

Y Q Liu

List of Publications by Year in descending order

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1429
citing authors

#	ARTICLE	IF	CITATIONS
1	Feedback stabilization of nonaxisymmetric resistive wall modes in tokamaks. I. Electromagnetic model. Physics of Plasmas, 2000, 7, 3681-3690.	0.7	341
2	Nonlinear Transition from Mitigation to Suppression of the Edge Localized Mode with Resonant Magnetic Perturbations in the EAST Tokamak. Physical Review Letters, 2016, 117, 115001.	2.9	187
3	Toroidal self-consistent modeling of drift kinetic effects on the resistive wall mode. Physics of Plasmas, 2008, 15, .	0.7	185
4	Full toroidal plasma response to externally applied nonaxisymmetric magnetic fields. Physics of Plasmas, 2010, 17, .	0.7	173
5	Reduced Critical Rotation for Resistive-Wall Mode Stabilization in a Near-Axisymmetric Configuration. Physical Review Letters, 2007, 98, 055001.	2.9	128
6	Stabilization of resistive wall modes in ITER by active feedback and toroidal rotation. Nuclear Fusion, 2004, 44, 232-242.	1.6	121
7	Observation of Lobes near the X Point in Resonant Magnetic Perturbation Experiments on MAST. Physical Review Letters, 2012, 108, 255003.	2.9	112
8	Modelling of plasma response to resonant magnetic perturbation fields in MAST and ITER. Nuclear Fusion, 2011, 51, 083002.	1.6	105
9	Validation of the linear ideal magnetohydrodynamic model of three-dimensional tokamak equilibria. Physics of Plasmas, 2010, 17, 030701.	0.7	102
10	Cross-machine comparison of resonant field amplification and resistive wall mode stabilization by plasma rotation. Physics of Plasmas, 2006, 13, 056107.	0.7	100
11	Active Feedback Stabilization of Toroidal External Modes in Tokamaks. Physical Review Letters, 2000, 84, 907-910.	2.9	96
12	Understanding edge-localized mode mitigation by resonant magnetic perturbations on MAST. Nuclear Fusion, 2013, 53, 043007.	1.6	89
13	Effect of resonant magnetic perturbations on low collisionality discharges in MAST and a comparison with ASDEX Upgrade. Nuclear Fusion, 2015, 55, 043011.	1.6	85
14	Comparisons of linear and nonlinear plasma response models for non-axisymmetric perturbations. Physics of Plasmas, 2013, 20, .	0.7	73
15	Measurement and modeling of three-dimensional equilibria in DIII-D. Physics of Plasmas, 2011, 18, .	0.7	72
16	Magnetic drift kinetic damping of the resistive wall mode in large aspect ratio tokamaks. Physics of Plasmas, 2008, 15, .	0.7	70
17	Magnetic perturbation experiments on MAST L- and H-mode plasmas using internal coils. Plasma Physics and Controlled Fusion, 2011, 53, 065011.	0.9	70
18	Three-Dimensional Drift Kinetic Response of High- β^2 Plasmas in the DIII-D Tokamak. Physical Review Letters, 2015, 114, 145005.	2.9	69

