Sebastijan Brezinsek

List of Publications by Year
in descending order

531	12,813	30047	58549
papers	citations	54 h-index	82 g-index

536	536	536	3788
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent analysis of key plasma wall interactions issues for ITER. Journal of Nuclear Materials, 2009, 390-391, 1-9.	1.3	671
2	Tritium inventory in ITER plasma-facing materials and tritium removal procedures. Plasma Physics and Controlled Fusion, 2008, 50, 103001.	0.9	333
3	JET ITER-like wallâ€"overview and experimental programme. Physica Scripta, 2011, T145, 014001.	1.2	263
4	Fuel retention studies with the ITER-Like Wall in JET. Nuclear Fusion, 2013, 53, 083023.	1.6	193
5	Plasma-surface interaction in the Be/W environment: Conclusions drawn from the JET-ILW for ITER. Journal of Nuclear Materials, 2015, 463, 11-21.	1.3	168
6	Overview of first Wendelstein 7-X high-performance operation. Nuclear Fusion, 2019, 59, 112004.	1.6	165
7	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	1.6	150
8	Disruption mitigation by massive gas injection in JET. Nuclear Fusion, 2011, 51, 123010.	1.6	148
9	Major results from the first plasma campaign of the Wendelstein 7-X stellarator. Nuclear Fusion, 2017, 57, 102020.	1.6	128
10	Impact of nitrogen seeding on confinement and power load control of a high-triangularity JET ELMy H-mode plasma with a metal wall. Nuclear Fusion, 2013, 53, 113025.	1.6	118
11	Tungsten divertor erosion in all metal devices: Lessons from the ITER like wall of JET. Journal of Nuclear Materials, 2013, 438, S42-S47.	1.3	116
12	Magnetic configuration effects on the Wendelstein 7-X stellarator. Nature Physics, 2018, 14, 855-860.	6.5	110
13	Flux dependence of carbon chemical erosion by deuterium ions. Nuclear Fusion, 2004, 44, L21-L25.	1.6	97
14	Power exhaust by SOL and pedestal radiation at ASDEX Upgrade and JET. Nuclear Materials and Energy, 2017, 12, 111-118.	0.6	92
15	Change of the Magnetic-Field Topology by an Ergodic Divertor and the Effect on the Plasma Structure and Transport. Physical Review Letters, 2006, 96, 035004.	2.9	91
16	Impact of carbon and tungsten as divertor materials on the scrape-off layer conditions in JET. Nuclear Fusion, 2013, 53, 093016.	1.6	91
17	Flux dependence of carbon erosion and implication for ITER. Journal of Nuclear Materials, 2005, 337-339, 970-974.	1.3	90
18	Type-I ELM power deposition profile width and temporal shape in JET. Journal of Nuclear Materials, 2011, 415, S856-S859.	1.3	90

#	Article	IF	Citations
19	Characterization of the deuterium recycling flux in front of a graphite surface in the TEXTOR tokamak. Plasma Physics and Controlled Fusion, 2005, 47, 615-634.	0.9	87
20	Overview of the JET preparation for deuteriumâ€“tritium operation with the ITER like-wall. Nuclear Fusion, 2019, 59, 112021.	1.6	87
21	Beryllium migration in JET ITER-like wall plasmas. Nuclear Fusion, 2015, 55, 063021.	1.6	83
22	Performance of Wendelstein 7-X stellarator plasmas during the first divertor operation phase. Physics of Plasmas, 2019, 26, .	0.7	83
23	Impact and mitigation of disruptions with the ITER-like wall in JET. Nuclear Fusion, 2013, 53, 093007.	1.6	81
24	Observations on the W-transport in the core plasma of JET and ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2013, 55, 124036.	0.9	81
25	Identification and analysis of transport domains in the stochastic boundary of TEXTOR-DED for different mode spectra. Nuclear Fusion, 2008, 48, 024009.	1.6	80
26	Impact of the ITER-like wall on divertor detachment and on the density limit in the JET tokamak. Journal of Nuclear Materials, 2013, 438, S139-S147.	1.3	76
27	First nitrogen-seeding experiments in JET with the ITER-like Wall. Journal of Nuclear Materials, 2013, 438, S258-S261.	1.3	76
28	Residual carbon content in the initial ITER-Like Wall experiments at JET. Journal of Nuclear Materials, 2013, 438, S303-S308.	1.3	75
29	Material migration patterns and overview of first surface analysis of the JET ITER-like wall. Physica Scripta, 2014, T159, 014010.	1.2	75
30	First results from divertor operation in Wendelstein 7-X. Plasma Physics and Controlled Fusion, 2019, 61, 014035.	0.9	75
31	Plasmaâ€“wall interaction studies within the EUROfusion consortium: progress on plasma-facing components development and qualification. Nuclear Fusion, 2017, 57, 116041.	1.6	75
32	Toroidal Plasma Rotation Induced by the Dynamic Ergodic Divertor in the TEXTOR Tokamak. Physical Review Letters, 2005, 94, 015003.	2.9	73
33	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	6.5	73
34	The impact of the ITER-like wall at JET on disruptions. Plasma Physics and Controlled Fusion, 2012, 54, 124032.	0.9	70
35	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	1.6	70
36	Demonstration of reduced neoclassical energy transport in Wendelstein 7-X. Nature, 2021, 596, 221-226.	13.7	69

