Y Q Liu

List of Publications by Year
in descending order

208 papers	5,599 citations	66234 42 h-index	106150 65 g-index
208 all docs	208 docs citations	208 times ranked	1429 citing authors

#	Article	IF	Citations
1	Influence of elongation and triangularity on plasma response to resonant magnetic perturbations. Nuclear Fusion, 2022, 62, 016013.	1.6	3
2	Overview of the COMPASS results [*]. Nuclear Fusion, 2022, 62, 042021.	1.6	7
3	Progress of HL-2A experiments and HL-2M program. Nuclear Fusion, 2022, 62, 042020.	1.6	29
4	Non-linear MHD modelling of edge localized modes suppression by resonant magnetic perturbations in ITER. Nuclear Fusion, 2022, 62, 066022.	1.6	9
5	Neural network based fast prediction of Î² _N limits in HL-2M. Plasma Physics and Controlled Fusion, 2022, 64, 045010.	0.9	4
6	Influence of triangularity on the plasma response to resonant magnetic perturbations. Nuclear Fusion, 2022, 62, 076031.	1.6	4
7	Toward holistic understanding of the ITER-like resonant magnetic perturbation (RMP) ELM control on KSTAR. Nuclear Fusion, 2022, 62, 066014.	1.6	1
8	Toroidal modeling of runaway electron loss due to 3D fields in ITER. Nuclear Fusion, 2022, 62, 066026.	1.6	3
9	Loss of energetic particles due to resistive wall mode instability in ITER. Nuclear Fusion, 2022, 62, 066011.	1.6	3
10	Quasi-linear toroidal simulations of resonant magnetic perturbations in eight ITER H-mode scenarios. Nuclear Fusion, 2022, 62, 096008.	1.6	3
11	Application of machine learning and artificial intelligence to extend EFIT equilibrium reconstruction. Plasma Physics and Controlled Fusion, 2022, 64, 074001.	0.9	11
12	Effects of plasma boundary shape on the Î²_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
13	Active control of resistive wall mode via modification of external tearing index. Physics of Plasmas, 2021, 28, 012504.	0.7	2
14	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
15	Ideal internal kink stability in presence of plasma flow and neoclassical toroidal viscosity due to energetic particles. Nuclear Fusion, 2021, 61, 046042.	1.6	2
16	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
17	MARS-Q modeling of kink-peeling instabilities in DIII-D QH-mode plasma. Nuclear Fusion, 2021, 61, 046038.	1.6	0
18	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

#	Article	IF	Citations
19	Excitation of fishbone-like mode in tokamaks due to bounce resonances of trapped thermal ions. AIP Advances, 2021, 11, 045313.	0.6	1
20	Modification of favorable average curvature effect by changing parallel sound wave behavior in tokamak plasmas. Nuclear Fusion, 2021, 61, 066016.	1.6	4
21	Influence of up-down asymmetry in plasma shape on RMP response. Plasma Physics and Controlled Fusion, 2021, 63, 065003.	0.9	7
22	Penetration of nâ€‰=â€‰2 resonant magnetic field perturbations in EAST. Nuclear Fusion, 2021, 61, 056007.	1.6	8
23	Modeling active control of resistive wall mode with power saturation and sensor noise on HL-2M. Plasma Physics and Controlled Fusion, 2021, 63, 055019.	0.9	1
24	Influence of Off-Axis Neutral Beam Injection on Resistive Wall Mode Stability. Journal of Fusion Energy, 2021, 40, 1.	0.5	0
25	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
26	Toroidal modeling of runaway avalanche in DIII-D discharges. Nuclear Fusion, 2021, 61, 066038.	1.6	2
27	Numerical investigation of active control of tearing mode by magnetic coils and the role of Î”â€². Plasma Physics and Controlled Fusion, 2021, 63, 075015.	0.9	1
28	Multiscale Chirping Modes Driven by Thermal Ions in a Plasma with Reactor-Relevant Ion Temperature. Physical Review Letters, 2021, 127, 025001.	2.9	8
29	Screening of resonant magnetic perturbation fields assuming various plasma flow models. Physics of Plasmas, 2021, 28, 082504.	0.7	1
30	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
31	Effect of runaway electrons on tearing mode stability: with or without favorable curvature stabilization. Nuclear Fusion, 2021, 61, 096034.	1.6	4
32	Effect of single-legged coil on 3D plasma boundary corrugation in EAST. Plasma Science and Technology, 2021, 23, 105101.	0.7	0
33	Passive deconfinement of runaway electrons using an in-vessel helical coil. Nuclear Fusion, 2021, 61, 106033.	1.6	13
34	Self-consistent simulation of resistive kink instabilities with runaway electrons. Plasma Physics and Controlled Fusion, 2021, 63, 125031.	0.9	5
35	Drift orbit islands of energetic particles due to 3D fields in ITER. Nuclear Fusion, 2021, 61, 106029.	1.6	7
36	Plasma response to resonant magnetic perturbations near rotation zero-crossing in low torque plasmas. Physics of Plasmas, 2021, 28, .	0.7	5

