

Raffi Nazikian

List of Publications by Year in descending order

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286
papers

9,971
citations

36203

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60497

81
g-index

293
all docs

293
docs citations

293
times ranked

2549
citing authors

#	ARTICLE	IF	CITATIONS
1	Chapter 5: Physics of energetic ions. Nuclear Fusion, 2007, 47, S264-S284.	1.6	478
2	Excitation of toroidal Alfvén eigenmodes in TFTR. Physical Review Letters, 1991, 66, 1874-1877.	2.9	342
3	Principal physics developments evaluated in the ITER design review. Nuclear Fusion, 2009, 49, 065012.	1.6	200
4	Turbulent Fluctuations in TFTR Configurations with Reversed Magnetic Shear. Physical Review Letters, 1996, 77, 3145-3148.	2.9	178
5	Pedestal Bifurcation and Resonant Field Penetration at the Threshold of Edge-Localized Mode Suppression in the DIII-D Tokamak. Physical Review Letters, 2015, 114, 105002.	2.9	141
6	The EPED pedestal model and edge localized mode-suppressed regimes: Studies of quiescent H-mode and development of a model for edge localized mode suppression via resonant magnetic perturbations. Physics of Plasmas, 2012, 19, .	0.7	140
7	Radial Structure of Alfvén Eigenmodes in the DIII-D Tokamak through Electron-Cyclotron-Emission Measurements. Physical Review Letters, 2006, 97, 135001.	2.9	133
8	Radial scale length of turbulent fluctuations in the main core of TFTR plasmas. Physical Review Letters, 1993, 71, 1840-1843.	2.9	132
9	Intense Geodesic Acousticlike Modes Driven by Suprathermal Ions in a Tokamak Plasma. Physical Review Letters, 2008, 101, 185001.	2.9	132
10	Fusion power production from TFTR plasmas fueled with deuterium and tritium. Physical Review Letters, 1994, 72, 3526-3529.	2.9	130
11	Observation of a Multimode Plasma Response and its Relationship to Density Pumpout and Edge-Localized Mode Suppression. Physical Review Letters, 2015, 114, 105001.	2.9	124
12	Alpha-Particle-Driven Toroidal Alfvén Eigenmodes in the Tokamak Fusion Test Reactor. Physical Review Letters, 1997, 78, 2976-2979.	2.9	118
13	A tutorial on the basic principles of microwave reflectometry applied to fluctuation measurements in fusion plasmas. Physics of Plasmas, 2001, 8, 1840-1855.	0.7	106
14	Zonal flow measurements concept I. Plasma Physics and Controlled Fusion, 2000, 42, A205-A210.	0.9	101
15	Anomalous Flattening of the Fast-Ion Profile during Alfvén-Eigenmode Activity. Physical Review Letters, 2007, 99, 245002.	2.9	99
16	Fast Ion Induced Shearing of 2D Alfvén Eigenmodes Measured by Electron Cyclotron Emission Imaging. Physical Review Letters, 2011, 106, 075003.	2.9	94
17	Alpha particle physics experiments in the Tokamak Fusion Test Reactor. Nuclear Fusion, 2000, 40, 91-149.	1.6	93
18	Alfvén eigenmodes driven by Alfvénic beam ions in JT-60U. Nuclear Fusion, 2001, 41, 603-612.	1.6	93

