Alexander Huber

List of Publications by Year
in descending order

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244 papers	6,407 citations	66343 42 h-index	114465 63 g-index
245 all docs	245 docs citations	245 times ranked	2657 citing authors

#	Article	IF	Citations
1	Fuel retention studies with the ITER-Like Wall in JET. Nuclear Fusion, 2013, 53, 083023.	3.5	193
2	Disruption mitigation by massive gas injection in JET. Nuclear Fusion, 2011, 51, 123010.	3.5	148
3	Linear Plasma Device PSI-2 for Plasma-Material Interaction Studies. Fusion Science and Technology, 2015, 68, 8-14.	1.1	139
4	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.	3.5	118
5	Plasma surface interactions in impurity seeded plasmas. Journal of Nuclear Materials, 2011, 415, S19-S26.	2.7	116
6	Development of laser-based techniques forin situcharacterization of the first wall in ITER and future fusion devices. Nuclear Fusion, 2013, 53, 093002.	3.5	99
7	Dust particles in controlled fusion devices: morphology, observations in the plasma and influence on the plasma performance. Nuclear Fusion, 2001, 41, 1087-1099.	3.5	96
8	Edge and divertor physics with reversed toroidal field in JET. Journal of Nuclear Materials, 2005, 337-339, 146-153.	2.7	96
9	Power exhaust by SOL and pedestal radiation at ASDEX Upgrade and JET. Nuclear Materials and Energy, 2017, 12, 111-118.	1.3	92
10	Impact of carbon and tungsten as divertor materials on the scrape-off layer conditions in JET. Nuclear Fusion, 2013, 53, 093016.	3.5	91
11	Active control of type-I edge localized modes withn= 1 andn= 2 fields on JET. Nuclear Fusion, 2010, 50, 025013.	3.5	86
12	ELM transport in the JET scrape-off layer. Nuclear Fusion, 2007, 47, 1437-1448.	3.5	84
13	Numerical modelling of high density JET divertor plasma with the SOLPS4.2 (B2-EIRENE) code. Plasma Physics and Controlled Fusion, 2008, 50, 105012.	2.1	84
14	Beryllium migration in JET ITER-like wall plasmas. Nuclear Fusion, 2015, 55, 063021.	3.5	83
15	Impact and mitigation of disruptions with the ITER-like wall in JET. Nuclear Fusion, 2013, 53, 093007.	3.5	81
16	Technical challenges in the construction of the steady-state stellarator Wendelstein 7-X. Nuclear Fusion, 2013, 53, 126001.	3.5	77
17	Plasma edge physics with siliconization in TEXTOR. Journal of Nuclear Materials, 1995, 220-222, 25-35.	2.7	76
18	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.	2.7	76