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37	Resistive wall mode stability and resonant field amplification in MAST high beta plasma. Nuclear Fusion, 2021, 61, 116022.	1.6	4
38	Interaction between runaway electrons and internal kink in a post-disruption plasma. Nuclear Fusion, 2021, 61, 116021.	1.6	6
39	A novel path to runaway electron mitigation via deuterium injection and current-driven MHD instability. Nuclear Fusion, 2021, 61, 116058.	1.6	21
40	Toroidal modeling of plasma response to RMP fields for HL-2M. Nuclear Fusion, 2021, 61, 126031.	1.6	6
41	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
42	Understanding of neoclassical offset rotation based on DIII-D experiments. Physics of Plasmas, 2021, 28, 112502.	0.7	5
43	Detachment in Fusion Plasmas with Symmetry Breaking Magnetic Perturbation Fields. Physical Review Letters, 2020, 125, 155001.	2.9	16
44	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
45	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
46	ELM control based on modeling of plasma response to n = 2 and n = 3 resonant magnetic perturbation fields in DIII-D. AIP Advances, 2020, 10, 055316.	0.6	1
47	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
48	Numerical simulations of NBI fast ion loss with RMPs on the EAST tokamak. Nuclear Fusion, 2020, 60, 086013.	1.6	18
49	Effects of temperature gradient driven turbulence and core MHD instability on particle transport in HL-2A L-mode plasmas. Nuclear Fusion, 2020, 60, 076005.	1.6	1
50	Projected global stability of high beta MAST-U spherical tokamak plasmas. Plasma Physics and Controlled Fusion, 2020, 62, 085007.	0.9	6
51	Synergistic effects of turbulence induced viscosity and plasma flow on resistive wall mode instability. Plasma Physics and Controlled Fusion, 2020, 62, 075007.	0.9	0
52	Role of 3D neoclassical particle flux in density pump-out during ELM control by RMP in DIII-D. Nuclear Fusion, 2020, 60, 036018.	1.6	23
53	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
54	Neural network based prediction of no-wall Î² _N limits due to ideal external kink instabilities. Plasma Physics and Controlled Fusion, 2020, 62, 045001.	0.9	11

