Jozef Ongena

List of Publications by Year in descending order

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257 papers	5,763 citations	61984 43 h-index	114465 63 g-index
259 all docs	259 docs citations	259 times ranked	2500 citing authors

#	Article	IF	Citations
1	Magnetic-confinement fusion. Nature Physics, 2016, 12, 398-410.	16.7	156
2	ITER L mode confinement database. Nuclear Fusion, 1997, 37, 1303-1328.	3.5	155
3	Characteristics and scaling of energy and particle losses during Type I ELMs in JET H-modes. Plasma Physics and Controlled Fusion, 2002, 44, 1815-1844.	2.1	153
4	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	3.5	150
5	Major results from the first plasma campaign of the Wendelstein 7-X stellarator. Nuclear Fusion, 2017, 57, 102020.	3.5	128
6	High Confinement and High Density with Stationary Plasma Energy and Strong Edge Radiation in the TEXTOR-94 Tokamak. Physical Review Letters, 1996, 77, 2487-2490.	7.8	114
7	Poloidal Rotation Dynamics, Radial Electric Field, and Neoclassical Theory in the Jet Internal-Transport-Barrier Region. Physical Review Letters, 2005, 95, 155003.	7.8	108
8	Role of sawtooth in avoiding impurity accumulation and maintaining good confinement in JET radiative mantle discharges. Nuclear Fusion, 2003, 43, 1204-1213.	3.5	93
9	Reduction of divertor heat load in JET ELMy H-modes using impurity seeding techniques. Nuclear Fusion, 2004, 44, 312-319.	3.5	91
10	Improved plasma performance in TEXTOR with silicon coated surfaces. Physical Review Letters, 1993, 71, 1549-1552.	7.8	90
11	Review of deuteriumâ€“tritium results from the Tokamak Fusion Test Reactor. Physics of Plasmas, 1995, 2, 2176-2188.	1.9	89
12	Model for the Transition to the Radiatively Improved Mode in a Tokamak. Physical Review Letters, 2000, 84, 895-898.	7.8	89
13	Confirmation of the topology of the Wendelstein 7-X magnetic field to better than 1:100,000. Nature Communications, 2016, 7, 13493.	12.8	85
14	Technical challenges in the construction of the steady-state stellarator Wendelstein 7-X. Nuclear Fusion, 2013, 53, 126001.	3.5	77
15	Stability analysis of improved confinement discharges: internal transport barriers in Tore Supra and radiative improved mode in TEXTOR. Nuclear Fusion, 2002, 42, 892-902.	3.5	76
16	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	16.7	73
17	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	3.5	70
18	Overview of radiative improved mode results on TEXTOR-94. Nuclear Fusion, 1999, 39, 1637-1648.	3.5	69

#	Article	IF	Citations
19	The beta scaling of energy confinement in ELMy H-modes in JET. Plasma Physics and Controlled Fusion, 2004, 46, A215-A225.	2.1	67
20	Improved confinement with edge radiative cooling at high densities and high heating power in TEXTOR. Nuclear Fusion, 1994, 34, 825-836.	3.5	66
21	Tritium transport experiments on the JET tokamak. Plasma Physics and Controlled Fusion, 2004, 46, B255-B265.	2.1	64
22	Heat loads on JET plasma facing components from ICRF and LH wave absorption in the SOL. Nuclear Fusion, 2011, 51, 103018.	3.5	62
23	Impurity-induced turbulence suppression and reduced transport in the DIII-D tokamak. Physics of Plasmas, 2000, 7, 1870-1877.	1.9	60
24	Optimization of ICRH for core impurity control in JET-ILW. Nuclear Fusion, 2016, 56, 036022.	3.5	59
25	Integrated scenario in JET using real-time profile control. Plasma Physics and Controlled Fusion, 2003, 45, A367-A383.	2.1	55
26	Recent progress on the development and analysis of the ITPA global H-mode confinement database. Nuclear Fusion, 2007, 47, 147-174.	3.5	55
27	High confinement and high density with stationary plasma energy and strong edge radiation cooling in the upgraded Torus Experiment for Technology Oriented Research (TEXTOR-94). Physics of Plasmas, 1997, 4, 1690-1698.	1.9	54
28	The International Multi-Tokamak Profile Database. Nuclear Fusion, 2000, 40, 1955-1981.	3.5	54
29	Localized bulk electron heating with ICRF mode conversion in the JET tokamak. Nuclear Fusion, 2004, 44, 33-46.	3.5	53
30	Recent progress toward high performance above the Greenwald density limit in impurity seeded discharges in limiter and divertor tokamaks. Physics of Plasmas, 2001, 8, 2188-2198.	1.9	52
31	Understanding the spatial structure of RF-induced SOL modifications. Plasma Physics and Controlled Fusion, 2007, 49, B35-B45.	2.1	52
32	Overview of experiments with radiation cooling at high confinement and high density in limited and diverted discharges. Plasma Physics and Controlled Fusion, 1999, 41, A379-A399.	2.1	51
33	Recent progress on JET towards the ITER reference mode of operation at high density. Plasma Physics and Controlled Fusion, 2001, 43, A11-A30.	2.1	51
34	ELMy H-modes in JET helium-4 plasmas. Plasma Physics and Controlled Fusion, 2004, 46, 519-534.	2.1	50
35	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	3.5	50
36	Scaling of the energy confinement time with Î² and collisionality approaching ITER conditions. Nuclear Fusion, 2005, 45, 1078-1084.	3.5	49