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37	WALLDYN simulations of global impurity migration in JET and extrapolations to ITER. Nuclear Fusion, 2015, 55, 053015.	1.6	67
38	Dust studies in DIII-D and TEXTOR. Nuclear Fusion, 2009, 49, 085022.	1.6	65
39	Empiricial scaling of inter-ELM power widths in ASDEX Upgrade and JET. Journal of Nuclear Materials, 2013, 438, S72-S77.	1.3	65
40	Development of laser-based diagnostics for surface characterisation of wall components in fusion devices. Fusion Engineering and Design, 2011, 86, 1336-1340.	1.0	64
41	Progress at JET in integrating ITER-relevant core and edge plasmas within the constraints of an ITER-like wall. Plasma Physics and Controlled Fusion, 2015, 57, 035004.	0.9	64
42	Limiter Lock Systems at TEXTOR: Flexible Tools for Plasma-Wall Investigation. Fusion Science and Technology, 2005, 47, 138-145.	0.6	62
43	ELM-resolved divertor erosion in the JET ITER-Like Wall. Nuclear Fusion, 2016, 56, 026014.	1.6	60
44	Erosion, screening, and migration of tungsten in the JET divertor. Nuclear Fusion, 2019, 59, 096035.	1.6	60
45	First scenario development with the JET new ITER-like wall. Nuclear Fusion, 2014, 54, 013011.	1.6	59
46	Optimization of ICRH for core impurity control in JET-ILW. Nuclear Fusion, 2016, 56, 036022.	1.6	59
47	Making ICRF power compatible with a high-Z wall in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2017, 59, 014022.	0.9	59
48	Spectroscopic measurement of atomic and molecular deuterium fluxes in the DIII-D plasma edge. Plasma Physics and Controlled Fusion, 2006, 48, 1165-1180.	0.9	58
49	Integration of a radiative divertor for heat load control into JET high triangularity ELMy H-mode plasmas. Nuclear Fusion, 2012, 52, 063022.	1.6	58
50	Runaway electron beam generation and mitigation during disruptions at JET-ILW. Nuclear Fusion, 2015, 55, 093013.	1.6	58
51	Erosion and deposition in the JET divertor during the first ILW campaign. Physica Scripta, 2016, T167, 014051.	1.2	58
52	Formation of the high density front in the inner far SOL at ASDEX Upgrade and JET. Journal of Nuclear Materials, 2015, 463, 541-545.	1.3	57
53	Hydrocarbon injection for quantification of chemical erosion yields in tokamaks. Journal of Nuclear Materials, 2007, 363-365, 1119-1128.	1.3	56
54	Analysis of tungsten melt-layer motion and splashing under tokamak conditions at TEXTOR. Nuclear Fusion, 2011, 51, 083008.	1.6	56