#	Article	IF	Citations
19	Upgraded bolometer system on JET for improved radiation measurements. Fusion Engineering and Design, 2007, 82, 1327-1334.	1.9	73
20	JET disruption studies in support of ITER. Plasma Physics and Controlled Fusion, 2010, 52, 124018.	2.1	71
21	The impact of the ITER-like wall at JET on disruptions. Plasma Physics and Controlled Fusion, 2012, 54, 124032.	2.1	70
22	The H-mode density limit in the full tungsten ASDEX Upgrade tokamak. Plasma Physics and Controlled Fusion, 2015, 57, 014038.	2.1	70
23	Dust studies in DIII-D and TEXTOR. Nuclear Fusion, 2009, 49, 085022.	3.5	65
24	Investigation of the impact of transient heat loads applied by laser irradiation on ITER-grade tungsten. Physica Scripta, 2014, T159, 014005.	2.5	65
25	Development of laser-based diagnostics for surface characterisation of wall components in fusion devices. Fusion Engineering and Design, 2011, 86, 1336-1340.	1.9	64
26	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.	2.1	64
27	Limiter Lock Systems at TEXTOR: Flexible Tools for Plasma-Wall Investigation. Fusion Science and Technology, 2005, 47, 138-145.	1.1	62
28	In situ measurement and modeling of hydrogen recycling and transport processes â€“ the role of molecules. Journal of Nuclear Materials, 1999, 266-269, 138-145.	2.7	60
29	Erosion, screening, and migration of tungsten in the JET divertor. Nuclear Fusion, 2019, 59, 096035.	3.5	60
30	Integration of a radiative divertor for heat load control into JET high triangularity ELMy H-mode plasmas. Nuclear Fusion, 2012, 52, 063022.	3.5	58
31	Formation of the high density front in the inner far SOL at ASDEX Upgrade and JET. Journal of Nuclear Materials, 2015, 463, 541-545.	2.7	57
32	Modelling of carbon transport in fusion devices: evidence of enhanced re-erosion of in-situ re-deposited carbon. Journal of Nuclear Materials, 2004, 328, 62-66.	2.7	56
33	Active control of type-I edge localized modes on JET. Plasma Physics and Controlled Fusion, 2007, 49, B581-B589.	2.1	54
34	Magnetic energy flows during the current quench and termination of disruptions with runaway current plateau formation in JET and implications for ITER. Nuclear Fusion, 2011, 51, 073004.	3.5	52
35	Experience with bulk tungsten test-limiters under high heat loads: melting and melt layer propagation. Physica Scripta, 2007, T128, 81-86.	2.5	51
36	Short and long range transport of materials eroded from wall components in fusion devices. Journal of Nuclear Materials, 2003, 313-316, 311-320.	2.7	49

#	Article	IF	Citations
37	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.	1.3	49
38	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.	1.5	47
39	A protection system for the JET ITER-like wall based on imaging diagnostics. Review of Scientific Instruments, 2012, 83, 10D727.	1.3	47
40	Experiments with tungsten limiters in TEXTOR-94. Journal of Nuclear Materials, 1998, 258-263, 858-864.	2.7	46
41	Strongly radiating type-III ELMy H-mode in JET â€“ an integrated scenario for ITER. Journal of Nuclear Materials, 2005, 337-339, 826-830.	2.7	45
42	Pedestal and ELM response to impurity seeding in JET advanced scenario plasmas. Nuclear Fusion, 2008, 48, 095004.	3.5	44
43	Impact of combined hydrogen plasma and transient heat loads on the performance of tungsten as plasma facing material. Nuclear Fusion, 2015, 55, 123017.	3.5	44
44	Application of tungsten for plasma limiters in TEXTOR. Journal of Nuclear Materials, 2000, 283-287, 1128-1133.	2.7	42
45	Operation of TEXTOR-94 with tungsten poloidal main limiters. Journal of Nuclear Materials, 2001, 290-293, 947-952.	2.7	42
46	Impurity-seeded ELMy H-modes in JET, with high density and reduced heat load. Nuclear Fusion, 2005, 45, 1404-1410.	3.5	40
47	Results from a double Li-beam technique for measurement of both radial and poloidal components of electron density fluctuations using two thermal beams. Plasma Physics and Controlled Fusion, 2005, 47, 409-440.	2.1	39
48	H-mode access in the low density regime on JET. Plasma Physics and Controlled Fusion, 2006, 48, 479-488.	2.1	39
49	Erosion of a tungsten limiter under high heat flux in TEXTOR. Journal of Nuclear Materials, 2007, 363-365, 96-100.	2.7	38
50	Investigation into the formation of the scrape-off layer density shoulder in JET ITER-like wall L-mode and H-mode plasmas. Nuclear Fusion, 2018, 58, 056001.	3.5	38
51	Spectroscopic measurements of the ion temperature profile in front of a limiter in TEXTOR-94. Plasma Physics and Controlled Fusion, 2000, 42, 569-578.	2.1	37
52	Progress in understanding halo current at JET. Nuclear Fusion, 2009, 49, 055012.	3.5	37
53	Observation of Confined Current Ribbon in JET Plasmas. Physical Review Letters, 2010, 104, 185003.	7.8	37
54	Characterisation of highly radiating neon seeded plasmas in JET-ILW. Nuclear Fusion, 2019, 59, 126031.	3.5	37