#	ARTICLE	IF	CITATIONS
19	Effect of Trapped Energetic Particles on the Resistive Wall Mode. Physical Review Letters, 2011, 107, 015001.	2.9	68
20	Effects of Three-Dimensional Electromagnetic Structures on Resistive-Wall-Mode Stability of Reversed Field Pinches. Physical Review Letters, 2008, 100, 255005.	2.9	62
21	Feedback and rotational stabilization of resistive wall modes in ITER. Nuclear Fusion, 2005, 45, 1131-1139.	1.6	60
22	Linearly perturbed MHD equilibria and 3D eddy current coupling via the control surface method. Plasma Physics and Controlled Fusion, 2008, 50, 085004.	0.9	60
23	Modelling resistive wall modes in ITER with self-consistent inclusion of drift kinetic resonances. Nuclear Fusion, 2009, 49, 035004.	1.6	60
24	Resistive wall mode control code maturity: progress and specific examples. Plasma Physics and Controlled Fusion, 2010, 52, 104002.	0.9	58
25	ELM control with RMP: plasma response models and the role of edge peeling response. Plasma Physics and Controlled Fusion, 2016, 58, 114005.	0.9	58
26	Non-perturbative modelling of energetic particle effects on resistive wall mode: Anisotropy and finite orbit width. Physics of Plasmas, 2014, 21, .	0.7	57
27	Experimental studies of high-confinement mode plasma response to non-axisymmetric magnetic perturbations in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2017, 59, 014049.	0.9	55
28	Modeling of feedback and rotation stabilization of the resistive wall mode in tokamaks. Physics of Plasmas, 2004, 11, 2497-2504.	0.7	54
29	Toroidal modeling of plasma response and resonant magnetic perturbation field penetration. Plasma Physics and Controlled Fusion, 2012, 54, 124013.	0.9	54
30	Stability of the resistive wall mode in JET. Plasma Physics and Controlled Fusion, 2009, 51, 055015.	0.9	53
31	Toroidal modeling of penetration of the resonant magnetic perturbation field. Physics of Plasmas, 2013, 20, .	0.7	53
32	Active control of resistive wall modes in the large-aspect-ratio tokamak. Nuclear Fusion, 2002, 42, 768-779.	1.6	51
33	Progress in physics and control of the resistive wall mode in advanced tokamaks. Physics of Plasmas, 2009, 16, .	0.7	51
34	Kink instabilities of the post-disruption runaway electron beam at low safety factor. Plasma Physics and Controlled Fusion, 2019, 61, 054001.	0.9	51
35	Feedback stabilization of nonaxisymmetric resistive wall modes in tokamaks. II. Control analysis. Physics of Plasmas, 2000, 7, 4143.	0.7	49
36	Linear ideal MHD predictions for $n=2$ non-axisymmetric magnetic perturbations on DIII-D. Plasma Physics and Controlled Fusion, 2014, 56, 035005.	0.9	49

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37	Edge localized mode control using $n=1$ resonant magnetic perturbation in the EAST tokamak. Nuclear Fusion, 2017, 57, 036007.	1.6	46
38	Resistive wall mode stabilization of high- β^2 plasmas in the National Spherical Torus Experiment. Physics of Plasmas, 2005, 12, 056112.	0.7	45
39	Coupling Between a 3-D Integral Eddy Current Formulation and a Linearized MHD Model for the Analysis of Resistive Wall Modes. IEEE Transactions on Magnetics, 2008, 44, 1654-1657.	1.2	44
40	Comparative investigation of ELM control based on toroidal modelling of plasma response to RMP fields. Physics of Plasmas, 2017, 24, .	0.7	44
41	Active feedback stabilization of high beta modes in advanced tokamaks. Nuclear Fusion, 2001, 41, 455-463.	1.6	43
42	Physics and control of resistive wall modes. Physics of Plasmas, 2002, 9, 2044-2050.	0.7	43
43	Plasma response measurements of external magnetic perturbations using electron cyclotron emission and comparisons to 3D ideal MHD equilibrium. Plasma Physics and Controlled Fusion, 2016, 58, 114004.	0.9	43
44	Runaway electron mitigation by 3D fields in the ASDEX-Upgrade experiment. Plasma Physics and Controlled Fusion, 2018, 60, 014036.	0.9	42
45	Benchmarking kinetic calculations of resistive wall mode stability. Physics of Plasmas, 2014, 21, .	0.7	41
46	Experimental tests of linear and nonlinear three-dimensional equilibrium models in DIII-D. Physics of Plasmas, 2015, 22, .	0.7	40
47	Toroidal modelling of resonant magnetic perturbations response in ASDEX-Upgrade: coupling between field pitch aligned response and kink amplification. Plasma Physics and Controlled Fusion, 2015, 57, 095008.	0.9	40
48	Edge localized mode control experiments on MAST using resonant magnetic perturbations from in-vessel coils. Plasma Physics and Controlled Fusion, 2009, 51, 124010.	0.9	39
49	Effects of $\hat{\pm}$ particles on the resistive wall mode stability in ITER. Nuclear Fusion, 2010, 50, 095008.	1.6	39
50	Toroidal curvature induced screening of external fields by a resistive plasma response. Physics of Plasmas, 2012, 19, .	0.7	38
51	Effects of thick blanket modules on the resistive wall modes stability in ITER. Nuclear Fusion, 2010, 50, 125011.	1.6	38
52	Studies on the response of resistive-wall modes to applied magnetic perturbations in the EXTRAP T2R reversed field pinch. Physics of Plasmas, 2005, 12, 092510.	0.7	37
53	Modelling of plasma response to 3D external magnetic field perturbations in EAST. Plasma Physics and Controlled Fusion, 2016, 58, 114006.	0.9	37
54	Experimental studies of stability and beta limit in JET. Plasma Physics and Controlled Fusion, 2008, 50, 124030.	0.9	35