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37	Impurity-seeded plasma experiments on JET. Nuclear Fusion, 2003, 43, 49-62.	3.5	48
38	Long timescale density peaking in JET. Plasma Physics and Controlled Fusion, 2002, 44, 1911-1917.	2.1	47
39	Confinement properties of high density impurity seeded ELMy H-mode discharges at low and high triangularity on JET. Plasma Physics and Controlled Fusion, 2002, 44, 1845-1861.	2.1	47
40	JET (³He)â€“D scenarios relying on RF heating: survey of selected recent experiments. Plasma Physics and Controlled Fusion, 2009, 51, 044007.	2.1	47
41	Radiation pattern and impurity transport in argon seeded ELMy H-mode discharges in JET. Plasma Physics and Controlled Fusion, 2002, 44, 1863-1878.	2.1	46
42	Tests of local transport theory and reduced wall impurity influx with highly radiative plasmas in the Tokamak Fusion Test Reactor. Physics of Plasmas, 1999, 6, 877-884.	1.9	45
43	Towards the realization on JET of an integrated H-mode scenario for ITER. Nuclear Fusion, 2004, 44, 124-133.	3.5	45
44	Toroidal rotation in RF heated JET plasmas. Plasma Physics and Controlled Fusion, 2009, 51, 044008.	2.1	45
45	On resonant ICRF absorption in three-ion component plasmas: a new promising tool for fast ion generation. Nuclear Fusion, 2015, 55, 032001.	3.5	43
46	Physics and engineering results obtained with the ion cyclotron range of frequencies ITER-like antenna on JET. Plasma Physics and Controlled Fusion, 2012, 54, 074012.	2.1	42
47	Physics and applications of three-ion ICRF scenarios for fusion research. Physics of Plasmas, 2021, 28, .	1.9	42
48	Simulation of the time behaviour of impurities in JET Ar-seeded discharges and its relation with sawtoothing and RF heating. Plasma Physics and Controlled Fusion, 2003, 45, 2011-2024.	2.1	41
49	Recent results on Ion Cyclotron Wall Conditioning in mid and large size tokamaks. Journal of Nuclear Materials, 2011, 415, S1021-S1028.	2.7	41
50	Impurity-seeded ELMy H-modes in JET, with high density and reduced heat load. Nuclear Fusion, 2005, 45, 1404-1410.	3.5	40
51	Effect of antenna phasing and wall conditioning on ICRH in TEXTOR. Plasma Physics and Controlled Fusion, 1989, 31, 921-939.	2.1	39
52	Overview of JET results. Nuclear Fusion, 2003, 43, 1540-1554.	3.5	38
53	Evidence of suppression of ITG-instability in the radiatively improved mode in TEXTOR-94. Plasma Physics and Controlled Fusion, 1999, 41, L9-L15.	2.1	37
54	Enhanced confinement discharges in DIII-D with neon and argon induced radiation. Journal of Nuclear Materials, 1999, 266-269, 380-385.	2.7	37