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55	Matrix-Based Rational Interpolation for New Coupling Scheme Between MHD and Eddy-Current Numerical Models. IEEE Transactions on Magnetics, 2020, 56, 1-4.	1.2	1
56	Toroidal modelling of core plasma flow damping by RMP fields in hybrid discharge on ASDEX upgrade. Nuclear Fusion, 2020, 60, 096006.	1.6	9
57	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
58	Toroidal field and q 95 scalings on error field penetration in EAST. Nuclear Fusion, 2020, 60, 126008.	1.6	9
59	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
60	Progress of Experimental Studies in the HL-2A Tokamak. Journal of Fusion Energy, 2020, 39, 313-335.	0.5	2
61	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
62	Modeling of resistive plasma response in toroidal geometry using an asymptotic matching approach. Physics of Plasmas, 2020, 27, .	0.7	1
63	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
64	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
65	Effects of poloidal and parallel flows on resistive wall mode instability in toroidally rotating plasmas. Nuclear Fusion, 2019, 59, 126035.	1.6	8
66	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
67	Kink instabilities of the post-disruption runaway electron beam at low safety factor. Plasma Physics and Controlled Fusion, 2019, 61, 054001.	0.9	51
68	Axisymmetric benchmarks of impurity dynamics in extended-magnetohydrodynamic simulations. Plasma Physics and Controlled Fusion, 2019, 61, 064001.	0.9	22
69	Non-linear interplay between edge localized infernal mode and plasma flow. Nuclear Fusion, 2019, 59, 066011.	1.6	3
70	Toroidal modeling of resistive wall mode stability and control in HL-2M tokamak. Nuclear Fusion, 2019, 59, 016017.	1.6	5
71	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
72	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

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73	Dynamic divertor control using resonant mixed toroidal harmonic magnetic fields during ELM suppression in DIII-D. Physics of Plasmas, 2018, 25, 056102.	0.7	17
74	Multiple branches of resistive wall mode instability in a resistive plasma. Physics of Plasmas, 2018, 25, .	0.7	3
75	Toroidal modeling of then= 1 intrinsic error field correction experiments in EAST. Plasma Physics and Controlled Fusion, 2018, 60, 055004.	0.9	7
76	Runaway electron mitigation by 3D fields in the ASDEX-Upgrade experiment. Plasma Physics and Controlled Fusion, 2018, 60, 014036.	0.9	42
77	Feedback stabilization of ideal kink and resistive wall modes in tokamak plasmas with negative triangularity. Nuclear Fusion, 2018, 58, 126017.	1.6	7
78	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
79	Toroidal modeling of interaction between internal kink mode and plasma flow. Physics of Plasmas, 2018, 25, .	0.7	4
80	Drift kinetic effects on plasma response in high beta spherical tokamak experiments. Nuclear Fusion, 2018, 58, 016015.	1.6	5
81	Destabilization of resistive plasma resistive wall mode by anisotropic thermal transport. Physics of Plasmas, 2018, 25, .	0.7	7
82	Screening of resonant magnetic perturbation fields by poloidally varying toroidal plasma rotation. Physics of Plasmas, 2018, 25, 082512.	0.7	3
83	Mechanics of ELM control coil induced fast particle transport in ITER. Nuclear Fusion, 2018, 58, 076021.	1.6	18
84	Toroidal plasma response based ELM control coil design for EU DEMO. Nuclear Fusion, 2018, 58, 076025.	1.6	14
85	Toroidal modelling of resistive internal kink and fishbone instabilities. Physics of Plasmas, 2018, 25, 052504.	0.7	9
86	Toroidal modeling of plasma response to RMP fields in ITER. Plasma Physics and Controlled Fusion, 2017, 59, 044005.	0.9	12
87	Resonant and non-resonant internal kink modes excited by the energetic electrons on HL-2A tokamak. Nuclear Fusion, 2017, 57, 036023.	1.6	29
88	Effect of large magnetic islands on screening of external magnetic perturbation fields at slow plasma flow. Physics of Plasmas, 2017, 24, .	0.7	7
89	Comparative investigation of ELM control based on toroidal modelling of plasma response to RMP fields. Physics of Plasmas, 2017, 24, .	0.7	44
90	Edge localized mode control using nâ€‰â€‰=â€‰â€‰1 resonant magnetic perturbation in the EAST tokamak. Nuclear Fusion, 2017, 57, 036007.	1.6	46