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55	First operation with the JET International Thermonuclear Experimental Reactor-like wall. Physics of Plasmas, 2013, 20, .	0.7	56
56	Study of physical and chemical assisted physical sputtering of beryllium in the JET ITER-like wall. Nuclear Fusion, 2014, 54, 103001.	1.6	55
57	Tungsten melt layer motion and splashing on castellated tungsten surfaces at the tokamak TEXTOR. Journal of Nuclear Materials, 2011, 415, S78-S82.	1.3	53
58	Overview of ASDEX Upgrade results. Nuclear Fusion, 2017, 57, 102015.	1.6	53
59	Long-term fuel retention in JET ITER-like wall. Physica Scripta, 2016, T167, 014075.	1.2	52
60	Overview of JET results for optimising ITER operation. Nuclear Fusion, 2022, 62, 042026.	1.6	52
61	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	1.6	50
62	Fuel retention in JET ITER-Like Wall from post-mortem analysis. Journal of Nuclear Materials, 2015, 463, 961-965.	1.3	50
63	Development of a mirror-based endoscope for divertor spectroscopy on JET with the new ITER-like wall (invited). Review of Scientific Instruments, 2012, 83, 10D511.	0.6	49
64	Quantitative modeling of fuel retention in the JET-C and JET-ILW wall configurations by WallDYN and predictions for ITER. Journal of Nuclear Materials, 2015, 463, 66-72.	1.3	49
65	Comparison of long term fuel retention in JET between carbon and the ITER-Like Wall. Journal of Nuclear Materials, 2013, 438, S108-S113.	1.3	48
66	Global erosion and deposition patterns in JET with the ITER-like wall. Journal of Nuclear Materials, 2015, 463, 157-161.	1.3	48
67	Atomic collision processes with ions at the edge of magnetically confined fusion plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 2543-2567.	0.6	47
68	Effect of surface roughness and substrate material on carbon erosion and deposition in the TEXTOR tokamak. Plasma Physics and Controlled Fusion, 2008, 50, 095008.	0.9	47
69	Determination of rate coefficients for fusion-relevant atoms and molecules by modelling and measurement in the boundary layer of TEXTOR. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 144017.	0.6	47
70	Global and pedestal confinement in JET with a Be/W metallic wall. Nuclear Fusion, 2014, 54, 043001.	1.6	47
71	Overview of fuel inventory in JET with the ITER-like wall. Nuclear Fusion, 2017, 57, 086045.	1.6	47
72	Particle confinement control with resonant magnetic perturbations at TEXTOR. Journal of Nuclear Materials, 2009, 390-391, 330-334.	1.3	46

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73	Ion target impact energy during Type I edge localized modes in JET ITER-like Wall. Plasma Physics and Controlled Fusion, 2015, 57, 085006.	0.9	44
74	PSI research in the ITER divertor parameter range at the FOM PSI-lab. Physica Scripta, 2007, T128, 18-22.	1.2	41
75	Recent results on Ion Cyclotron Wall Conditioning in mid and large size tokamaks. Journal of Nuclear Materials, 2011, 415, S1021-S1028.	1.3	41
76	Dynamic fuel retention and release under ITER like wall conditions in JET. Journal of Nuclear Materials, 2013, 438, S1067-S1071.	1.3	41
77	Mitigation of type-I ELMs withn= 2 fields on JET with ITER-like wall. Nuclear Fusion, 2013, 53, 073036.	1.6	39
78	Operating a full tungsten actively cooled tokamak: overview of WEST first phase of operation. Nuclear Fusion, 2022, 62, 042007.	1.6	39
79	Overview of JET results. Nuclear Fusion, 2003, 43, 1540-1554.	1.6	38
80	Exposure of tungsten nano-structure to TEXTOR edge plasma. Journal of Nuclear Materials, 2011, 415, S92-S95.	1.3	38
81	Overview of physics studies on ASDEX Upgrade. Nuclear Fusion, 2019, 59, 112014.	1.6	38
82	Influence of the dynamic ergodic divertor on transport properties in TEXTOR. Nuclear Fusion, 2007, 47, 522-534.	1.6	37
83	Contrasting H-mode behaviour with deuterium fuelling and nitrogen seeding in the all-carbon and metallic versions of JET. Nuclear Fusion, 2014, 54, 073016.	1.6	37
84	Characterising dust in JET with the new ITER-like wall. Plasma Physics and Controlled Fusion, 2015, 57, 014037.	0.9	37
85	On the measurement of molecular particle fluxes in fusion boundary plasmas. Journal of Nuclear Materials, 2003, 313-316, 967-971.	1.3	36
86	Integrated scenario with type-III ELMy H-mode edge: extrapolation to ITER. Nuclear Fusion, 2009, 49, 095012.	1.6	36
87	Overview of ASDEX Upgrade results. Nuclear Fusion, 2013, 53, 104003.	1.6	36
88	Multi-machine scaling of the main SOL parallel heat flux width in tokamak limiter plasmas. Plasma Physics and Controlled Fusion, 2016, 58, 074005.	0.9	36
89	Beryllium global erosion and deposition at JET-ILW simulated with ERO2.0. Nuclear Materials and Energy, 2019, 18, 331-338.	0.6	36
90	Enhanced performance in fusion plasmas through turbulence suppression by megaelectronvolt ions. Nature Physics, 2022, 18, 776-782.	6.5	36