#	ARTICLE	IF	CITATIONS
19	Fusion plasma experiments on TFTR: A 20 year retrospective. <i>Physics of Plasmas</i> , 1998, 5, 1577-1589.	0.7	91
20	Confinement and heating of a deuterium-tritium plasma. <i>Physical Review Letters</i> , 1994, 72, 3530-3533.	2.9	90
21	Measurements and modeling of Alfvén eigenmode induced fast ion transport and loss in DIII-D and ASDEX Upgrade. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	90
22	Review of deuterium-tritium results from the Tokamak Fusion Test Reactor. <i>Physics of Plasmas</i> , 1995, 2, 2176-2188.	0.7	89
23	Commissioning of electron cyclotron emission imaging instrument on the DIII-D tokamak and first data. <i>Review of Scientific Instruments</i> , 2010, 81, 10D928.	0.6	89
24	Reflectometer measurements of density fluctuations in tokamak plasmas (invited). <i>Review of Scientific Instruments</i> , 1995, 66, 392-398.	0.6	88
25	Momentum confinement at low torque. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B313-B324.	0.9	84
26	New Interpretation of Alpha-Particle-Driven Instabilities in Deuterium-Tritium Experiments on the Tokamak Fusion Test Reactor. <i>Physical Review Letters</i> , 2003, 91, 125003.	2.9	83
27	Monitoring Alfvén Cascades with Interferometry on the JET Tokamak. <i>Physical Review Letters</i> , 2004, 93, 165001.	2.9	82
28	Microwave reflectometry for the study of density fluctuations in tokamak plasmas. <i>Plasma Physics and Controlled Fusion</i> , 1991, 33, 261-274.	0.9	81
29	Energetic particle instabilities in fusion plasmas. <i>Nuclear Fusion</i> , 2013, 53, 104022.	1.6	79
30	3D field phase-space control in tokamak plasmas. <i>Nature Physics</i> , 2018, 14, 1223-1228.	6.5	77
31	Analysis of alpha particle-driven toroidal Alfvén eigenmodes in Tokamak Fusion Test Reactor deuterium-tritium experiments. <i>Physics of Plasmas</i> , 1996, 3, 4036-4045.	0.7	75
32	Relationship between particle and heat transport in JT-60U plasmas with internal transport barrier. <i>Nuclear Fusion</i> , 2003, 43, 1235-1245.	1.6	75
33	Beta-induced Alfvén-acoustic eigenmodes in National Spherical Torus Experiment and DIII-D driven by beam ions. <i>Physics of Plasmas</i> , 2009, 16, .	0.7	75
34	Characteristics of Alfvén eigenmodes, burst modes and chirping modes in the Alfvén frequency range driven by negative ion based neutral beam injection in JT-60U. <i>Nuclear Fusion</i> , 1999, 39, 1837-1843.	1.6	74
35	Core barrier formation near integer q surfaces in DIII-D. <i>Physics of Plasmas</i> , 2006, 13, 082502.	0.7	73
36	Advances in understanding the generation and evolution of the toroidal rotation profile on DIII-D. <i>Nuclear Fusion</i> , 2009, 49, 085005.	1.6	73

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37	Increase of turbulence and transport with resonant magnetic perturbations in ELM-suppressed plasmas on DIII-D. Nuclear Fusion, 2013, 53, 113011.	1.6	73
38	Experimental conditions to suppress edge localised modes by magnetic perturbations in the ASDEX Upgrade tokamak. Nuclear Fusion, 2018, 58, 096031.	1.6	73
39	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	1.6	70
40	A description of the full-particle-orbit-following SPIRAL code for simulating fast-ion experiments in tokamaks. Plasma Physics and Controlled Fusion, 2013, 55, 025013.	0.9	64
41	Advances in the physics understanding of ELM suppression using resonant magnetic perturbations in DIII-D. Nuclear Fusion, 2015, 55, 023002.	1.6	62
42	Study of thermonuclear Alfvén instabilities in next step burning plasma proposals. Nuclear Fusion, 2003, 43, 594-605.	1.6	60
43	Measurement of Turbulence Decorrelation during Transport Barrier Evolution in a High-Temperature Fusion Plasma. Physical Review Letters, 2005, 94, 135002.	2.9	60
44	Overview of TFTR transport studies. Plasma Physics and Controlled Fusion, 1991, 33, 1509-1536.	0.9	59
45	Plasma curvature effects on microwave reflectometry fluctuation measurements. Plasma Physics and Controlled Fusion, 2001, 43, L1-L8.	0.9	59
46	Role of plasma response in displacements of the tokamak edge due to applied non-axisymmetric fields. Nuclear Fusion, 2013, 53, 073042.	1.6	58
47	Isotopic scaling of confinement in deuterium-tritium plasmas. Physics of Plasmas, 1995, 2, 2299-2307.	0.7	57
48	Two-dimensional simulations of correlation reflectometry in fusion plasmas. Plasma Physics and Controlled Fusion, 2002, 44, L1-L10.	0.9	56
49	Measurements, modelling and electron cyclotron heating modification of Alfvén eigenmode activity in DIII-D. Nuclear Fusion, 2009, 49, 065003.	1.6	56
50	Alfvén eigenmode observations on DIII-D via two-colour CO ₂ interferometry. Plasma Physics and Controlled Fusion, 2005, 47, L31-L40.	0.9	55
51	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
52	Stability Analysis of Toroidicity-Induced Alfvén Eigenmodes in TFTR Deuterium-Tritium Experiments. Physical Review Letters, 1995, 75, 2336-2339.	2.9	54
53	Access to a New Plasma Edge State with High Density and Pressures using the Quiescent H Mode. Physical Review Letters, 2014, 113, 135001.	2.9	53
54	Overview of ASDEX Upgrade results. Nuclear Fusion, 2017, 57, 102015.	1.6	53