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55	Integrated scenario with type-III ELMy H-mode edge: extrapolation to ITER. Nuclear Fusion, 2009, 49, 095012.	3.5	36
56	Plasmaâ€“surface interactions during tokamak disruptions and rapid shutdowns. Journal of Nuclear Materials, 2011, 415, S27-S34.	2.7	36
57	Beryllium global erosion and deposition at JET-ILW simulated with ERO2.0. Nuclear Materials and Energy, 2019, 18, 331-338.	1.3	36
58	Long-term evolution of the impurity composition and impurity events with the ITER-like wall at JET. Nuclear Fusion, 2013, 53, 073043.	3.5	35
59	ICRF specific plasma wall interactions in JET with the ITER-like wall. Journal of Nuclear Materials, 2013, 438, S160-S165.	2.7	35
60	Development of ITER relevant laser techniques for deposited layer characterisation and tritium inventory. Journal of Nuclear Materials, 2013, 438, S936-S939.	2.7	35
61	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.	3.5	35
62	Dynamics and stability of divertor detachment in H-mode plasmas on JET. Plasma Physics and Controlled Fusion, 2017, 59, 095003.	2.1	34
63	Formation of Carbon Containing Layers on Tungsten Test Limiters. Physica Scripta, 1999, T81, 61.	2.5	34
64	Identification of molecular carbon sources in the JET divertor by means of emission spectroscopy. Journal of Nuclear Materials, 2005, 337-339, 1058-1063.	2.7	33
65	Development of steady-state scenarios compatible with ITER-like wall conditions. Plasma Physics and Controlled Fusion, 2007, 49, B529-B550.	2.1	33
66	Laser techniques implementation for wall surface characterization and conditioning. Physica Scripta, 2009, T138, 014008.	2.5	33
67	The impact of large ELMs on JET. Journal of Nuclear Materials, 2009, 390-391, 755-759.	2.7	32
68	In situ characterisation of hydrocarbon layers in TEXTOR by laser induced ablation and laser induced breakdown spectroscopy. Journal of Nuclear Materials, 2011, 415, S1195-S1198.	2.7	32
69	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.	3.5	31
70	Study of the feasibility of applying laser-induced breakdown spectroscopy forin-situcharacterization of deposited layers in fusion devices. Physica Scripta, 2011, T145, 014028.	2.5	31
71	Application of laser-induced breakdown spectroscopy for characterization of material deposits and tritium retention in fusion devices. Fusion Engineering and Design, 2013, 88, 1813-1817.	1.9	31
72	Heat loads on plasma facing components during disruptions on JET. Nuclear Fusion, 2009, 49, 085038.	3.5	29