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55	Physics of confinement improvement of plasmas with impurity injection in DIII-D. Nuclear Fusion, 2001, 41, 317-323.	3.5	36
56	Enhanced performance in fusion plasmas through turbulence suppression by megaelectronvolt ions. Nature Physics, 2022, 18, 776-782.	16.7	36
57	The 2008 Public Release of the International Multi-tokamak Confinement Profile Database. Nuclear Fusion, 2008, 48, 125001.	3.5	35
58	Study and design of the ion cyclotron resonance heating system for the stellarator Wendelstein 7-X. Physics of Plasmas, 2014, 21, .	1.9	35
59	Recent H-mode density limit studies at JET. Nuclear Fusion, 2004, 44, 752-760.	3.5	34
60	Generation and observation of fast deuterium ions and fusion-born alpha particles in JET $mathrm{D-^3He}$ plasmas with the 3-ion radio-frequency heating scenario. Nuclear Fusion, 2020, 60, 124006.	3.5	34
61	Transport and improved confinement in high power edge radiation cooling experiments on TEXTOR. Nuclear Fusion, 1996, 36, 39-53.	3.5	33
62	Nuclear fusion: Status report and future prospects. Energy Policy, 2016, 96, 770-778.	8.8	33
63	Influence of Magnetic Field Ripple on the Intrinsic Rotation of Tokamak Plasmas. Physical Review Letters, 2010, 105, 105005.	7.8	32
64	Effects of impurity seeding in DIII-D radiating mantle discharges. Nuclear Fusion, 2002, 42, 28-41.	3.5	31
65	Overview of transport, fast particle and heating and current drive physics using tritium in JET plasmas. Nuclear Fusion, 2005, 45, S181-S194.	3.5	31
66	Modelling of D majority ICRH at JET: impact of absorption at the Doppler-shifted resonance. Plasma Physics and Controlled Fusion, 2009, 51, 044006.	2.1	31
67	Effect of gas injection during LH wave coupling at ITER-relevant plasmaâ€“wall distances in JET. Plasma Physics and Controlled Fusion, 2009, 51, 044001.	2.1	30
68	Energy for Future Centuries: Prospects for Fusion Power as a Future Energy Source. Fusion Science and Technology, 2012, 61, 3-16.	1.1	29
69	Energy for Future Centuries: Will Fusion Be an Inexhaustible, Safe, and Clean Energy Source?. Fusion Science and Technology, 2004, 45, 3-14.	1.1	28
70	Impurity production from the ion cyclotron resonance heating antennas in JET. Plasma Physics and Controlled Fusion, 2012, 54, 074013.	2.1	28
71	The influence of impurities on limiter tokamak plasmas and relevant mechanisms. Plasma Physics and Controlled Fusion, 1995, 37, A241-A253.	2.1	27
72	The influence of plasma-edge properties on high confinement discharges with a radiating plasma mantle at the tokamak TEXTOR-94. Plasma Physics and Controlled Fusion, 1997, 39, B189-B206.	2.1	27