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55	Recent progress of Alfvén eigenmode experiments using N-NB in JT-60U tokamak. Nuclear Fusion, 2002, 42, 942-948.	1.6	52
56	The density dependence of edge-localized-mode suppression and pump-out by resonant magnetic perturbations in the DIII-D tokamak. Physics of Plasmas, 2019, 26, .	0.7	51
57	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
58	Toroidal Alfvén eigenmodes driven with ICRF accelerated protons in JT-60U negative shear discharges. Nuclear Fusion, 1998, 38, 1215-1223.	1.6	48
59	Multitude of Core-Localized Shear Alfvén Waves in a High-Temperature Fusion Plasma. Physical Review Letters, 2006, 96, 105006.	2.9	48
60	Fast particle experiments in JT-60U. Nuclear Fusion, 2000, 40, 1383-1396.	1.6	47
61	Reversed shear Alfvén eigenmode stabilization by localized electron cyclotron heating. Plasma Physics and Controlled Fusion, 2008, 50, 035009.	0.9	47
62	Measurement of plasma boundary displacement by $n=2$ magnetic perturbations using imaging beam emission spectroscopy. Nuclear Fusion, 2012, 52, 123019.	1.6	47
63	Impurity confinement and transport in high confinement regimes without edge localized modes on	0.7	47
64	Central flattening of the fast-ion profile in reversed-shear DIII-D discharges. Nuclear Fusion, 2008, 48, 084001.	1.6	46
65	Overview of JET results. Nuclear Fusion, 2009, 49, 104006.	1.6	46
66	Sustained suppression of type-I edge-localized modes with dominantly $n=2$ magnetic fields in DIII-D. Nuclear Fusion, 2013, 53, 083019.	1.6	46
67	Ion cyclotron range of frequencies heating and flow generation in deuterium-tritium plasmas. Physics of Plasmas, 1998, 5, 1721-1726.	0.7	45
68	Energetic particle physics in JT-60U and JFT-2M. Plasma Physics and Controlled Fusion, 2004, 46, S31-S45.	0.9	44
69	Energetic ion transport by abrupt large-amplitude event induced by negative-ion-based neutral beam injection in the JT-60U. Nuclear Fusion, 2005, 45, 1474-1480.	1.6	44
70	Comparative investigation of ELM control based on toroidal modelling of plasma response to RMP fields. Physics of Plasmas, 2017, 24, .	0.7	44
71	Observations of neutral beam and ICRF tail ion losses due to Alfvén modes in TFTR. Nuclear Fusion, 1997, 37, 939-954.	1.6	43
72	Alfvén eigenmode stability and fast ion loss in DIII-D and ITER reversed magnetic shear plasmas. Nuclear Fusion, 2012, 52, 094023.	1.6	43