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73	Overview of experimental preparation for the ITER-Like Wall at JET. Journal of Nuclear Materials, 2011, 415, S936-S942.	2.7	29
74	Digital twin applications for the JET divertor. Fusion Engineering and Design, 2017, 125, 71-76.	1.9	29
75	Theoretical investigation of crack formation in tungsten after heat loads. Journal of Nuclear Materials, 2015, 463, 246-249.	2.7	28
76	The influence of impurities on limiter tokamak plasmas and relevant mechanisms. Plasma Physics and Controlled Fusion, 1995, 37, A241-A253.	2.1	27
77	Improved radiation measurements on JET â€“ First results from an upgraded bolometer system. Journal of Nuclear Materials, 2007, 363-365, 365-370.	2.7	27
78	Influence of helium induced nanostructures on the thermal shock performance of tungsten. Nuclear Materials and Energy, 2016, 9, 177-180.	1.3	27
79	First ERO2.0 modeling of Be erosion and non-local transport in JET ITER-like wall. Physica Scripta, 2017, T170, 014018.	2.5	27
80	Power load characterization for type-I ELMy H-modes in JET. Nuclear Fusion, 2011, 51, 123001.	3.5	26
81	In-situ analysis of the first wall by laser-induced breakdown spectroscopy in the TEXTOR tokamak: Dependence on the magnetic field strength. Journal of Nuclear Materials, 2015, 463, 911-914.	2.7	26
82	Chemical Erosion Measurements in Tokamaks by Spectroscopy. Physica Scripta, 2004, T111, 42.	2.5	25
83	Deposition and re-erosion studies by means of local impurity injection in TEXTOR. Journal of Nuclear Materials, 2011, 415, S239-S245.	2.7	25
84	Impact of divertor geometry on radiative divertor performance in JET H-mode plasmas. Plasma Physics and Controlled Fusion, 2016, 58, 045011.	2.1	25
85	Comparison of H-mode plasmas in JET-ILW and JET-C with and without nitrogen seeding. Nuclear Fusion, 2016, 56, 046012.	3.5	25
86	Shattered pellet injection experiments at JET in support of the ITER disruption mitigation system design. Nuclear Fusion, 2022, 62, 026012.	3.5	25
87	Investigation of self-organized criticality behavior of edge plasma transport in Torus experiment of technology oriented research. Physics of Plasmas, 2004, 11, 5413-5422.	1.9	24
88	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.	2.7	24
89	Calculation of cracking under pulsed heat loads in tungsten manufactured according to ITER specifications. Journal of Nuclear Materials, 2015, 467, 165-171.	2.7	24
90	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.	1.3	24

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91	Energy flow during disruptions in JET. Journal of Nuclear Materials, 2005, 337-339, 702-706.	2.7	23
92	The effect of field reversal on the JET MkIIGB-SRP divertor performance in L-mode density limit discharges. Journal of Nuclear Materials, 2005, 337-339, 241-245.	2.7	23
93	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.	2.1	23
94	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.	2.7	23
95	Investigation of the Impact on Tungsten of Transient Heat Loads Induced by Laser Irradiation, Electron Beams and Plasma Guns. Fusion Science and Technology, 2013, 63, 197-200.	1.1	23
96	Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution ^a. Nuclear Fusion, 2017, 57, 102014.	3.5	23
97	Overview of wall probes for erosion and deposition studies in the TEXTOR tokamak. Matter and Radiation at Extremes, 2017, 2, 87-104.	3.9	23
98	Physically principled reflection models applied to filtered camera imaging inversions in metal walled fusion machines. Review of Scientific Instruments, 2019, 90, 043504.	1.3	23
99	Modelling of erosion and deposition at limiter surfaces and divertor target plates. Journal of Nuclear Materials, 2001, 290-293, 238-244.	2.7	22
100	Development of ICRF wall conditioning technique on divertor-type tokamaks ASDEX Upgrade and JET. Journal of Nuclear Materials, 2005, 337-339, 456-460.	2.7	22
101	Real-time measurement and control at JET experiment control. Fusion Engineering and Design, 2005, 74, 561-566.	1.9	22
102	Heat load measurements on the JET first wall during disruptions. Journal of Nuclear Materials, 2011, 415, S817-S820.	2.7	22
103	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.	2.1	22
104	Disruption heat loads and their mitigation in JET with the ITER-like wall. Journal of Nuclear Materials, 2013, 438, S102-S107.	2.7	22
105	Effect of reflections on 2D tomographic reconstructions of filtered cameras and on interpreting spectroscopic measurements in the JET ITER-like wall divertor. Review of Scientific Instruments, 2019, 90, .	1.3	22
106	Testing of Tungsten and Tantalum Limiters at the TEXTOR Tokamak: Material Performance and Deuterium Retention. Physica Scripta, 2003, T103, 59.	2.5	21
107	Laser induced desorption as tritium retention diagnostic method in ITER. Fusion Engineering and Design, 2011, 86, 1332-1335.	1.9	21
108	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.	2.7	21