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55	The effect of resonant magnetic perturbations on the divertor heat and particle fluxes in MAST. Nuclear Fusion, 2014, 54, 064011.	1.6	34
56	Modeling of resistive wall mode and its control in experiments and ITER. Physics of Plasmas, 2006, 13, 056120.	0.7	33
57	A fast technique applied to the analysis of Resistive Wall Modes with 3D conducting structures. Journal of Computational Physics, 2009, 228, 1562-1572.	1.9	33
58	Plasma-Resistivity-Induced Strong Damping of the Kinetic Resistive Wall Mode. Physical Review Letters, 2014, 113, 175001.	2.9	33
59	Theory comparison and numerical benchmarking on neoclassical toroidal viscosity torque. Physics of Plasmas, 2014, 21, .	0.7	32
60	Effect of plasma response on the fast ion losses due to ELM control coils in ITER. Nuclear Fusion, 2016, 56, 046014.	1.6	31
61	Impact of ideal MHD stability limits on high-beta hybrid operation. Plasma Physics and Controlled Fusion, 2017, 59, 014027.	0.9	31
62	Understanding the effect resonant magnetic perturbations have on ELMs. Plasma Physics and Controlled Fusion, 2013, 55, 124003.	0.9	30
63	Active control of multiple resistive wall modes. Plasma Physics and Controlled Fusion, 2005, 47, B25-B36.	0.9	29
64	Resonant and non-resonant internal kink modes excited by the energetic electrons on HL-2A tokamak. Nuclear Fusion, 2017, 57, 036023.	1.6	29
65	Progress of HL-2A experiments and HL-2M program. Nuclear Fusion, 2022, 62, 042020.	1.6	29
66	Toroidal modelling of RMP response in ASDEX Upgrade: coil phase scan, q_{95} dependence, and toroidal torques. Nuclear Fusion, 2016, 56, 056015.	1.6	28
67	Continuum resonance induced electromagnetic torque by a rotating plasma response to static resonant magnetic perturbation field. Physics of Plasmas, 2012, 19, .	0.7	27
68	Effects of resistivity and rotation on the linear plasma response to non-axisymmetric magnetic perturbations on DIII-D. Plasma Physics and Controlled Fusion, 2015, 57, 025015.	0.9	27
69	Tokamak plasma high field side response to an $n=3$ magnetic perturbation: a comparison of 3D equilibrium solutions from seven different codes. Nuclear Fusion, 2015, 55, 063026.	1.6	26
70	Modelling toroidal rotation damping in ITER due to external 3D fields. Nuclear Fusion, 2015, 55, 063027.	1.6	26
71	First demonstration of full ELM suppression in low input torque plasmas to support ITER research plan using $n=4$ RMP in EAST. Nuclear Fusion, 2021, 61, 106037.	1.6	26
72	Modelling intrinsic error field correction experiments in MAST. Plasma Physics and Controlled Fusion, 2014, 56, 104002.	0.9	25