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73	Validation of the model for ELM suppression with 3D magnetic fields using low torque ITER baseline scenario discharges in DIII-D. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	43
74	Compressional Alfvén eigenmode instability in NSTX. <i>Nuclear Fusion</i> , 2002, 42, 977-985.	1.6	42
75	Finite pressure effects on reversed shear Alfvén eigenmodes. <i>Plasma Physics and Controlled Fusion</i> , 2004, 46, L23-L29.	0.9	42
76	Multi-field characteristics and eigenmode spatial structure of geodesic acoustic modes in DIII-D L-mode plasmas. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	42
77	Fast ion transport during applied 3D magnetic perturbations on DIII-D. <i>Nuclear Fusion</i> , 2015, 55, 073028.	1.6	42
78	High frequency pacing of edge localized modes by injection of lithium granules in DIII-D H-mode discharges. <i>Nuclear Fusion</i> , 2016, 56, 056008.	1.6	42
79	Overview of DT results from TFTR. <i>Nuclear Fusion</i> , 1995, 35, 1429-1436.	1.6	41
80	Alfvén frequency modes at the edge of TFTR plasmas. <i>Nuclear Fusion</i> , 1995, 35, 1469-1479.	1.6	40
81	Alfvén eigenmodes in reversed shear plasmas in JT-60U negative-ion-based neutral beam injection discharges. <i>Physics of Plasmas</i> , 2005, 12, 082509.	0.7	40
82	Experimental tests of linear and nonlinear three-dimensional equilibrium models in DIII-D. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	40
83	Prediction of nonlinear evolution character of energetic-particle-driven instabilities. <i>Nuclear Fusion</i> , 2017, 57, 054001.	1.6	40
84	A multi-species powder dropper for magnetic fusion applications. <i>Review of Scientific Instruments</i> , 2018, 89, 10K121.	0.6	40
85	Wide Operational Windows of Edge-Localized Mode Suppression by Resonant Magnetic Perturbations in the DIII-D Tokamak. <i>Physical Review Letters</i> , 2020, 125, 045001.	2.9	40
86	Plasma wall interaction and tritium retention in TFTR. <i>Journal of Nuclear Materials</i> , 1997, 241-243, 214-226.	1.3	39
87	Observation of Odd Toroidal Alfvén Eigenmodes. <i>Physical Review Letters</i> , 2004, 92, 015001.	2.9	39
88	Overview of JET results. <i>Nuclear Fusion</i> , 2003, 43, 1540-1554.	1.6	38
89	Investigation of global Alfvén instabilities in the Tokamak Fusion Test Reactor. <i>Physics of Fluids B</i> , 1992, 4, 2122-2126.	1.7	37
90	\hat{I}^2 limit disruptions in the Tokamak Fusion Test Reactor. <i>Physics of Plasmas</i> , 1995, 2, 4216-4229.	0.7	37

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91	Magnetic safety factor profile before and after sawtooth crashes investigated with toroidicity and ellipticity induced Alfvén eigenmodes. Nuclear Fusion, 2001, 41, 1135-1151.	1.6	37
92	Internal Alfvén eigenmode observations on DIII-D. Nuclear Fusion, 2006, 46, S880-S887.	1.6	37
93	Fluctuation measurements in the plasma interior on TFTR. Plasma Physics and Controlled Fusion, 1992, 34, 1993-1999.	0.9	36
94	Coupling of global toroidal Alfvén eigenmodes and reversed shear Alfvén eigenmodes in DIII-D. Physics of Plasmas, 2007, 14, 056102.	0.7	36
95	ITER test blanket module error field simulation experiments at DIII-D. Nuclear Fusion, 2011, 51, 103028.	1.6	36
96	Modulation of prompt fast-ion loss by applied $n = 2$ fields in the DIII-D tokamak. Plasma Physics and Controlled Fusion, 2014, 56, 015009.	0.9	36
97	Super H-mode: theoretical prediction and initial observations of a new high performance regime for tokamak operation. Nuclear Fusion, 2015, 55, 083026.	1.6	36
98	The role of edge resonant magnetic perturbations in edge-localized-mode suppression and density pump-out in low-collisionality DIII-D plasmas. Nuclear Fusion, 2020, 60, 076001.	1.6	36
99	Ion cyclotron range of frequencies heating and current drive in deuterium-tritium plasmas. Physics of Plasmas, 1995, 2, 2427-2434.	0.7	35
100	TFTR DT experiments. Plasma Physics and Controlled Fusion, 1997, 39, B103-B114.	0.9	35
101	Grassy-ELM regime with edge resonant magnetic perturbations in fully noninductive plasmas in the DIII-D tokamak. Nuclear Fusion, 2018, 58, 106010.	1.6	35
102	The effect of plasma shape and neutral beam mix on the rotation threshold for RMP-ELM suppression. Nuclear Fusion, 2019, 59, 056012.	1.6	35
103	Real-time wall conditioning by controlled injection of boron and boron nitride powder in full tungsten wall ASDEX Upgrade. Nuclear Materials and Energy, 2019, 19, 384-389.	0.6	35
104	Experimental studies of instabilities and confinement of energetic particles on JET and MAST. Nuclear Fusion, 2005, 45, 1168-1177.	1.6	34
105	High-frequency core localized modes in neutral beam heated plasmas on TFTR. Physics of Plasmas, 1996, 3, 593-605.	0.7	33
106	First Evidence of Collective Alpha Particle Effect on Toroidal Alfvén Eigenmodes in the TFTR D-T Experiment. Physical Review Letters, 1996, 76, 2286-2289.	2.9	33
107	Toroidal Alfvén eigenmodes in TFTR deuterium-tritium plasmas. Physics of Plasmas, 1998, 5, 1703-1711.	0.7	33
108	Core correlation reflectometer at the JT-60U tokamak. Review of Scientific Instruments, 1999, 70, 4246-4250.	0.6	33