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109	Operational limits under different wall conditions on TEXTOR-94. Journal of Nuclear Materials, 2001, 290-293, 1148-1154.	2.7	20
110	Deuterium release and microstructure of tantalumâ€“tungsten twin limiter exposed in TEXTOR-94. Journal of Nuclear Materials, 2002, 307-311, 79-83.	2.7	20
111	Chemical erosion behaviour of carbon materials in fusion devices. Journal of Nuclear Materials, 2003, 313-316, 354-359.	2.7	20
112	Plasma Edge Diagnostics for TEXTOR. Fusion Science and Technology, 2005, 47, 209-219.	1.1	20
113	Effect of BÃ—âˆ‡B direction on SOL energy transport in JET. Journal of Nuclear Materials, 2005, 337-339, 305-309.	2.7	20
114	Divertor plasma conditions and neutral dynamics in horizontal and vertical divertor configurations in JET-ILW low confinement mode plasmas. Journal of Nuclear Materials, 2015, 463, 471-476.	2.7	20
115	Space resolved fluctuations of electron density measured by means of two thermal Li-beams in TEXTOR-94. Journal of Nuclear Materials, 1999, 266-269, 546-551.	2.7	19
116	Septum assessment of the JET gas box divertor. Plasma Physics and Controlled Fusion, 2008, 50, 095015.	2.1	19
117	Effect of disruptions on fuel release from JET walls. Journal of Nuclear Materials, 2009, 390-391, 478-481.	2.7	19
118	Moderation of divertor heat loads by fuelling and impurity seeding in well-confined ELMy H-mode plasmas on JET. Nuclear Fusion, 2011, 51, 042001.	3.5	19
119	Performance and erosion of a tungsten brush limiter exposed at the TEXTOR tokamak. Journal of Nuclear Materials, 2003, 313-316, 67-71.	2.7	18
120	New bolometry cameras for the JET Enhanced Performance Phase. Fusion Engineering and Design, 2005, 74, 679-683.	1.9	18
121	Prospects for steady-state scenarios on JET. Nuclear Fusion, 2007, 47, 1285-1292.	3.5	18
122	Radiation loads onto plasma-facing components of JET during transient events â€“ Experimental results and implications for ITER. Journal of Nuclear Materials, 2011, 415, S821-S827.	2.7	18
123	Laser-based and thermal methods for fuel removal and cleaning of plasma-facing components. Journal of Nuclear Materials, 2011, 415, S801-S804.	2.7	18
124	In situ detection of hydrogen retention in TEXTOR by laser induced desorption. Journal of Nuclear Materials, 2009, 390-391, 576-580.	2.7	17
125	Simulation calculations of mutual contamination between tungsten and carbon and its impact on plasma surface interactions. Journal of Nuclear Materials, 2001, 290-293, 303-307.	2.7	16
126	Plasma radiation distribution and radiation loads onto the vessel during transient events in JET. Journal of Nuclear Materials, 2009, 390-391, 830-834.	2.7	16