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91	Effect of anisotropic thermal transport on the resistive plasma response to resonant magnetic perturbation field. Physics of Plasmas, 2017, 24, 102505.	0.7	9
92	Modeling of toroidal torques exerted by internal kink instability in a tokamak plasma. Physics of Plasmas, 2017, 24, 082507.	0.7	9
93	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
94	Protecting ITER walls: fast ion power loads in 3D magnetic field. Plasma Physics and Controlled Fusion, 2017, 59, 014013.	0.9	17
95	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
96	Impact of ideal MHD stability limits on high-beta hybrid operation. Plasma Physics and Controlled Fusion, 2017, 59, 014027.	0.9	31
97	Stability of ideal and non-ideal edge localized infernal mode. Physics of Plasmas, 2017, 24, .	0.7	9
98	Kinetic calculation of the resistive wall mode and fishbone-like mode instability in tokamak. Physics of Plasmas, 2016, 23, 062105.	0.7	10
99	Multimachine Dataâ€“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
100	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
101	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
102	Effect of plasma response on the fast ion losses due to ELM control coils in ITER. Nuclear Fusion, 2016, 56, 046014.	1.6	31
103	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
104	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
105	Screening of external magnetic perturbation fields due to sheared plasma flow. Nuclear Fusion, 2016, 56, 092008.	1.6	17
106	Modelling of plasma response to 3D external magnetic field perturbations in EAST. Plasma Physics and Controlled Fusion, 2016, 58, 114006.	0.9	37
107	Toroidal modelling of RMP response in ASDEX Upgrade: coil phase scan, q₉₅ dependence, and toroidal torques. Nuclear Fusion, 2016, 56, 056015.	1.6	28
108	The interaction between fishbone modes and shear AlfvÃ©n waves in tokamak plasmas. Nuclear Fusion, 2016, 56, 054003.	1.6	5

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109	Plasma response based RMP coil geometry optimization for an ITER plasma. Plasma Physics and Controlled Fusion, 2016, 58, 115003.	0.9	9
110	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
111	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
112	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
113	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
114	Experimental tests of linear and nonlinear three-dimensional equilibrium models in DIII-D. Physics of Plasmas, 2015, 22, .	0.7	40
115	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
116	Bifurcation of resistive wall mode dynamics predicted by magnetohydrodynamic-kinetic hybrid theory. Physics of Plasmas, 2015, 22, .	0.7	9
117	Tokamak plasma high field side response to ann= 3 magnetic perturbation: a comparison of 3D equilibrium solutions from seven different codes. Nuclear Fusion, 2015, 55, 063026.	1.6	26
118	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
119	Sawtooth control in JET with ITER relevant low field side resonance ion cyclotron resonance heating and ITER-like wall. Plasma Physics and Controlled Fusion, 2015, 57, 014033.	0.9	22
120	The role of thermal conduction in tearing mode theory. Plasma Physics and Controlled Fusion, 2015, 57, 065001.	0.9	14
121	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
122	Three-Dimensional Drift Kinetic Response of High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>Plasmas in the DIII-D Tokamak. Physical Review Letters, 2015, 114, 145005.	2.9	69
123	Effects of plasma shear flow on the RWM stability in ITER. Nuclear Fusion, 2015, 55, 063022.	1.6	10
124	Modelling toroidal rotation damping in ITER due to external 3D fields. Nuclear Fusion, 2015, 55, 063027.	1.6	26
125	Stabilization of resistive wall modes in tokamaks by drift kinetic effects combined with magnetic feedback. Nuclear Fusion, 2015, 55, 093007.	1.6	16
126	Measurement, correction and implications of the intrinsic error fields on MAST. Plasma Physics and Controlled Fusion, 2014, 56, 104003.	0.9	16