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109	Role of Alfvén instabilities in energetic ion transport. <i>Physics of Plasmas</i> , 1999, 6, 1880-1884.	0.7	33
110	Interpretation of the finite pressure gradient effects in the reversed shear Alfvén eigenmode theory. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, 1255-1269.	0.9	33
111	Excitation of Alfvén eigenmodes by low energy beam ions in the DIII-D and JET tokamaks. <i>Physics of Plasmas</i> , 2008, 15, 056107.	0.7	33
112	Overview of JET results. <i>Nuclear Fusion</i> , 2011, 51, 094008.	1.6	33
113	Overview of JT-60U results leading to high integrated performance in reactor-relevant regimes. <i>Nuclear Fusion</i> , 2003, 43, 1527-1539.	1.6	32
114	Internal transport barrier driven by redistribution of energetic ions. <i>Nuclear Fusion</i> , 2005, 45, 30-39.	1.6	32
115	Measurements of long-wavelength density fluctuations in TFTR. <i>Physics of Fluids B</i> , 1992, 4, 2922-2928.	1.7	31
116	Interpretation of core localized Alfvén eigenmodes in DIII-D and Joint European Torus reversed magnetic shear plasmas. <i>Physics of Plasmas</i> , 2006, 13, 056104.	0.7	31
117	ECE-imaging of the H-mode pedestal (invited). <i>Review of Scientific Instruments</i> , 2012, 83, 10E329.	0.6	31
118	Heat flux management via advanced magnetic divertor configurations and divertor detachment. <i>Journal of Nuclear Materials</i> , 2015, 463, 1186-1190.	1.3	30
119	Comparison of steady-state and perturbative transport coefficients in TFTR. <i>Physics of Fluids B</i> , 1991, 3, 2315-2323.	1.7	29
120	Investigation of the role of pedestal pressure and collisionality on type-I ELM divertor heat loads in DIII-D. <i>Nuclear Fusion</i> , 2018, 58, 096023.	1.6	29
121	Effects of turbulent fluctuations on density measurements with microwave reflectometry in	0.6	28
122	Upgrade of reflectometry profile and fluctuation measurements in Alcator C-Mod. <i>Review of Scientific Instruments</i> , 1999, 70, 1078-1081.	0.6	28
123	Rotational shear effects on edge harmonic oscillations in DIII-D quiescent H-mode discharges. <i>Nuclear Fusion</i> , 2016, 56, 076011.	1.6	28
124	Deuterium-tritium plasmas in novel regimes in the Tokamak Fusion Test Reactor. <i>Physics of Plasmas</i> , 1997, 4, 1714-1724.	0.7	27
125	Correlation reflectometry for turbulence and magnetic field measurements in fusion plasmas (invited). <i>Review of Scientific Instruments</i> , 2003, 74, 1421-1425.	0.6	27
126	Simulation of optical and synthetic imaging using microwave reflectometry. <i>Plasma Physics and Controlled Fusion</i> , 2004, 46, 695-710.	0.9	27