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73	Kinetic effects of trapped energetic particles on stability of external kink modes with a resistive wall. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	24
74	Role of 3D neoclassical particle flux in density pump-out during ELM control by RMP in DIII-D. <i>Nuclear Fusion</i> , 2020, 60, 036018.	1.6	23
75	Effect of resonant magnetic perturbations with toroidal mode numbers of 4 and 6 on edge-localized modes in single null H-mode plasmas in MAST. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 015006.	0.9	22
76	Sawtooth control in JET with ITER relevant low field side resonance ion cyclotron resonance heating and ITER-like wall. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 014033.	0.9	22
77	Axisymmetric benchmarks of impurity dynamics in extended-magnetohydrodynamic simulations. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 064001.	0.9	22
78	Rotation and Kinetic Modifications of the Tokamak Ideal-Wall Pressure Limit. <i>Physical Review Letters</i> , 2014, 113, 255002.	2.9	21
79	A novel path to runaway electron mitigation via deuterium injection and current-driven MHD instability. <i>Nuclear Fusion</i> , 2021, 61, 116058.	1.6	21
80	Robust control of resistive wall modes in tokamaks. <i>Plasma Physics and Controlled Fusion</i> , 2002, 44, L21-L28.	0.9	19
81	Study on resistive wall mode based on plasma response model. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, 969-990.	0.9	19
82	The effect of energetic particles on resistive wall mode stability in MAST. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 065022.	0.9	19
83	Stabilization of the resistive wall mode instability by trapped energetic particles. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	19
84	Modification of $\hat{\Gamma}^2$ by magnetic feedback and kinetic effects. <i>Physics of Plasmas</i> , 2012, 19, 092510.	0.7	18
85	Mechanics of ELM control coil induced fast particle transport in ITER. <i>Nuclear Fusion</i> , 2018, 58, 076021.	1.6	18
86	Numerical simulations of NBI fast ion loss with RMPs on the EAST tokamak. <i>Nuclear Fusion</i> , 2020, 60, 086013.	1.6	18
87	Effects of kinetic resonances on the stability of resistive wall modes in reversed field pinch. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 085024.	0.9	17
88	Screening of external magnetic perturbation fields due to sheared plasma flow. <i>Nuclear Fusion</i> , 2016, 56, 092008.	1.6	17
89	Protecting ITER walls: fast ion power loads in 3D magnetic field. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 014013.	0.9	17
90	Dynamic divertor control using resonant mixed toroidal harmonic magnetic fields during ELM suppression in DIII-D. <i>Physics of Plasmas</i> , 2018, 25, 056102.	0.7	17

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91	Feedback control of resistive wall modes in toroidal devices. Nuclear Fusion, 2004, 44, 77-86.	1.6	16
92	Measurement, correction and implications of the intrinsic error fields on MAST. Plasma Physics and Controlled Fusion, 2014, 56, 104003.	0.9	16
93	Stabilization of resistive wall modes in tokamaks by drift kinetic effects combined with magnetic feedback. Nuclear Fusion, 2015, 55, 093007.	1.6	16
94	Detachment in Fusion Plasmas with Symmetry Breaking Magnetic Perturbation Fields. Physical Review Letters, 2020, 125, 155001.	2.9	16
95	Edge-coherent oscillation providing nearly continuous transport during edge-localized mode mitigation by $n = 1$ resonant magnetic perturbation in HL-2A. Nuclear Fusion, 2021, 61, 036020.	1.6	16
96	Toroidal modeling of interaction between resistive wall mode and plasma flow. Physics of Plasmas, 2013, 20, .	0.7	15
97	The effects of resonant magnetic perturbations and charge-exchange reactions on fast ion confinement and neutron emission in the Mega Amp Spherical Tokamak. Plasma Physics and Controlled Fusion, 2018, 60, 095005.	0.9	15
98	Toroidal modeling of runaway electron loss due to 3-D fields in DIII-D and COMPASS. Physics of Plasmas, 2020, 27, 102507.	0.7	15
99	Optimizing beam-ion confinement in ITER by adjusting the toroidal phase of the 3D magnetic fields applied for ELM control. Nuclear Fusion, 2021, 61, 046006.	1.6	15
100	The role of thermal conduction in tearing mode theory. Plasma Physics and Controlled Fusion, 2015, 57, 065001.	0.9	14
101	Toroidal plasma response based ELM control coil design for EU DEMO. Nuclear Fusion, 2018, 58, 076025.	1.6	14
102	Resistive versus ideal plasma response to RMP fields in DIII-D: roles of q_{95} and X-point geometry. Nuclear Fusion, 2019, 59, 086012.	1.6	14
103	Modelling resonant field amplification due to low- n peeling modes in JET. Plasma Physics and Controlled Fusion, 2010, 52, 045011.	0.9	13
104	Characteristics of X-point lobe structures in single-null discharges on MAST. Nuclear Fusion, 2014, 54, 064015.	1.6	13
105	Application of a non-steady-state orbit-following Monte-Carlo code to neutron modeling in the MAST spherical tokamak. Plasma Physics and Controlled Fusion, 2016, 58, 105005.	0.9	13
106	Combined effects of trapped energetic ions and resistive layer damping on the stability of the resistive wall mode. Physics of Plasmas, 2016, 23, .	0.7	13
107	Influence of resonant magnetic perturbations and induced islands on plasma rotations and turbulence properties in the J-TEXT tokamak. Nuclear Fusion, 2019, 59, 046003.	1.6	13
108	Passive deconfinement of runaway electrons using an in-vessel helical coil. Nuclear Fusion, 2021, 61, 106033.	1.6	13