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127	Rotation and Kinetic Modifications of the Tokamak Ideal-Wall Pressure Limit. Physical Review Letters, 2014, 113, 255002.	2.9	21
128	Modelling intrinsic error field correction experiments in MAST. Plasma Physics and Controlled Fusion, 2014, 56, 104002.	0.9	25
129	Resistive wall tearing mode generated finite net electromagnetic torque in a static plasma. Physics of Plasmas, 2014, 21, 012503.	0.7	8
130	Benchmarking kinetic calculations of resistive wall mode stability. Physics of Plasmas, 2014, 21, .	0.7	41
131	Non-perturbative modelling of energetic particle effects on resistive wall mode: Anisotropy and finite orbit width. Physics of Plasmas, 2014, 21, .	0.7	57
132	The effect of resonant magnetic perturbations on the divertor heat and particle fluxes in MAST. Nuclear Fusion, 2014, 54, 064011.	1.6	34
133	Characteristics of X-point lobe structures in single-null discharges on MAST. Nuclear Fusion, 2014, 54, 064015.	1.6	13
134	Linear ideal MHD predictions forn= 2 non-axisymmetric magnetic perturbations on DIII-D. Plasma Physics and Controlled Fusion, 2014, 56, 035005.	0.9	49
135	Theory comparison and numerical benchmarking on neoclassical toroidal viscosity torque. Physics of Plasmas, 2014, 21, .	0.7	32
136	Plasma-Resistivity-Induced Strong Damping of the Kinetic Resistive Wall Mode. Physical Review Letters, 2014, 113, 175001.	2.9	33
137	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
138	The role of pressure flattening in calculating tearing mode stability. Plasma Physics and Controlled Fusion, 2013, 55, 125015.	0.9	2
139	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
140	Understanding edge-localized mode mitigation by resonant magnetic perturbations on MAST. Nuclear Fusion, 2013, 53, 043007.	1.6	89
141	Toroidal modeling of interaction between resistive wall mode and plasma flow. Physics of Plasmas, 2013, 20, .	0.7	15
142	Comparisons of linear and nonlinear plasma response models for non-axisymmetric perturbations. Physics of Plasmas, 2013, 20, .	0.7	73
143	Toroidal modeling of penetration of the resonant magnetic perturbation field. Physics of Plasmas, 2013, 20, .	0.7	53
144	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. Plasma Physics and Controlled Fusion, 2013, 55, 015006.	0.9	22

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145	Understanding the effect resonant magnetic perturbations have on ELMs. Plasma Physics and Controlled Fusion, 2013, 55, 124003.	0.9	30
146	Active control of the resistive wall mode with power saturation. Physics of Plasmas, 2012, 19, 012502.	0.7	11
147	Toroidal curvature induced screening of external fields by a resistive plasma response. Physics of Plasmas, 2012, 19, .	0.7	38
148	Kinetic effects of trapped energetic particles on stability of external kink modes with a resistive wall. Physics of Plasmas, 2012, 19, .	0.7	24
149	Modification of Î”â€² by magnetic feedback and kinetic effects. Physics of Plasmas, 2012, 19, 092510.	0.7	18
150	Tearing stability in toroidal plasmas with shaped cross section. Plasma Physics and Controlled Fusion, 2012, 54, 105014.	0.9	7
151	Continuum resonance induced electromagnetic torque by a rotating plasma response to static resonant magnetic perturbation field. Physics of Plasmas, 2012, 19, .	0.7	27
152	Analysis of stochastic magnetic fields formed by the application of resonant magnetic perturbations on MAST and comparison with experiment. Nuclear Fusion, 2012, 52, 054007.	1.6	2
153	Toroidal modeling of plasma response and resonant magnetic perturbation field penetration. Plasma Physics and Controlled Fusion, 2012, 54, 124013.	0.9	54
154	Observation of Lobes near the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi></mml:math>Point in Resonant Magnetic Perturbation Experiments on MAST. Physical Review Letters, 2012, 108, 255003.	2.9	112
155	Modelling of plasma response to resonant magnetic perturbation fields in MAST and ITER. Nuclear Fusion, 2011, 51, 083002.	1.6	105
156	Effect of Trapped Energetic Particles on the Resistive Wall Mode. Physical Review Letters, 2011, 107, 015001.	2.9	68
157	Magnetic perturbation experiments on MAST L- and H-mode plasmas using internal coils. Plasma Physics and Controlled Fusion, 2011, 53, 065011.	0.9	70
158	Effects of kinetic resonances on the stability of resistive wall modes in reversed field pinch. Plasma Physics and Controlled Fusion, 2011, 53, 085024.	0.9	17
159	The effect of energetic particles on resistive wall mode stability in MAST. Plasma Physics and Controlled Fusion, 2011, 53, 065022.	0.9	19
160	Measurement and modeling of three-dimensional equilibria in DIII-D. Physics of Plasmas, 2011, 18, .	0.7	72
161	Stabilization of the resistive wall mode instability by trapped energetic particles. Physics of Plasmas, 2011, 18, .	0.7	19
162	Coupling plasmas and 3D passive structures in the JET tokamak. International Journal of Applied Electromagnetics and Mechanics, 2010, 33, 533-540.	0.3	4