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91	Hydrogen release from plasma-facing components into fusion plasmas - recent results from a spectroscopic approach. Plasma Physics and Controlled Fusion, 2001, 43, A349-A373.	0.9	35
92	Long-term evolution of the impurity composition and impurity events with the ITER-like wall at JET. Nuclear Fusion, 2013, 53, 073043.	1.6	35
93	ICRF specific plasma wall interactions in JET with the ITER-like wall. Journal of Nuclear Materials, 2013, 438, S160-S165.	1.3	35
94	Influence of atomic physics on EDGE2D-EIRENE simulations of JET divertor detachment with carbon and beryllium/tungsten plasma-facing components. Nuclear Fusion, 2014, 54, 093012.	1.6	35
95	Neutron spectroscopy measurements of 14 MeV neutrons at unprecedented energy resolution and implications for deuteriumâ€“tritium fusion plasma diagnostics. Measurement Science and Technology, 2018, 29, 045502.	1.4	35
96	The dynamic ergodic divertor in the TEXTOR tokamak: plasma response to dynamic helical magnetic field perturbations. Plasma Physics and Controlled Fusion, 2004, 46, B143-B155.	0.9	34
97	First divertor physics studies in Wendelstein 7-X. Nuclear Fusion, 2019, 59, 096014.	1.6	34
98	Dependence on plasma shape and plasma fueling for small edge-localized mode regimes in TCV and ASDEX Upgrade. Nuclear Fusion, 2019, 59, 086020.	1.6	34
99	Impact of ICRF on the scrape-off layer and on plasma wall interactions: From present experiments to fusion reactor. Nuclear Materials and Energy, 2019, 18, 131-140.	0.6	34
100	Identification of molecular carbon sources in the JET divertor by means of emission spectroscopy. Journal of Nuclear Materials, 2005, 337-339, 1058-1063.	1.3	33
101	Development of steady-state scenarios compatible with ITER-like wall conditions. Plasma Physics and Controlled Fusion, 2007, 49, B529-B550.	0.9	33
102	Laser techniques implementation for wall surface characterization and conditioning. Physica Scripta, 2009, T138, 014008.	1.2	33
103	Plasmaâ€“wall interactions with nitrogen seeding in all-metal fusion devices: Formation of nitrides and ammonia. Fusion Engineering and Design, 2015, 98-99, 1371-1374.	1.0	33
104	First Observation of a Stable Highly Dissipative Divertor Plasma Regime on the Wendelstein 7-X Stellarator. Physical Review Letters, 2019, 123, 025002.	2.9	33
105	Transport and divertor properties of the dynamic ergodic divertor. Plasma Physics and Controlled Fusion, 2005, 47, B237-B248.	0.9	32
106	The impact of large ELMs on JET. Journal of Nuclear Materials, 2009, 390-391, 755-759.	1.3	32
107	Ion cyclotron resonance heating for tungsten control in various JET H-mode scenarios. Plasma Physics and Controlled Fusion, 2017, 59, 055001.	0.9	32
108	Modelling of13CH4injection experiments with graphite and tungsten test limiters in TEXTOR using the coupled code ERO-SDTrimSP. Plasma Physics and Controlled Fusion, 2008, 50, 015006.	0.9	31