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73	Improved confinement in TEXTOR. Nuclear Fusion, 1993, 33, 283-300.	3.5	26
74	Simulation of ITER full-field ICWC scenario in JET: RF physics aspects. Plasma Physics and Controlled Fusion, 2012, 54, 074014.	2.1	26
75	Plasma heating and generation of energetic D ions with the 3-ion ICRF + NBI scenario in mixed H-D plasmas at JET-ILW. Nuclear Fusion, 2020, 60, 112013.	3.5	26
76	Ion cyclotron resonance heating of a tokamak plasma using an antenna without a Faraday shield. Nuclear Fusion, 1991, 31, 1770-1774.	3.5	25
77	Comparison of the performance of ICRF antennas with and without Faraday shield on TEXTOR. Nuclear Fusion, 1992, 32, 1913-1925.	3.5	25
78	Confinement mechanisms in the radiatively improved mode. Plasma Physics and Controlled Fusion, 1999, 41, B317-B327.	2.1	25
79	Anomalous and classical neutral beam fast ion diffusion on JET. Plasma Physics and Controlled Fusion, 2009, 51, 044004.	2.1	25
80	Wall conditioning in fusion devices with superconducting coils. Plasma Physics and Controlled Fusion, 2020, 62, 034002.	2.1	25
81	Implementation of load resilient ion cyclotron resonant frequency (ICRF) systems to couple high levels of ICRF power to ELMy H-mode plasmas in JET. Plasma Physics and Controlled Fusion, 2012, 54, 074011.	2.1	24
82	Results and modelling of high power edge radiation cooling in Textor. Physica Scripta, 1995, 52, 449-457.	2.5	23
83	Chapter 3: ELMy H-Mode Operation in JET. Fusion Science and Technology, 2008, 53, 891-957.	1.1	23
84	Variation of Injected Neutral Beam Power at Constant Particle Energy by Changing the Beam Target Aperture of the TEXTOR Neutral Beam Injectors. Fusion Science and Technology, 1999, 35, 42-53.	0.6	22
85	Turbulent transport and turbulence in radiative I mode plasmas in TEXTOR-94. Nuclear Fusion, 2000, 40, 209-221.	3.5	22
86	Optimization of pellet scenarios for long pulse fuelling to high densities at JET*. Nuclear Fusion, 2002, 42, 388-402.	3.5	22
87	Comparison of L-mode regimes with enhanced confinement by impurity seeding in JET and DIII-D. Plasma Physics and Controlled Fusion, 2002, 44, 1893-1902.	2.1	22
88	Commissioning of the ITER-like ICRF antenna for JET. Fusion Engineering and Design, 2009, 84, 279-283.	1.9	22
89	Synergetic heating of D-NBI ions in the vicinity of the mode conversion layer in H-D plasmas in JET with the ITER like wall.. EPJ Web of Conferences, 2017, 157, 02006.	0.3	22
90	Status and future development of Heating and Current Drive for the EU DEMO. Fusion Engineering and Design, 2022, 180, 113159.	1.9	22

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91	MHD activity at the beta limit in RI mode discharges on TEXTOR-94. Nuclear Fusion, 2000, 40, 821-832.	3.5	21
92	Quasistationary High Confinement Discharges with trans-Greenwald Density on TEXTOR-94. Physical Review Letters, 2000, 85, 2312-2315.	7.8	21
93	Confinement transitions with radiation cooling in TEXTOR-94. Plasma Physics and Controlled Fusion, 1996, 38, 279-288.	2.1	20
94	High density operation at JET by pellet refuelling*. Plasma Physics and Controlled Fusion, 2002, 44, 1919-1928.	2.1	20
95	Predictive modelling of impurity seeded plasmas in JET. Plasma Physics and Controlled Fusion, 2002, 44, 1903-1910.	2.1	20
96	ICRF physics aspects of wall conditioning with conventional antennas in large-size tokamaks. Journal of Nuclear Materials, 2011, 415, S1029-S1032.	2.7	20
97	Seeding of impurities in JET H-mode discharges to mitigate the impact of ELMs. Plasma Physics and Controlled Fusion, 2002, 44, 1879-1891.	2.1	19
98	Overview of JET results. Nuclear Fusion, 2005, 45, S63-S85.	3.5	19
99	Effects of ICRF induced density modifications on LH wave coupling at JET. Plasma Physics and Controlled Fusion, 2009, 51, 044003.	2.1	19
100	Fundamental ion cyclotron resonance heating of JET deuterium plasmas. Plasma Physics and Controlled Fusion, 2009, 51, 044005.	2.1	19
101	Plasma wall interaction and plasma edge properties with radiation cooling and improved confinement in TEXTOR-94. Journal of Nuclear Materials, 1999, 266-269, 75-83.	2.7	18
102	Minority and mode conversion heating in (³He)â€“H JET plasmas. Plasma Physics and Controlled Fusion, 2012, 54, 074009.	2.1	18
103	Monte Carlo investigation of imprisonment of resonance radiation with partial frequency redistribution. Journal of Physics B: Atomic, Molecular and Optical Physics, 1988, 21, 1933-1937.	1.5	17
104	High power ICRH and NB heating results in TEXTOR. Plasma Physics and Controlled Fusion, 1990, 32, 889-902.	2.1	17
105	Recent experiments on alternative dipole phasing with the JET A2 ICRF antennas. , 2009, , .		17
106	Optimizing ion-cyclotron resonance frequency heating for ITER: dedicated JET experiments. Plasma Physics and Controlled Fusion, 2011, 53, 124019.	2.1	17
107	Neon radiation efficiency for different confinement regimes in TEXTOR-94. Nuclear Fusion, 2000, 40, 1845-1858.	3.5	16
108	Experimental and simulated argon spectra in the 2.3-3.4 nm region from tokamak plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 127-142.	1.5	16

