Gennady Sergienko

List of Publications by Year
in descending order

231	5,352	81743	138251
papers	citations	39 h-index	58 g-index

232	232	232	2452
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plasmaâ€“surface interaction in the stellarator W7-X: conclusions drawn from operation with graphite plasma-facing components. Nuclear Fusion, 2022, 62, 016006.	1.6	12
2	Investigation of boron distribution and material migration on the W7-X divertor by picosecond LIBS. Physica Scripta, 2022, 97, 024005.	1.2	0
3	Experimental study on the role of the target electron temperature as a key parameter linking recycling to plasma performance in JET-ILW*. Nuclear Fusion, 2022, 62, 066030.	1.6	11
4	In situ study of short-term retention of deuterium in tungsten during and after plasma exposure in PSI-2. Nuclear Fusion, 2021, 61, 096006.	1.6	5
5	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
6	Quantification of erosion pattern using picosecond-LIBS on a vertical divertor target element exposed in W7-X. Nuclear Fusion, 2021, 61, 016025.	1.6	14
7	Double pulse laser-induced breakdown spectroscopy for the analysis of plasma-facing components. Physica Scripta, 2021, 96, 124064.	1.2	5
8	Short-term retention in metallic PFCs: modelling in view of mass spectrometry and LIBS. Physica Scripta, 2021, 96, 124079.	1.2	0
9	Micro-structured tungsten, a high heat flux pulse proof material. Nuclear Materials and Energy, 2020, 25, 100789.	0.6	2
10	Erosion and screening of tungsten during inter/intra-ELM periods in the JET-ILW divertor. Nuclear Materials and Energy, 2020, 25, 100859.	0.6	7
11	Reversed-slit spectroscopy method for in situ measurement of H isotopes on plasma facing material. Journal of Instrumentation, 2020, 15, C01007-C01007.	0.5	0
12	Neutral gas analysis for JET DT operation. Journal of Instrumentation, 2020, 15, C01032-C01032.	0.5	13
13	Efficiency of laser-induced desorption of D from Be/D layers and surface modifications due to LID. Physica Scripta, 2020, T171, 014075.	1.2	11
14	Estimation of ELM effects on Be and W erosion at JET-ILW. Physica Scripta, 2020, T171, 014027.	1.2	1
15	Fuel Retention Diagnostic Setup (FREDIS) for desorption of gases from beryllium and tritium containing samples. Fusion Engineering and Design, 2019, 146, 1176-1180.	1.0	9
16	Erosion, screening, and migration of tungsten in the JET divertor. Nuclear Fusion, 2019, 59, 096035.	1.6	60
17	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
18	The software and hardware architecture of the real-time protection of in-vessel components in JET-ILW. Nuclear Fusion, 2019, 59, 076016.	1.6	9