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109	Dynamics of erosion and deposition in tokamaks. Journal of Nuclear Materials, 2009, 390-391, 38-43.	1.3	31
110	Multi-parameter scaling of divertor power load profiles in D, H and He plasmas on JET and implications for ITER. Nuclear Fusion, 2011, 51, 083028.	1.6	31
111	Study of the feasibility of applying laser-induced breakdown spectroscopy forin-situcharacterization of deposited layers in fusion devices. Physica Scripta, 2011, T145, 014028.	1.2	31
112	Impact of localized gas injection on ICRF coupling and SOL parameters in JET-ILW H-mode plasmas. Journal of Nuclear Materials, 2015, 463, 634-639.	1.3	31
113	Experimental estimation of tungsten impurity sputtering due to Type I ELMs in JET-ITER-like wall using pedestal electron cyclotron emission and target Langmuir probe measurements. Physica Scripta, 2016, T167, 014005.	1.2	31
114	Modelling of plasma-wall interaction and impurity transport in fusion devices and prompt deposition of tungsten as application. Plasma Physics and Controlled Fusion, 2018, 60, 014041.	0.9	31
115	Monitoring of tritium and impurities in the first wall of fusion devices using a LIBS based diagnostic. Nuclear Fusion, 2021, 61, 125001.	1.6	31
116	Quantification of tungsten sputtering at W/C twin limiters in TEXTOR with the aid of local WF6injection. Physica Scripta, 2011, T145, 014016.	1.2	30
117	Beryllium migration and evolution of first wall surface composition in the JET ILW configuration. Journal of Nuclear Materials, 2013, 438, S262-S266.	1.3	30
118	First results and surface analysis strategy for plasma-facing components after JET operation with the ITER-like wall. Physica Scripta, 2014, T159, 014016.	1.2	30
119	Investigation of carbon transport by13CH4injection through graphite and tungsten test limiters in TEXTOR. Plasma Physics and Controlled Fusion, 2006, 48, 1401-1412.	0.9	29
120	Modelling of carbon migration during JET13C injection experiments. Nuclear Fusion, 2008, 48, 105002.	1.6	29
121	Overview of experimental preparation for the ITER-Like Wall at JET. Journal of Nuclear Materials, 2011, 415, S936-S942.	1.3	29
122	Experiences With Tungsten Plasma Facing Components in ASDEX Upgrade and JET. IEEE Transactions on Plasma Science, 2014, 42, 552-562.	0.6	29
123	Tungsten transport and sources control in JET ITER-like wall H-mode plasmas. Journal of Nuclear Materials, 2015, 463, 85-90.	1.3	29
124	Wall conditioning for ITER: Current experimental and modeling activities. Journal of Nuclear Materials, 2015, 463, 150-156.	1.3	28
125	Limiter observations during W7-X first plasmas. Nuclear Fusion, 2017, 57, 056036.	1.6	28
126	Nonlinear Impact of Edge Localized Modes on Carbon Erosion in the Divertor of the JET Tokamak. Physical Review Letters, 2009, 102, 045007.	2.9	27