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109	An improved method to evaluate the ideal no-wall beta limit from resonant field amplification measurements in JET. Plasma Physics and Controlled Fusion, 2009, 51, 115005.	0.9	12
110	Requirements for active resistive wall mode (RWM) feedback control. Plasma Physics and Controlled Fusion, 2010, 52, 104004.	0.9	12
111	Toroidal modeling of plasma response to RMP fields in ITER. Plasma Physics and Controlled Fusion, 2017, 59, 044005.	0.9	12
112	Toroidal modeling of thermal particle drift kinetic effects and sub-sonic plasma flow on internal kink mode. Physics of Plasmas, 2019, 26, .	0.7	12
113	An analytical demonstration of coupling schemes between magnetohydrodynamic codes and eddy current codes. Physics of Plasmas, 2008, 15, 072516.	0.7	11
114	Resonant field amplification with feedback-stabilized regime in current driven resistive wall mode. Physics of Plasmas, 2010, 17, 072510.	0.7	11
115	Active control of the resistive wall mode with power saturation. Physics of Plasmas, 2012, 19, 012502.	0.7	11
116	Neural network based prediction of no-wall β_N limits due to ideal external kink instabilities. Plasma Physics and Controlled Fusion, 2020, 62, 045001.	0.9	11
117	Application of machine learning and artificial intelligence to extend EFIT equilibrium reconstruction. Plasma Physics and Controlled Fusion, 2022, 64, 074001.	0.9	11
118	Constructing plasma response models from full toroidal magnetohydrodynamic computations. Computer Physics Communications, 2007, 176, 161-169.	3.0	10
119	Effects of plasma shear flow on the RWM stability in ITER. Nuclear Fusion, 2015, 55, 063022.	1.6	10
120	Kinetic calculation of the resistive wall mode and fishbone-like mode instability in tokamak. Physics of Plasmas, 2016, 23, 062105.	0.7	10
121	A rigorous approach to study kinetic and 3D effects on resistive wall mode. Plasma Physics and Controlled Fusion, 2009, 51, 115008.	0.9	9
122	Synergetic effects of magnetic feedback and plasma flow on resistive wall mode stability in tokamaks. Plasma Physics and Controlled Fusion, 2014, 56, 095009.	0.9	9
123	Three-dimensional equilibria and island energy transport due to resonant magnetic perturbation edge localized mode suppression on DIII-D. Physics of Plasmas, 2015, 22, .	0.7	9
124	Bifurcation of resistive wall mode dynamics predicted by magnetohydrodynamic-kinetic hybrid theory. Physics of Plasmas, 2015, 22, .	0.7	9
125	Plasma response based RMP coil geometry optimization for an ITER plasma. Plasma Physics and Controlled Fusion, 2016, 58, 115003.	0.9	9
126	A comparative study of ideal kink stability in two reactor-relevant tokamak plasma configurations with negative and positive triangularity. Plasma Physics and Controlled Fusion, 2016, 58, 115009.	0.9	9