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127	Power handling of a segmented bulk W tile for JET under realistic plasma scenarios. Journal of Nuclear Materials, 2011, 415, S943-S947.	2.7	16
128	Target particle and heat loads in low-triangularity L-mode plasmas in JET with carbon and beryllium/tungsten walls. Journal of Nuclear Materials, 2013, 438, S175-S179.	2.7	16
129	Combined impact of transient heat loads and steady-state plasma exposure on tungsten. Fusion Engineering and Design, 2015, 98-99, 1328-1332.	1.9	16
130	Îœicro-structured tungsten: an advanced plasma-facing material. Nuclear Materials and Energy, 2019, 19, 7-12.	1.3	16
131	Determination of tungsten sources in the JET-ILW divertor by spectroscopic imaging in the presence of a strong plasma continuum. Nuclear Materials and Energy, 2019, 18, 118-124.	1.3	16
132	Optical Coatings as Mirrors for Optical Diagnostics. Journal of Coating Science and Technology, 2016, 2, 72-78.	0.3	16
133	Material mixing on W/C twin limiter in TEXTOR-94. Fusion Engineering and Design, 2000, 49-50, 355-362.	1.9	15
134	Comparison of impurity production, recycling and power deposition on carbon and tungsten limiters in TEXTOR-94. Journal of Nuclear Materials, 2001, 290-293, 276-280.	2.7	15
135	Tomographic reconstruction of 2D line radiation distribution in the JET MkIIGB divertor. Journal of Nuclear Materials, 2003, 313-316, 925-930.	2.7	15
136	Moderation of target loads using fuelling and impurity seeding on JET. Journal of Nuclear Materials, 2011, 415, S313-S317.	2.7	15
137	Fuel retention in impurity seeded discharges in JET after Be evaporation. Nuclear Fusion, 2011, 51, 073007.	3.5	15
138	Hydrogen retention in tungsten materials studied by Laser Induced Desorption. Journal of Nuclear Materials, 2013, 438, S1155-S1159.	2.7	15
139	Progress from ASDEX Upgrade experiments in preparing the physics basis of ITER operation and DEMO scenario development. Nuclear Fusion, 2022, 62, 042006.	3.5	15
140	Molecular deuterium sources in the outer divertor of JET. Journal of Nuclear Materials, 2005, 337-339, 500-504.	2.7	14
141	Laser desorption of deuterium retained in re-deposited carbon layers at TEXTOR and JET. Journal of Nuclear Materials, 2005, 337-339, 570-574.	2.7	14
142	The impact of divertor detachment on carbon sources in JET L-mode discharges. Journal of Nuclear Materials, 2009, 390-391, 267-273.	2.7	14
143	Ion cyclotron wall conditioning in reactive gases on TEXTOR. Journal of Nuclear Materials, 2009, 390-391, 979-982.	2.7	14
144	Real-time protection of the JET ITER-like wall based on near infrared imaging diagnostic systems. Nuclear Fusion, 2018, 58, 106021.	3.5	14

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145	Chemical Erosion in TEXTOR-94. Physica Scripta, 1999, T81, 48.	2.5	14
146	In-Situ Measurement of Trapped Hydrogen by Laser Desorption in TEXTOR-94. Physica Scripta, 2001, T94, 102.	2.5	13
147	Arcing at B4C-covered limiters exposed to a SOL-plasma. Journal of Nuclear Materials, 2003, 313-316, 62-66.	2.7	13
148	Divertor detachment during pure helium plasmas in JET. Journal of Nuclear Materials, 2003, 313-316, 980-985.	2.7	13
149	Movement of liquid beryllium during melt events in JET with ITER-like wall. Physica Scripta, 2014, T159, 014041.	2.5	13
150	Analysis and removal of ITER relevant materials and deposits by laser ablation. Journal of Nuclear Materials, 2014, 455, 180-184.	2.7	13
151	Time resolved imaging of laser induced ablation spectroscopy (LIAS) in TEXTOR and comparison with modeling. Physica Scripta, 2016, T167, 014034.	2.5	13
152	High power neon seeded JET discharges: Experiments and simulations. Nuclear Materials and Energy, 2017, 12, 882-886.	1.3	13
153	Comparative H-mode density limit studies in JET and AUG. Nuclear Materials and Energy, 2017, 12, 100-110.	1.3	13
154	Density limits in helium plasmas at JET. Journal of Nuclear Materials, 2003, 313-316, 524-529.	2.7	12
155	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
156	Hybrid H-mode scenario with nitrogen seeding and type III ELMs in JET. Plasma Physics and Controlled Fusion, 2008, 50, 115012.	2.1	12
157	Highly radiating type-III ELMy H-mode with low plasma core pollution. Journal of Nuclear Materials, 2009, 390-391, 238-241.	2.7	12
158	Sequential and simultaneous thermal and particle exposure of tungsten. Physica Scripta, 2016, T167, 014053.	2.5	12
159	Development of Thick B4C Coatings for the First Wall of W7-X. Physica Scripta, 2001, T91, 117.	2.5	11
160	Spectroscopic observation of Si I- and Si II-emission lines in the boundary of TEXTOR and comparison with kinetic calculations. Plasma Physics and Controlled Fusion, 2003, 45, 89-103.	2.1	11
161	A new radiation-hard endoscope for divertor spectroscopy on JET. Fusion Engineering and Design, 2013, 88, 1361-1365.	1.9	11
162	Recent developments of in-vessel calibration of mid-IR cameras at JET. Review of Scientific Instruments, 2016, 87, 11D419.	1.3	11