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127	European roadmap to the realization of fusion energy: Mission for solution on heat-exhaust systems. Fusion Engineering and Design, 2015, 96-97, 361-364.	1.0	27
128	Characterisation of the deuterium recycling at the W divertor target plates in JET during steady-state plasma conditions and ELMs. Physica Scripta, 2016, T167, 014076.	1.2	27
129	Assessment of SOLPS5.0 divertor solutions with drifts and currents against L-mode experiments in ASDEX Upgrade and JET. Plasma Physics and Controlled Fusion, 2017, 59, 035003.	0.9	27
130	First ERO2.0 modeling of Be erosion and non-local transport in JET ITER-like wall. Physica Scripta, 2017, T170, 014018.	1.2	27
131	Surface roughness effect on Mo physical sputtering and re-deposition in the linear plasma device PSI-2 predicted by ERO2.0. Nuclear Materials and Energy, 2019, 19, 13-18.	0.6	27
132	Increasing the density in Wendelstein 7-X: benefits and limitations. Nuclear Fusion, 2020, 60, 036020.	1.6	27
133	Power load characterization for type-I ELMy H-modes in JET. Nuclear Fusion, 2011, 51, 123001.	1.6	26
134	Ionization ofWatoms andW⁺ions by electrons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 125201.	0.6	26
135	Simulation of ITER full-field ICWC scenario in JET: RF physics aspects. Plasma Physics and Controlled Fusion, 2012, 54, 074014.	0.9	26
136	Plasma Facing Materials for the JET ITER-Like Wall. Fusion Science and Technology, 2012, 62, 1-8.	0.6	26
137	Spectroscopic measurements of Be erosion at JET ILW and interpretation with ERO modelling. Journal of Nuclear Materials, 2013, 438, S267-S271.	1.3	26
138	Modelling of the material transport and layer formation in the divertor of JET: Comparison of ITER-like wall with full carbon wall conditions. Journal of Nuclear Materials, 2015, 463, 116-122.	1.3	26
139	Experience on divertor fuel retention after two ITER-Like Wall campaigns. Physica Scripta, 2017, T170, 014063.	1.2	26
140	Impact of boronizations on impurity sources and performance in Wendelstein 7-X. Nuclear Fusion, 2020, 60, 086007.	1.6	26
141	Molecular and Atomic Deuterium in the Plasma Edge of TEXTOR-94. Contributions To Plasma Physics, 2002, 42, 668-674.	0.5	25
142	Chemical Erosion Measurements in Tokamaks by Spectroscopy. Physica Scripta, 2004, T111, 42.	1.2	25
143	First results from the dynamic ergodic divertor at TEXTOR. Journal of Nuclear Materials, 2005, 337-339, 171-175.	1.3	25
144	Study of local carbon transport on graphite, tungsten and molybdenum test limiters in TEXTOR by 13CH4 tracer injection. Journal of Nuclear Materials, 2007, 363-365, 179-183.	1.3	25

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145	Deposition and re-erosion studies by means of local impurity injection in TEXTOR. Journal of Nuclear Materials, 2011, 415, S239-S245.	1.3	25
146	Impact of divertor geometry on radiative divertor performance in JET H-mode plasmas. Plasma Physics and Controlled Fusion, 2016, 58, 045011.	0.9	25
147	Comparison of H-mode plasmas in JET-ILW and JET-C with and without nitrogen seeding. Nuclear Fusion, 2016, 56, 046012.	1.6	25
148	Fuel inventory and deposition in castellated structures in JET-ILW. Nuclear Fusion, 2017, 57, 066027.	1.6	25
149	Long-term fuel retention and release in JET ITER-Like Wall at ITER-relevant baking temperatures. Nuclear Fusion, 2017, 57, 086024.	1.6	25
150	Material migration and fuel retention studies during the JET carbon divertor campaigns. Fusion Engineering and Design, 2019, 138, 78-108.	1.0	25
151	Wall conditioning in fusion devices with superconducting coils. Plasma Physics and Controlled Fusion, 2020, 62, 034002.	0.9	25
152	Interpretation of radiative divertor studies with impurity seeding in type-I ELMy H-mode plasmas in JET-ILW using EDGE2Dâ€“EIRENE. Journal of Nuclear Materials, 2015, 463, 135-142.	1.3	24
153	Modelling of tungsten erosion and deposition in the divertor of JET-ILW in comparison to experimental findings. Nuclear Materials and Energy, 2019, 18, 239-244.	0.6	24
154	Overview of the results from divertor experiments with attached and detached plasmas at Wendelstein 7-X and their implications for steady-state operation. Nuclear Fusion, 2021, 61, 106003.	1.6	24
155	Experimental confirmation of efficient island divertor operation and successful neoclassical transport optimization in Wendelstein 7-X. Nuclear Fusion, 2022, 62, 042022.	1.6	24
156	Oxygen ion impurity in the TEXTOR tokamak boundary plasma observed and analysed by Zeeman spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 1525-1553.	0.6	23
157	Integrated modelling of a JET type-I ELMy H-mode pulse and predictions for ITER-like wall scenarios. Plasma Physics and Controlled Fusion, 2011, 53, 124039.	0.9	23
158	Deuterium Balmer/Stark spectroscopy and impurity profiles: First results from mirror-link divertor spectroscopy system on the JET ITER-like wall. Journal of Nuclear Materials, 2013, 438, S607-S611.	1.3	23
159	Wall conditioning of JET with the ITER-Like Wall. Journal of Nuclear Materials, 2013, 438, S1172-S1176.	1.3	23
160	Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution ^a. Nuclear Fusion, 2017, 57, 102014.	1.6	23
161	Overview of wall probes for erosion and deposition studies in the TEXTOR tokamak. Matter and Radiation at Extremes, 2017, 2, 87-104.	1.5	23
162	First demonstration of radiative power exhaust with impurity seeding in the island divertor at Wendelstein 7-X. Nuclear Fusion, 2019, 59, 106020.	1.6	23

