MARTe framework at RFX-mod. <i>Fusion Engineering and Design</i> , 2017, 123, 616-619.	1.9	6
142	ELM-induced cold pulse propagation in ASDEX Upgrade. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 045003.	2.1	6
143	Signal processing and general purpose data acquisition system for on-line tomographic measurements. <i>Review of Scientific Instruments</i> , 1997, 68, 951-954.	1.3	5
144	Error analysis for thermonuclear plasma bolometric measurements performed with widely used miniaturized metal resistor detectors. <i>Measurement Science and Technology</i> , 1998, 9, 579-584.	2.6	5

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145	Soft-x-ray emission, plasma equilibrium, and fluctuation studies on Madison Symmetric Torus. Review of Scientific Instruments, 2003, 74, 2157-2160.	1.3	5
146	Perturbative transport studies in the reversed-field pinch. Nuclear Fusion, 2005, 45, 1342-1349.	3.5	5
147	Advanced MHD mode active control at RFX-mod. Fusion Engineering and Design, 2009, 84, 1249-1252.	1.9	5
148	Diagnostics, data acquisition and control of the divertor test tokamak experiment. Fusion Engineering and Design, 2017, 122, 365-374.	1.9	5
149	The role of 3D fields on runaway electron mitigation in ASDEX Upgrade: a numerical test particle approach. Nuclear Fusion, 2021, 61, 066037.	3.5	5
150	Mitigation of plasma-wall interaction during quasi-single helicity states in RFX. Journal of Nuclear Materials, 2001, 290-293, 1018-1022.	2.7	4
151	Self-Organized Helical Equilibria in the RFX-Mod Reversed Field Pinch. Contributions To Plasma Physics, 2010, 50, 775-779.	1.1	4
152	Electron Pressure and Transport Analysis During QSH States in RFX-mod. IEEE Transactions on Plasma Science, 2013, 41, 2-11.	1.3	4
153	Optimization of RFX-mod2 gap configuration by estimating the magnetic error fields due to the passive structure currents. Fusion Engineering and Design, 2019, 146, 680-683.	1.9	3
154	Ion heating and energy balance during magnetic reconnection events in the RFX-mod experiment. Nuclear Fusion, 2022, 62, 026030.	3.5	3
155	Dynamics of Ultralow-q plasmas in the RFX-mod device. Nuclear Fusion, 0, , .	3.5	3
156	Soft X-ray pulses in the reversed-field pinch. IEEE Transactions on Plasma Science, 2005, 33, 462-463.	1.3	2
157	Imaging of a double helical structure in the reversed field pinch. IEEE Transactions on Plasma Science, 2005, 33, 458-459.	1.3	2
158	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
159	Helical flow in RFX-mod tokamak plasmas. Nuclear Fusion, 2017, 57, 056033.	3.5	2
160	Magnetohydrodynamic modes analysis and control of Fusion Advanced Studies Torus high-current scenarios. Physics of Plasmas, 2014, 21, 082514.	1.9	1
161	3D electromagnetic analysis of the MHD control system in RFX-mod upgrade. Fusion Engineering and Design, 2017, 123, 612-615.	1.9	1
162	Bolometric and SXR Tomography in RFX. , 1998, , 597-600.		1

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163	Imaging of helical coherent structures in the reversed field pinch. IEEE Transactions on Plasma Science, 2002, 30, 50-51.	1.3	0
164	Trapped particles in the RFP single helicity States. IEEE Transactions on Plasma Science, 2005, 33, 460-461.	1.3	0
165	Interaction of Tearing Modes With Passive Structures in a Tokamak. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	0
166	Error Fields™ Computation in the RFX-mod2 Reversed Field Pinch. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	0
167	Model Based Procedure for in Situ Error Compensation of Spatially Distributed Magnetic Sensors. , 2020, , .		0
168	Double Poloidal Field System With Superconducting and Conventional Copper Coils for Induced High Loop Voltage: A New Concept and a Feasibility Study for an RFP FFHR. IEEE Transactions on Plasma Science, 2022, , 1-7.	1.3	0