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109	Detecting non-Maxwellian electron velocity distributions at JET by high resolution Thomson scattering. Review of Scientific Instruments, 2011, 82, 033514.	1.3	16
110	A new ion cyclotron range of frequency scenario for bulk ion heating in deuterium-tritium plasmas: How to utilize intrinsic impurities in our favour. Physics of Plasmas, 2015, 22, .	1.9	16
111	Evidence for AlfvÃ©n eigenmodes driven by alpha particles in D-³He fusion experiments on JET. Nuclear Fusion, 2021, 61, 114006.	3.5	16
112	JET radiative mantle experiments in ELMy H-Mode. Plasma Physics and Controlled Fusion, 2000, 42, A81-A88.	2.1	15
113	Overview of recent experimental results from the DIII-D advanced tokamak programme. Nuclear Fusion, 2001, 41, 1341-1353.	3.5	15
114	The role of aspect ratio and beta in H-mode confinement scalings. Plasma Physics and Controlled Fusion, 2006, 48, A429-A438.	2.1	15
115	Study of the power exhaust and the role of impurities in the Torus Experiment for Technological Oriented Research (TEXTOR). Physics of Plasmas, 1995, 2, 2272-2280.	1.9	14
116	Review and present status of the TEXTOR radiative improved (RI) mode. Journal of Plasma Physics, 1998, 59, 587-610.	2.1	14
117	Improved ELM scaling with impurity seeding in JET. Plasma Physics and Controlled Fusion, 2003, 45, 1657-1669.	2.1	14
118	Impurity penetration through the edge transport barrier. Plasma Physics and Controlled Fusion, 2004, 46, 1299-1311.	2.1	14
119	SOL characterization and LH coupling measurements on JET in ITER-relevant conditions. Plasma Physics and Controlled Fusion, 2009, 51, 044002.	2.1	14
120	LH power deposition and CD efficiency studies by application of modulated power at JET. Nuclear Fusion, 2010, 50, 075003.	3.5	14
121	Influence of gas puff location on the coupling of lower hybrid waves in JET ELMy H-mode plasmas. Plasma Physics and Controlled Fusion, 2012, 54, 074004.	2.1	14
122	Development of an ICRH antenna system at W7-X for plasma heating and wall conditioning. Fusion Engineering and Design, 2017, 123, 303-308.	1.9	14
123	Review of recent advances in heating and current drive on TEXTOR. Plasma Physics and Controlled Fusion, 1993, 35, A15-A34.	2.1	13
124	High density, high performance high-confinement-mode plasmas in the Joint European Torus (JET). Physics of Plasmas, 2002, 9, 2103-2112.	1.9	12
125	Energy confinement in steady-state ELMy H-modes in JET. Plasma Physics and Controlled Fusion, 2002, 44, 1929-1935.	2.1	12
126	Predictive modelling of the impact of argon injection on H-mode plasmas in JET with the RITM code. Plasma Physics and Controlled Fusion, 2004, 46, A241-A247.	2.1	12