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163	Density limit of H-mode plasmas on JET-ILW. Journal of Nuclear Materials, 2015, 463, 445-449.	2.7	10
164	JUVIL: A new innovative software framework for data analysis of JET imaging systems intended for the study of plasma physics and machine operational safety. Fusion Engineering and Design, 2017, 123, 979-985.	1.9	10
165	Simulation of JET ITER-Like Wall pulses at high neon seeding rate. Nuclear Fusion, 2017, 57, 126021.	3.5	10
166	The isotope effect on divertor conditions and neutral pumping in horizontal divertor configurations in JET-ILW Ohmic plasmas. Nuclear Materials and Energy, 2017, 12, 791-797.	1.3	10
167	Peculiarity of highly radiating multi-impurity seeded H-mode plasmas on JET with ITER-like wall. Physica Scripta, 2020, T171, 014055.	2.5	10
168	Simulation and experimental studies of impurity release from tungsten exposed to edge plasmas in TEXTOR-94. Nuclear Instruments & Methods in Physics Research B, 1999, 153, 354-360.	1.4	9
169	EDGE2D-EIRENE modelling of divertor detachment in JET high triangularity L-mode plasmas in carbon and Be/W environment. Journal of Nuclear Materials, 2013, 438, S638-S642.	2.7	9
170	In-vessel calibration of the imaging diagnostics for the real-time protection of the JET ITER-like wall. Review of Scientific Instruments, 2016, 87, 11D430.	1.3	9
171	Impact on the deuterium retention of simultaneous exposure of tungsten to a steady state plasma and transient heat cycling loads. Physica Scripta, 2016, T167, 014046.	2.5	9
172	The effect of the isotope on the H-mode density limit. Nuclear Fusion, 2017, 57, 086007.	3.5	9
173	Response of the imaging cameras to hard radiation during JET operation. Fusion Engineering and Design, 2017, 123, 669-673.	1.9	9
174	Fuel Retention Diagnostic Setup (FREDIS) for desorption of gases from beryllium and tritium containing samples. Fusion Engineering and Design, 2019, 146, 1176-1180.	1.9	9
175	The software and hardware architecture of the real-time protection of in-vessel components in JET-ILW. Nuclear Fusion, 2019, 59, 076016.	3.5	9
176	B4C-limiter experiments at TEXTOR. Journal of Nuclear Materials, 2003, 313-316, 223-229.	2.7	8
177	Modeling of erosion and deposition patterns on Câ€“W and Wâ€“Ta twin limiters exposed to the TEXTOR edge plasmas. Journal of Nuclear Materials, 2004, 329-333, 732-736.	2.7	8
178	In situmeasurements of fuel retention by laser induced desorption spectroscopy in TEXTOR. Physica Scripta, 2011, T145, 014027.	2.5	8
179	Molecular deuterium behaviour in tungsten divertor on JET. Journal of Nuclear Materials, 2013, 438, S1100-S1103.	2.7	8
180	Material deposition on inner divertor quartz-micro balances during ITER-like wall operation in JET. Journal of Nuclear Materials, 2015, 463, 796-799.	2.7	8

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181	The near infrared imaging system for the real-time protection of the JET ITER-like wall. Physica Scripta, 2017, T170, 014027.	2.5	8
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