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19	Laser-Induced Desorption of co-deposited Deuterium in Beryllium Layers on Tungsten. Nuclear Materials and Energy, 2019, 19, 503-509.	0.6	15
20	Chemically assisted physical sputtering of Tungsten: Identification via the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow /><mml:mn>6</mml:mn></mml:msup><mml:mstyle mathvariant="normal"><mml:mi>Î</mml:mi></mml:mstyle><mml:msup><mml:mo>â†'</mml:mo><mml:mn>6</mml:mn></mml:msup> mathvariant="normal"><mml:mi>Îŧ</mml:mi></mml:mstyle><mml:mo>+</mml:mo></mml:msup></mml:mrow></mml:math>	0.6	8
21	Hydrogen isotope ratios measurements by Penning gauge spectroscopy of molecular Fulcher-Ì± band. Fusion Engineering and Design, 2019, 146, 1325-1328.	1.0	0
22	Îœicro-structured tungsten: an advanced plasma-facing material. Nuclear Materials and Energy, 2019, 19, 7-12.	0.6	16
23	An upgraded LIBS system on linear plasma device PSI-2 for in situ diagnostics of plasma-facing materials. Fusion Engineering and Design, 2019, 146, 96-99.	1.0	9
24	Analysis of deposited layers with deuterium and impurity elements on samples from the divertor of JET with ITER-like wall. Journal of Nuclear Materials, 2019, 516, 202-213.	1.3	18
25	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.	0.6	16
26	Diagnostics for plasma control â€“ From ITER to DEMO. Fusion Engineering and Design, 2019, 146, 465-472.	1.0	71
27	NEUTRON RADIATION DAMAGE IN CCD CAMERAS AT JOINT EUROPEAN TORUS (JET). Radiation Protection Dosimetry, 2018, 180, 109-114.	0.4	1
28	Real-time protection of the JET ITER-like wall based on near infrared imaging diagnostic systems. Nuclear Fusion, 2018, 58, 106021.	1.6	14
29	Modelling of deposition and erosion of injected WF6 and MoF6 in TEXTOR. Nuclear Materials and Energy, 2017, 12, 564-568.	0.6	4
30	Design and development of a LIBS system on linear plasma device PSI-2 for in situ real-time diagnostics of plasma-facing materials. Nuclear Materials and Energy, 2017, 12, 1224-1230.	0.6	10
31	Impact of the JET ITER-like wall on H-mode plasma fueling. Nuclear Fusion, 2017, 57, 066024.	1.6	6
32	Improving accuracy of Penning gauge spectroscopy for the determination of hydrogen isotope H/D ratios. Fusion Engineering and Design, 2017, 123, 906-910.	1.0	5
33	The effect of the isotope on the H-mode density limit. Nuclear Fusion, 2017, 57, 086007.	1.6	9
34	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.	1.0	10
35	Influence of the base temperature on the performance of tungsten under thermal and particle exposure. Nuclear Materials and Energy, 2017, 12, 1348-1351.	0.6	5
36	Comparative H-mode density limit studies in JET and AUG. Nuclear Materials and Energy, 2017, 12, 100-110.	0.6	13

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37	Quartz micro-balance results of pulse-resolved erosion/deposition in the JET-ILW divertor. Nuclear Materials and Energy, 2017, 12, 478-482.	0.6	6
38	Response of the imaging cameras to hard radiation during JET operation. Fusion Engineering and Design, 2017, 123, 669-673.	1.0	9
39	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
40	Experimental data on low energy electron impact ionisation of W. Physica Scripta, 2017, T170, 014075.	1.2	1
41	The near infrared imaging system for the real-time protection of the JET ITER-like wall. Physica Scripta, 2017, T170, 014027.	1.2	8
42	Spectroscopic determination of inverse photon efficiencies of W atoms in the scrape-off layer of TEXTOR. Physica Scripta, 2017, T170, 014052.	1.2	20
43	High pulse number thermal shock tests on tungsten with steady state particle background. Physica Scripta, 2017, T170, 014066.	1.2	20
44	Plasmaâ€“wall interaction studies within the EUROfusion consortium: progress on plasma-facing components development and qualification. Nuclear Fusion, 2017, 57, 116041.	1.6	75
45	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
46	Time resolved imaging of laser induced ablation spectroscopy (LIAS) in TEXTOR and comparison with modeling. Physica Scripta, 2016, T167, 014034.	1.2	13
47	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.	0.6	9
48	Melt damage to the JET ITER-like Wall and divertor. Physica Scripta, 2016, T167, 014070.	1.2	58
49	Deuterium retention in tungsten under combined high cycle ELM-like heat loads and steady-state plasma exposure. Nuclear Materials and Energy, 2016, 9, 157-164.	0.6	7
50	Influence of helium induced nanostructures on the thermal shock performance of tungsten. Nuclear Materials and Energy, 2016, 9, 177-180.	0.6	27
51	Melt-layer formation on PFMs and the consequences for the material performance. Nuclear Materials and Energy, 2016, 9, 153-156.	0.6	0
52	Quartz Crystal Microbalances for quantitative picosecond laser-material-interaction investigations â€“ Part I: Technical considerations. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 126, 79-83.	1.5	7
53	Ion beam analysis of tungsten layers in EUROFER model systems and carbon plasma facing components. Nuclear Instruments & Methods in Physics Research B, 2016, 371, 355-359.	0.6	11
54	Sequential and simultaneous thermal and particle exposure of tungsten. Physica Scripta, 2016, T167, 014053.	1.2	12