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127	Recent ICRF developments at JET. Fusion Engineering and Design, 2007, 82, 873-880.	1.9	12
128	JET intrinsic rotation studies in plasmas with a high normalized beta and varying toroidal field ripple. Plasma Physics and Controlled Fusion, 2012, 54, 074006.	2.1	12
129	Recent advances in physics and technology of ion cyclotron resonance heating in view of future fusion reactors. Plasma Physics and Controlled Fusion, 2017, 59, 054002.	2.1	12
130	First experiments on ICRF discharge generation by a W7-X-like antenna in the Uragan-2M stellarator. Journal of Plasma Physics, 2020, 86, .	2.1	12
131	The Radiative Improved Mode in TEXTOR: Power Exhaust and Improved Confinement at High Density. Fusion Science and Technology, 2005, 47, 187-201.	1.1	11
132	Overview on Experiments On ITER-like Antenna On JET And ICRF Antenna Design For ITER. , 2009, , .		11
133	On the challenge of plasma heating with the JET metallic wall. Nuclear Fusion, 2014, 54, 033002.	3.5	11
134	Deuterium-Tritium Experiments on the Tokamak Fusion Test Reactor. Fusion Science and Technology, 1994, 26, 389-398.	0.6	10
135	Recent results on ion cyclotron and combined heating of TEXTOR. Fusion Engineering and Design, 1995, 26, 103-120.	1.9	10
136	Traveling wave array for DEMO with proof of principle on WEST. Fusion Engineering and Design, 2019, 146, 854-857.	1.9	10
137	A travelling wave array system as solution for the ion cyclotron resonance frequencies heating of DEMO. Nuclear Fusion, 2020, 60, 016027.	3.5	10
138	Synergistic ICRH and NBI heating for fast ion generation and maximising fusion rate in mixed plasmas at JET. AIP Conference Proceedings, 2020, , .	0.4	10
139	Fast ion transport by sawtooth instability in the presence of ICRFâ€“NBI synergy in JET plasmas. Nuclear Fusion, 2021, 61, 116056.	3.5	10
140	AlfvÃ©n cascade eigenmodes above the TAE-frequency and localization of AlfvÃ©n modes in Dâ€‹³He plasmas on JET. Nuclear Fusion, 2022, 62, 056001.	3.5	10
141	Density dependence of trace tritium transport in H-mode Joint European Torus plasma. Physics of Plasmas, 2005, 12, 052508.	1.9	9
142	Energy for Future Centuries - Prospects for Fusion Power as a Future Energy Source. Fusion Science and Technology, 2006, 49, 3-15.	1.1	9
143	Hybrid Couplers On The JET ICRF System: Commissioning And First Results on ELMs. AIP Conference Proceedings, 2007, , .	0.4	9
144	Coupling Of The JET ICRF Antennas In ELMy H-mode Plasmas With ITER Relevant Plasmaâ€”Straps Distance. AIP Conference Proceedings, 2007, , .	0.4	9

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145	Operation and coupling of LH waves with the ITER-like wall at JET. Plasma Physics and Controlled Fusion, 2013, 55, 115008.	2.1	9
146	Potential of ion cyclotron resonance frequency current drive via fast waves in DEMO. Plasma Physics and Controlled Fusion, 2015, 57, 025014.	2.1	9
147	Progress on an ion cyclotron range of frequency system for DEMO. Fusion Engineering and Design, 2019, 146, 1321-1324.	1.9	9
148	Ion cyclotron resonance heating fast and slow wave excitation and power deposition in edge plasmas with application to ITER. Plasma Physics and Controlled Fusion, 2021, 63, 045021.	2.1	9
149	First experiments on plasma production using field-aligned ICRF fast wave antennas in the large helical device. Nuclear Fusion, 2021, 61, 114004.	3.5	9
150	Numerical Transport Codes. Fusion Science and Technology, 2008, 53, 367-376.	1.1	8
151	Performance of the Scattering Matrix Arc Detection System on the JET ITER-like ICRF antenna. Fusion Engineering and Design, 2011, 86, 522-529.	1.9	8
152	An ITER-relevant passive active multijunction launcher for lower hybrid current drive in JET-grade plasmas. Nuclear Fusion, 2011, 51, 083017.	3.5	8
153	Observations of rotation in JET plasmas with electron heating by ion cyclotron resonance heating. Plasma Physics and Controlled Fusion, 2012, 54, 074007.	2.1	8
154	Plasma and antenna coupling characterization in ICRF-wall conditioning experiments. Fusion Engineering and Design, 2012, 87, 98-103.	1.9	8
155	Improvement of plasma energy confinement in tokamak under radiative cooling of the edge plasma. Plasma Physics Reports, 2017, 43, 1043-1051.	0.9	8
156	Design improvements, assembly and testing of the ICRH antenna for W7-X. Fusion Engineering and Design, 2021, 166, 112205.	1.9	8
157	Preparations for deuteriumâ€“tritium experiments on the Tokamak Fusion Test Reactor*. Physics of Plasmas, 1994, 1, 1560-1567.	1.9	7
158	Analysis of electron cyclotron emission by fast electrons generated by lower hybrid current drive at JET. Plasma Physics and Controlled Fusion, 2012, 54, 074003.	2.1	7
159	JET scrape-off-layer ionization at lower hybrid wave launching. Plasma Physics and Controlled Fusion, 2012, 54, 074005.	2.1	7
160	Fast ions in mode conversion heating (3He)â€“H plasmas in JET. Plasma Physics and Controlled Fusion, 2012, 54, 074010.	2.1	7
161	Fast ion generation and bulk plasma heating with three-ion ICRF scenarios. AIP Conference Proceedings, 2015, , .	0.4	7
162	ICRH options for JET-ILW DTE2 operation. AIP Conference Proceedings, 2020, , .	0.4	7