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127	Observations of wall conditioning by means of boron powder injection in DIII-D H-mode plasmas. Nuclear Fusion, 2020, 60, 126010.	1.6	27
128	Deuterium-tritium high confinement (H-mode) studies in the Tokamak Fusion Test Reactor. Physics of Plasmas, 1995, 2, 2366-2374.	0.7	26
129	First Observation of Alpha Particle Loss Induced by Kinetic Ballooning Modes in TFTR Deuterium-Tritium Experiments. Physical Review Letters, 1996, 76, 1071-1074.	2.9	26
130	Stability properties of toroidal Alfvén modes driven by fast particles. Nuclear Fusion, 2000, 40, 1311-1323.	1.6	26
131	Effect of resonant magnetic perturbations on microturbulence in DIII-D pedestal. Nuclear Fusion, 2017, 57, 016005.	1.6	26
132	Gyrokinetic study of collisional resonant magnetic perturbation (RMP)-driven plasma density and heat transport in tokamak edge plasma using a magnetohydrodynamic screened RMP field. Nuclear Fusion, 2019, 59, 126009.	1.6	26
133	Numerical study of the nonlinear evolution of toroidicity-induced Alfvén eigenmodes. Physics of Plasmas, 1999, 6, 226-237.	0.7	25
134	Advances in the steady-state hybrid regime in DIII-D—a fully non-inductive, ELM-suppressed scenario for ITER. Nuclear Fusion, 2017, 57, 116057.	1.6	25
135	Frequency Chirping of Core-Localized Toroidicity-Induced Alfvén Eigenmodes and their Coupling to Global Alfvén Eigenmodes. Physical Review Letters, 1999, 83, 2961-2964.	2.9	24
136	Tearing mode structure in the DIII-D tokamak through spectrally filtered fast visible bremsstrahlung imaging. Nuclear Fusion, 2008, 48, 092002.	1.6	24
137	Fractional Resonances between Waves and Energetic Particles in Tokamak Plasmas. Physical Review Letters, 2012, 109, 035003.	2.9	24
138	Experimental imaging of separatrix splitting on DIII-D. Nuclear Fusion, 2012, 52, 122001.	1.6	24
139	Enhanced Localized Energetic-Ion Losses Resulting from Single-Pass Interactions with Alfvén Eigenmodes. Physical Review Letters, 2013, 110, 065004.	2.9	24
140	Formation of a High Pressure Staircase Pedestal with Suppressed Edge Localized Modes in the DIII-D Tokamak. Physical Review Letters, 2019, 123, 115001.	2.9	24
141	Status and Plans for TFTR. Fusion Science and Technology, 1992, 21, 1324-1331.	0.6	23
142	Alpha-particle physics in the tokamak fusion test reactor DT experiment. Plasma Physics and Controlled Fusion, 1997, 39, A275-A283.	0.9	23
143	2D reflectometer modelling for optimizing the ITER low-field side X-mode reflectometer system. Nuclear Fusion, 2006, 46, S846-S852.	1.6	23
144	DIII-D research towards establishing the scientific basis for future fusion reactors. Nuclear Fusion, 2019, 59, 112002.	1.6	23