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127	Effect of anisotropic thermal transport on the resistive plasma response to resonant magnetic perturbation field. Physics of Plasmas, 2017, 24, 102505.	0.7	9
128	Modeling of toroidal torques exerted by internal kink instability in a tokamak plasma. Physics of Plasmas, 2017, 24, 082507.	0.7	9
129	Stability of ideal and non-ideal edge localized infernal mode. Physics of Plasmas, 2017, 24, .	0.7	9
130	Toroidal modelling of resistive internal kink and fishbone instabilities. Physics of Plasmas, 2018, 25, 052504.	0.7	9
131	Toroidal modelling of core plasma flow damping by RMP fields in hybrid discharge on ASDEX upgrade. Nuclear Fusion, 2020, 60, 096006.	1.6	9
132	Toroidal field and q 95 scalings on error field penetration in EAST. Nuclear Fusion, 2020, 60, 126008.	1.6	9
133	Non-linear MHD modelling of edge localized modes suppression by resonant magnetic perturbations in ITER. Nuclear Fusion, 2022, 62, 066022.	1.6	9
134	Resistive wall tearing mode generated finite net electromagnetic torque in a static plasma. Physics of Plasmas, 2014, 21, 012503.	0.7	8
135	Effects of poloidal and parallel flows on resistive wall mode instability in toroidally rotating plasmas. Nuclear Fusion, 2019, 59, 126035.	1.6	8
136	Penetration of $n = 2$ resonant magnetic field perturbations in EAST. Nuclear Fusion, 2021, 61, 056007.	1.6	8
137	Multiscale Chirping Modes Driven by Thermal Ions in a Plasma with Reactor-Relevant Ion Temperature. Physical Review Letters, 2021, 127, 025001.	2.9	8
138	Optimization of sensor signals for resistive wall mode control in ITER. Nuclear Fusion, 2007, 47, 648-658.	1.6	7
139	Tearing stability in toroidal plasmas with shaped cross section. Plasma Physics and Controlled Fusion, 2012, 54, 105014.	0.9	7
140	Effect of large magnetic islands on screening of external magnetic perturbation fields at slow plasma flow. Physics of Plasmas, 2017, 24, .	0.7	7
141	Toroidal modeling of the $n = 1$ intrinsic error field correction experiments in EAST. Plasma Physics and Controlled Fusion, 2018, 60, 055004.	0.9	7
142	Feedback stabilization of ideal kink and resistive wall modes in tokamak plasmas with negative triangularity. Nuclear Fusion, 2018, 58, 126017.	1.6	7
143	Destabilization of resistive plasma resistive wall mode by anisotropic thermal transport. Physics of Plasmas, 2018, 25, .	0.7	7
144	Influence of up-down asymmetry in plasma shape on RMP response. Plasma Physics and Controlled Fusion, 2021, 63, 065003.	0.9	7

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145	Drift orbit islands of energetic particles due to 3D fields in ITER. Nuclear Fusion, 2021, 61, 106029.	1.6	7
146	Overview of the COMPASS results [*] . Nuclear Fusion, 2022, 62, 042021.	1.6	7
147	Full model based sensor optimization for RWM control. Plasma Physics and Controlled Fusion, 2009, 51, 115006.	0.9	6
148	Numerically derived parametrisation of optimal RMP coil phase as a guide to experiments on ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2017, 59, 024005.	0.9	6
149	Projected global stability of high beta MAST-U spherical tokamak plasmas. Plasma Physics and Controlled Fusion, 2020, 62, 085007.	0.9	6
150	Interaction between runaway electrons and internal kink in a post-disruption plasma. Nuclear Fusion, 2021, 61, 116021.	1.6	6
151	Toroidal modeling of plasma response to RMP fields for HL-2M. Nuclear Fusion, 2021, 61, 126031.	1.6	6
152	Divertor detachment in the pre-fusion power operation phase in ITER during application of resonant magnetic perturbations. Nuclear Fusion, 2021, 61, 126027.	1.6	6
153	Modelling of 3D fields due to ferritic inserts and test blanket modules in toroidal geometry at ITER. Nuclear Fusion, 2016, 56, 066001.	1.6	5
154	The interaction between fishbone modes and shear Alfvén waves in tokamak plasmas. Nuclear Fusion, 2016, 56, 054003.	1.6	5
155	Drift kinetic effects on plasma response in high beta spherical tokamak experiments. Nuclear Fusion, 2018, 58, 016015.	1.6	5
156	Toroidal modeling of resistive wall mode stability and control in HL-2M tokamak. Nuclear Fusion, 2019, 59, 016017.	1.6	5
157	Expanded capabilities of the CarMa code in modeling resistive wall mode dynamics with 3-D conductors. Plasma Physics and Controlled Fusion, 2020, 62, 045016.	0.9	5
158	A comparative study of internal kink stability in EU DEMO designs with negative and positive triangularity. Plasma Physics and Controlled Fusion, 2021, 63, 065007.	0.9	5
159	The role of 3D fields on runaway electron mitigation in ASDEX Upgrade: a numerical test particle approach. Nuclear Fusion, 2021, 61, 066037.	1.6	5
160	Self-consistent simulation of resistive kink instabilities with runaway electrons. Plasma Physics and Controlled Fusion, 2021, 63, 125031.	0.9	5
161	Plasma response to resonant magnetic perturbations near rotation zero-crossing in low torque plasmas. Physics of Plasmas, 2021, 28, .	0.7	5
162	Understanding of neoclassical offset rotation based on DIII-D experiments. Physics of Plasmas, 2021, 28, 112502.	0.7	5