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163	Requirements for active resistive wall mode (RWM) feedback control. Plasma Physics and Controlled Fusion, 2010, 52, 104004.	0.9	12
164	Modelling resonant field amplification due to low-npeeling modes in JET. Plasma Physics and Controlled Fusion, 2010, 52, 045011.	0.9	13
165	Effects of Î± particles on the resistive wall mode stability in ITER. Nuclear Fusion, 2010, 50, 095008.	1.6	39
166	Full toroidal plasma response to externally applied nonaxisymmetric magnetic fields. Physics of Plasmas, 2010, 17, .	0.7	173
167	Validation of the linear ideal magnetohydrodynamic model of three-dimensional tokamak equilibria. Physics of Plasmas, 2010, 17, 030701.	0.7	102
168	Resonant field amplification with feedback-stabilized regime in current driven resistive wall mode. Physics of Plasmas, 2010, 17, 072510.	0.7	11
169	Resistive wall mode control code maturity: progress and specific examples. Plasma Physics and Controlled Fusion, 2010, 52, 104002.	0.9	58
170	Effects of thick blanket modules on the resistive wall modes stability in ITER. Nuclear Fusion, 2010, 50, 125011.	1.6	38
171	Progress in physics and control of the resistive wall mode in advanced tokamaks. Physics of Plasmas, 2009, 16, .	0.7	51
172	Stability of the resistive wall mode in JET. Plasma Physics and Controlled Fusion, 2009, 51, 055015.	0.9	53
173	A rigorous approach to study kinetic and 3D effects on resistive wall mode. Plasma Physics and Controlled Fusion, 2009, 51, 115008.	0.9	9
174	Full model based sensor optimization for RWM control. Plasma Physics and Controlled Fusion, 2009, 51, 115006.	0.9	6
175	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
176	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
177	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
178	Modelling resistive wall modes in ITER with self-consistent inclusion of drift kinetic resonances. Nuclear Fusion, 2009, 49, 035004.	1.6	60
179	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
180	Experimental studies of stability and beta limit in JET. Plasma Physics and Controlled Fusion, 2008, 50, 124030.	0.9	35

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181	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
182	Magnetic drift kinetic damping of the resistive wall mode in large aspect ratio tokamaks. Physics of Plasmas, 2008, 15, .	0.7	70
183	Effects of Three-Dimensional Electromagnetic Structures on Resistive-Wall-Mode Stability of Reversed Field Pinches. Physical Review Letters, 2008, 100, 255005.	2.9	62
184	An analytical demonstration of coupling schemes between magnetohydrodynamic codes and eddy current codes. Physics of Plasmas, 2008, 15, 072516.	0.7	11
185	Toroidal self-consistent modeling of drift kinetic effects on the resistive wall mode. Physics of Plasmas, 2008, 15, .	0.7	185
186	Optimization of sensor signals for resistive wall mode control in ITER. Nuclear Fusion, 2007, 47, 648-658.	1.6	7
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