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55	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.	1.2	9
56	Dust survey following the final shutdown of TEXTOR: metal particles and fuel retention. Physica Scripta, 2016, T167, 014059.	1.2	10
57	Optical Coatings as Mirrors for Optical Diagnostics. Journal of Coating Science and Technology, 2016, 2, 72-78.	0.3	16
58	Isotope exchange by Ion Cyclotron Wall Conditioning on JET. Journal of Nuclear Materials, 2015, 463, 1104-1108.	1.3	16
59	Linear Plasma Device PSI-2 for Plasma-Material Interaction Studies. Fusion Science and Technology, 2015, 68, 8-14.	0.6	139
60	Material deposition on inner divertor quartz-micro balances during ITER-like wall operation in JET. Journal of Nuclear Materials, 2015, 463, 796-799.	1.3	8
61	Density limit of H-mode plasmas on JET-ILW. Journal of Nuclear Materials, 2015, 463, 445-449.	1.3	10
62	Fast camera observations of injected and intrinsic dust in TEXTOR. Plasma Physics and Controlled Fusion, 2015, 57, 125017.	0.9	18
63	Impact of combined hydrogen plasma and transient heat loads on the performance of tungsten as plasma facing material. Nuclear Fusion, 2015, 55, 123017.	1.6	44
64	ELM induced tungsten melting and its impact on tokamak operation. Journal of Nuclear Materials, 2015, 463, 78-84.	1.3	53
65	ELM-induced transient tungsten melting in the JET divertor. Nuclear Fusion, 2015, 55, 023010.	1.6	83
66	High heat-flux self-rotating plasma-facing component: Concept and loading test in TEXTOR. Journal of Nuclear Materials, 2015, 463, 1252-1255.	1.3	1
67	Theoretical investigation of crack formation in tungsten after heat loads. Journal of Nuclear Materials, 2015, 463, 246-249.	1.3	28
68	Thermal analysis of an exposed tungsten edge in the JET divertor. Journal of Nuclear Materials, 2015, 463, 415-419.	1.3	14
69	Combined impact of transient heat loads and steady-state plasma exposure on tungsten. Fusion Engineering and Design, 2015, 98-99, 1328-1332.	1.0	16
70	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.	1.3	26
71	Investigation of the impact of transient heat loads applied by laser irradiation on ITER-grade tungsten. Physica Scripta, 2014, T159, 014005.	1.2	65
72	Movement of liquid beryllium during melt events in JET with ITER-like wall. Physica Scripta, 2014, T159, 014041.	1.2	13

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73	In situdeuterium inventory measurements of a-C:D layers on tungsten in TEXTOR by laser induced ablation spectroscopy. Physica Scripta, 2014, T159, 014054.	1.2	5
74	Liquid metals as alternative solution for the power exhaust of future fusion devices: status and perspective. Physica Scripta, 2014, T159, 014037.	1.2	82
75	Analysis and removal of ITER relevant materials and deposits by laser ablation. Journal of Nuclear Materials, 2014, 455, 180-184.	1.3	13
76	RF physics of ICWC discharge at high cyclotron harmonics. , 2014, , .		7
77	Hydrogen retention in tungsten materials studied by Laser Induced Desorption. Journal of Nuclear Materials, 2013, 438, S1155-S1159.	1.3	15
78	RF sheath-enhanced beryllium sources at JETâ€™s ICRH antennas. Journal of Nuclear Materials, 2013, 438, S594-S598.	1.3	23
79	Impact of carbon and tungsten as divertor materials on the scrape-off layer conditions in JET. Nuclear Fusion, 2013, 53, 093016.	1.6	91
80	Dust investigations in TEXTOR: Impact of dust on plasmaâ€“wall interactions and on plasma performance. Journal of Nuclear Materials, 2013, 438, S126-S132.	1.3	19
81	Self-consistent application of ion cyclotron wall conditioning for co-deposited layer removal and recovery of tokamak operation on TEXTOR. Nuclear Fusion, 2013, 53, 123001.	1.6	15
82	A wide angle view imaging diagnostic with all reflective, in-vessel optics at JET. Fusion Engineering and Design, 2013, 88, 1342-1346.	1.0	17
83	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
84	A new radiation-hard endoscope for divertor spectroscopy on JET. Fusion Engineering and Design, 2013, 88, 1361-1365.	1.0	11
85	Spectroscopic characterisation of the PSI-2 plasma in the ionising and recombining state. Journal of Nuclear Materials, 2013, 438, S1249-S1252.	1.3	11
86	ICRF specific plasma wall interactions in JET with the ITER-like wall. Journal of Nuclear Materials, 2013, 438, S160-S165.	1.3	35
87	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.	1.3	16
88	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.	1.0	31
89	Molecular deuterium behaviour in tungsten divertor on JET. Journal of Nuclear Materials, 2013, 438, S1100-S1103.	1.3	8
90	Antenna coupling study for ICWC plasma characterization in TEXTOR. Pramana - Journal of Physics, 2013, 80, 121-131.	0.9	1