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163	Status of the WEST travelling wave array antenna design and results from the high power mock-up. Nuclear Fusion, 2022, 62, 026046.	3.5	7
164	Pellet fuelling into radiative improved confinement discharges in TEXTOR-94. Nuclear Fusion, 2000, 40, 1469-1475.	3.5	6
165	Numerical Transport Codes. Fusion Science and Technology, 2004, 45, 371-379.	1.1	6
166	Energy for Future Centuries - Prospects for Fusion Power as a Future Energy Source. Fusion Science and Technology, 2008, 53, 3-15.	1.1	6
167	Energy for Future Centuries: Prospects for Fusion Power as a Future Energy Source. Fusion Science and Technology, 2010, 57, 3-15.	1.1	6
168	Large ELM-like events triggered by core MHD in JET advanced tokamak plasmas: impact on plasmas profiles, plasma-facing components and heating systems. Nuclear Fusion, 2012, 52, 023018.	3.5	6
169	Three-dimensional modelling and numerical optimisation of the W7-X ICRH antenna. Fusion Engineering and Design, 2015, 96-97, 508-511.	1.9	6
170	The effect of lower hybrid waves on JET plasma rotation. Nuclear Fusion, 2017, 57, 034002.	3.5	6
171	Excitation of AlfvÃ©n eigenmodes by fusion-born alpha-particles in D-³He plasmas on JET. Plasma Physics and Controlled Fusion, 2022, 64, 064001.	2.1	6
172	Experimental investigation of ion cyclotron range of frequencies heating scenarios for ITER's half-field hydrogen phase performed in JET. Plasma Physics and Controlled Fusion, 2012, 54, 074008.	2.1	5
173	Operational issues at high lower hybrid power density in JET: waveguide conditioning and arc detection. Plasma Physics and Controlled Fusion, 2012, 54, 074002.	2.1	5
174	Coupling and matching study of the ICRF antenna for W7-X. , 2014, , .		5
175	Contribution of LPP/ERM-KMS to the modern developments of ICRH antenna systems. Fusion Engineering and Design, 2016, 112, 21-35.	1.9	5
176	ICRH physics and technology achievements in JET-ILW. EPJ Web of Conferences, 2017, 157, 02004.	0.3	5
177	Fusion: a true challenge for an enormous reward. EPJ Web of Conferences, 2018, 189, 00015.	0.3	5
178	The ICRH system for the stellarator Wendelstein 7-X. AIP Conference Proceedings, 2020, , .	0.4	5
179	Plasma Production in ICRF in the Uragan-2M Stellarator in Hydrogenâ€“Helium Gas Mixture. Journal of Fusion Energy, 2022, 41, .	1.2	5
180	Scaling of radiated power to plasma contamination for neon seeded discharges on boronized TEXTOR-94. Journal of Nuclear Materials, 1997, 241-243, 853-856.	2.7	4

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181	ICRF heating scenarios in JET with emphasis on [sup 4]He plasmas for the non-activated phase of ITER. AIP Conference Proceedings, 2001, , .	0.4	4
182	Present Status of the ITER-like ICRF Antenna on JET. , 2009, , .		4
183	Operational Experience with the Scattering Matrix Arc Detection System on the JET ITER-Like Antenna. , 2009, , .		4
184	Nuclear fusion and its large potential for the future world energy supply. Nukleonika, 2016, 61, 425-432.	0.8	4
185	Design of an ICRF system for plasmaâ€“wall interactions and RF plasma production studies on TOMAS. Fusion Engineering and Design, 2017, 123, 317-320.	1.9	4
186	Progress on the design of a DEMO high power ICRH travelling wave antenna mock-up to be tested on WEST. AIP Conference Proceedings, 2020, , .	0.4	4
187	Energy Confinement in Self-Organized Tokamak Plasma (without Transport Barriers). Plasma Physics Reports, 2020, 46, 337-348.	0.9	4
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