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163	Coupling plasmas and 3D passive structures in the JET tokamak. International Journal of Applied Electromagnetics and Mechanics, 2010, 33, 533-540.	0.3	4
164	Effect of resonant magnetic perturbations on ELMs in connected double null plasmas in MAST. Plasma Physics and Controlled Fusion, 2013, 55, 045007.	0.9	4
165	Multimachine Data-Based Prediction of High-Frequency Sensor Signal Noise for Resistive Wall Mode Control in ITER. Fusion Science and Technology, 2016, 70, 387-405.	0.6	4
166	Toroidal modeling of interaction between internal kink mode and plasma flow. Physics of Plasmas, 2018, 25, .	0.7	4
167	Numerical survey of predicted peeling response in edge localised mode mitigated and suppressed phases on ASDEX upgrade. Plasma Physics and Controlled Fusion, 2019, 61, 095010.	0.9	4
168	Toroidal modeling of anisotropic thermal transport and energetic particle effects on stability of resistive plasma resistive wall mode. Physics of Plasmas, 2020, 27, 072502.	0.7	4
169	ELM control optimization for various ITER scenarios based on linear and quasi-linear figures of merit. Physics of Plasmas, 2020, 27, 042510.	0.7	4
170	Modification of favorable average curvature effect by changing parallel sound wave behavior in tokamak plasmas. Nuclear Fusion, 2021, 61, 066016.	1.6	4
171	Effect of runaway electrons on tearing mode stability: with or without favorable curvature stabilization. Nuclear Fusion, 2021, 61, 096034.	1.6	4
172	Resistive wall mode stability and resonant field amplification in MAST high beta plasma. Nuclear Fusion, 2021, 61, 116022.	1.6	4
173	Modeling plasma toroidal flow profile control via NTV torque with $n = 2$ 3D fields in MAST-U. Nuclear Fusion, 2020, 60, 096026.	1.6	4
174	Neural network based fast prediction of $\hat{\Gamma}^2 _N$ limits in HL-2M. Plasma Physics and Controlled Fusion, 2022, 64, 045010.	0.9	4
175	Influence of triangularity on the plasma response to resonant magnetic perturbations. Nuclear Fusion, 2022, 62, 076031.	1.6	4
176	Effects of plasma boundary shape on the $\hat{\Gamma}^2 _N$ threshold in the suppression of tearing mode in toroidal tokamak plasmas with reversed magnetic shear. Plasma Physics and Controlled Fusion, 2022, 64, 085005.	0.9	4
177	Toroidal Modeling of RWM Feedback in the Presence of Control Voltage Saturation and Sensor Noise. Fusion Science and Technology, 2018, 73, 519-532.	0.6	3
178	Multiple branches of resistive wall mode instability in a resistive plasma. Physics of Plasmas, 2018, 25, .	0.7	3
179	Screening of resonant magnetic perturbation fields by poloidally varying toroidal plasma rotation. Physics of Plasmas, 2018, 25, 082512.	0.7	3
180	Non-linear interplay between edge localized infernal mode and plasma flow. Nuclear Fusion, 2019, 59, 066011.	1.6	3

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181	Influence of elongation and triangularity on plasma response to resonant magnetic perturbations. Nuclear Fusion, 2022, 62, 016013.	1.6	3
182	Drift kinetic effects and local current drive induced modification of magnetic shear on sawtooth activity in EU DEMO. Nuclear Fusion, 2020, 60, 126011.	1.6	3
183	Analytic investigation of combined effects of anisotropic thermal transport and energetic particles on stability of resistive plasma resistive wall mode. Physics of Plasmas, 2020, 27, 124502.	0.7	3
184	Toroidal modeling of runaway electron loss due to 3D fields in ITER. Nuclear Fusion, 2022, 62, 066026.	1.6	3
185	Loss of energetic particles due to resistive wall mode instability in ITER. Nuclear Fusion, 2022, 62, 066011.	1.6	3
186	Quasi-linear toroidal simulations of resonant magnetic perturbations in eight ITER H-mode scenarios. Nuclear Fusion, 2022, 62, 096008.	1.6	3
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