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163	Melt-layer ejection and material changes of three different tungsten materials under high heat-flux conditions in the tokamak edge plasma of TEXTOR. Nuclear Fusion, 2011, 51, 113020.	1.6	22
164	Poloidal distribution of recycling sources and core plasma fueling in DIII-D, ASDEX-Upgrade and JET L-mode plasmas. Plasma Physics and Controlled Fusion, 2011, 53, 124017.	0.9	22
165	Disruption heat loads and their mitigation in JET with the ITER-like wall. Journal of Nuclear Materials, 2013, 438, S102-S107.	1.3	22
166	Determination of tungsten and molybdenum concentrations from an x-ray range spectrum in JET with the ITER-like wall configuration. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144023.	0.6	22
167	14 MeV calibration of JET neutron detectorsâ€"phase 1: calibration and characterization of the neutron source. Nuclear Fusion, 2018, 58, 026012.	1.6	22
168	ITER monoblock performance under lifetime loading conditions in Magnum-PSI. Physica Scripta, 2020, T171, 014065.	1.2	22
169	Investigation of plasma wall interactions between tungsten plasma facing components and helium plasmas in the WEST tokamak. Nuclear Fusion, 2022, 62, 076028.	1.6	22
170	Laser induced desorption as tritium retention diagnostic method in ITER. Fusion Engineering and Design, 2011, 86, 1332-1335.	1.0	21
171	Influence of cross-field drifts and chemical sputtering on simulations of divertor particle and heat loads in ohmic and L-mode plasmas in DIII-D, AUG, and JET using UEDGE. Journal of Nuclear Materials, 2011, 415, S530-S534.	1.3	21
172	Relevance of collisionality in the transport model assumptions for divertor detachment multi-fluid modelling on JET. Journal of Nuclear Materials, 2011, 415, S535-S539.	1.3	21
173	Determination of Be sputtering yields from spectroscopic observations at the JET ITER-like wall based on three-dimensional ERO modelling. Physica Scripta, 2014, T159, 014057.	1.2	21
174	Influence of seeding and SOL transport on plasma parameters in JET ITER-like wall H-mode discharges. Journal of Nuclear Materials, 2015, 463, 649-653.	1.3	21
175	Modelling of Impurity Transport and Plasmaâ€"Wall Interaction in Fusion Devices with the ERO Code: Basics of the Code and Examples of Application. Contributions To Plasma Physics, 2016, 56, 622-627.	0.5	21
176	ERO modelling of tungsten erosion in the linear plasma device PSI-2. Nuclear Materials and Energy, 2017, 12, 253-260.	0.6	21
177	Investigation of 3D effects on heat fluxes in performance-optimized island divertor configurations at Wendelstein 7-X. Nuclear Materials and Energy, 2019, 18, 262-267.	0.6	21
178	Data on erosion and hydrogen fuel retention in Beryllium plasma-facing materials. Nuclear Materials and Energy, 2021, 27, 100994.	0.6	21
179	Deuterium release and microstructure of tantalumâ€"tungsten twin limiter exposed in TEXTOR-94. Journal of Nuclear Materials, 2002, 307-311, 79-83.	1.3	20
180	Plasma Edge Diagnostics for TEXTOR. Fusion Science and Technology, 2005, 47, 209-219.	0.6	20

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181	ICRF physics aspects of wall conditioning with conventional antennas in large-size tokamaks. Journal of Nuclear Materials, 2011, 415, S1029-S1032.	1.3	20
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