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145	CAKE: Consistent Automatic Kinetic Equilibrium reconstruction. Fusion Engineering and Design, 2021, 163, 112163.	1.0	23
146	Recent D-T results on TFTR. Plasma Physics and Controlled Fusion, 1995, 37, A69-A85.	0.9	22
147	ICRF results in D-T plasmas in JET and TFTR and implications for ITER. Plasma Physics and Controlled Fusion, 1998, 40, A87-A103.	0.9	22
148	Decoupled recovery of energy and momentum with correction of n^2 error fields. Nuclear Fusion, 2015, 55, 083012.	1.6	22
149	ICRF heating and profile control techniques in TFTR. Nuclear Fusion, 2000, 40, 461-466.	1.6	21
150	Alpha-Channeling Simulation Experiment in the DIII-D Tokamak. Physical Review Letters, 2004, 93, 085002.	2.9	21
151	Quantitative density fluctuation measurements utilizing quadrature reflectometers on DIII-D. Nuclear Fusion, 2006, 46, S708-S713.	1.6	21
152	Equilibrium drives of the low and high field side n^2 plasma response and impact on global confinement. Nuclear Fusion, 2016, 56, 056001.	1.6	21
153	Evidence of Toroidally Localized Turbulence with Applied 3D Fields in the DIII-D Tokamak. Physical Review Letters, 2016, 117, 135001.	2.9	21
154	Effects of RMP-induced changes of radial electric fields on microturbulence in DIII-D pedestal top. Nuclear Fusion, 2019, 59, 046005.	1.6	21
155	Triton burnup measurements and calculations on TFTR. Nuclear Fusion, 1998, 38, 597-618.	1.6	20
156	Alpha particle-driven toroidal Alfvén eigenmodes in Tokamak Fusion Test Reactor deuterium-tritium plasmas: Theory and experiments. Physics of Plasmas, 1998, 5, 4284-4291.	0.7	20
157	Simulation of localized fast-ion heat loads in test blanket module simulation experiments on DIII-D. Nuclear Fusion, 2013, 53, 123018.	1.6	20
158	Exploration of the Super H-mode regime on DIII-D and potential advantages for burning plasma devices. Physics of Plasmas, 2016, 23, .	0.7	20
159	Improving fast-ion confinement in high-performance discharges by suppressing Alfvén eigenmodes. Nuclear Fusion, 2017, 57, 056024.	1.6	20
160	Theory and observation of the onset of nonlinear structures due to eigenmode destabilization by fast ions in tokamaks. Physics of Plasmas, 2017, 24, 122508.	0.7	20
161	Hybrid simulations of fishbone instabilities and Alfvén eigenmodes in DIII-D tokamak. Physics of Plasmas, 2018, 25, 122504.	0.7	20
162	Predicting operational windows of ELMs suppression by resonant magnetic perturbations in the DIII-D and KSTAR tokamaks. Physics of Plasmas, 2021, 28, .	0.7	20

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163	Modeling the response of a fast ion loss detector using orbit tracing techniques in a neutral beam prompt-loss study on the DIII-D tokamak. Review of Scientific Instruments, 2010, 81, 10D305.	0.6	19
164	Identification of multi-modal plasma responses to applied magnetic perturbations using the plasma reluctance. Physics of Plasmas, 2016, 23, .	0.7	19
165	Instrumental aspects of extraordinary mode scattering on TFTR. Review of Scientific Instruments, 1990, 61, 3031-3033.	0.6	18
166	Deuterium and tritium experiments on TFTR. Plasma Physics and Controlled Fusion, 1994, 36, B3-B15.	0.9	18
167	Plasma-surface interactions in TFTR DT experiments. Journal of Nuclear Materials, 1995, 220-222, 62-72.	1.3	18
168	Observation of new branch of toroidal Alfvén eigenmodes in TFTR. Nuclear Fusion, 1995, 35, 1457-1461.	1.6	18
169	Beam ion losses due to energetic particle geodesic acoustic modes. Nuclear Fusion, 2012, 52, 123015.	1.6	18
170	CO ₂ laser scintillation interferometer for the measurement of density fluctuations in plasma confinement devices. Review of Scientific Instruments, 1987, 58, 2086-2091.	0.6	17
171	Pellet fuelled enhanced confinement ICRH discharges in TFTR. Nuclear Fusion, 1997, 37, 127-144.	1.6	17
172	Fast-ion effects during test blanket module simulation experiments in DIII-D. Nuclear Fusion, 2011, 51, 103029.	1.6	17
173	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
174	Alpha-driven magnetohydrodynamics (MHD) and MHD-induced alpha loss in the Tokamak Fusion Test Reactor. Physics of Plasmas, 1997, 4, 1610-1616.	0.7	16
175	Observation of confinement degradation of energetic ions due to Alfvén eigenmodes in JT-60U weak shear plasmas. Nuclear Fusion, 2006, 46, S898-S903.	1.6	16
176	Imaging key aspects of fast ion physics in the DIII-D tokamak. Nuclear Fusion, 2010, 50, 084002.	1.6	16
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