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91	Engineering aspects of a fully mirrored endoscope. Fusion Engineering and Design, 2013, 88, 1400-1404.	1.0	3
92	ICRF physics aspects of wall conditioning plasma characterization in TEXTOR. Fusion Engineering and Design, 2013, 88, 51-56.	1.0	1
93	Development of laser-based techniques forin situcharacterization of the first wall in ITER and future fusion devices. Nuclear Fusion, 2013, 53, 093002.	1.6	99
94	Using the Radiation of Hydrogen Atoms and Molecules to Determine Electron Density and Temperature in the Linear Plasma Device PSI-2. Fusion Science and Technology, 2013, 63, 201-204.	0.6	7
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.	0.6	23
96	Modeling of Impurity Transport in the Divertor of JET. Plasma and Fusion Research, 2013, 8, 2402038-2402038.	0.3	1
97	Supersonic helium beam diagnostic for fluctuation measurements of electron temperature and density at the Tokamak TEXTOR. Review of Scientific Instruments, 2012, 83, 065107.	0.6	16
98	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
99	Simulation of ITER full-field ICWC scenario in JET: RF physics aspects. Plasma Physics and Controlled Fusion, 2012, 54, 074014.	0.9	26
100	JET divertor diagnostic upgrade for neutral gas analysis. Review of Scientific Instruments, 2012, 83, 10D728.	0.6	19
101	Upgrade of the infrared camera diagnostics for the JET ITER-like wall divertor. Review of Scientific Instruments, 2012, 83, 10D530.	0.6	52
102	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.	1.6	6
103	Material and Power-Handling Properties of Tungsten PFCs after Steady-State Melting and Additional Transient High-Heat-Flux Exposure. Fusion Science and Technology, 2012, 61, 129-135.	0.6	8
104	The impact of the ITER-like wall at JET on disruptions. Plasma Physics and Controlled Fusion, 2012, 54, 124032.	0.9	70
105	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.	0.9	5
106	A protection system for the JET ITER-like wall based on imaging diagnostics. Review of Scientific Instruments, 2012, 83, 10D727.	0.6	47
107	Operational issues at high lower hybrid power density in JET: waveguide conditioning and arc detection. Plasma Physics and Controlled Fusion, 2012, 54, 074002.	0.9	5
108	Disruption mitigation by massive gas injection in JET. Nuclear Fusion, 2011, 51, 123010.	1.6	148

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109	Deposition and qualification of tungsten coatings produced by plasma deposition in WF₆precursor gas. Physica Scripta, 2011, T145, 014030.	1.2	11
110	Exposure of tungsten nano-structure to TEXTOR edge plasma. Journal of Nuclear Materials, 2011, 415, S92-S95.	1.3	38
111	Moderation of target loads using fuelling and impurity seeding on JET. Journal of Nuclear Materials, 2011, 415, S313-S317.	1.3	15
112	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
113	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.	1.3	18
114	Heat load measurements on the JET first wall during disruptions. Journal of Nuclear Materials, 2011, 415, S817-S820.	1.3	22
115	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.	1.3	32
116	ICRF physics aspects of wall conditioning with conventional antennas in large-size tokamaks. Journal of Nuclear Materials, 2011, 415, S1029-S1032.	1.3	20
117	Massive gas injections in JET â€“ Impact on wall conditions. Journal of Nuclear Materials, 2011, 415, S828-S831.	1.3	4
118	Isotope exchange experiments on TEXTOR and TORE SUPRA using Ion Cyclotron Wall Conditioning and Glow Discharge Conditioning. Journal of Nuclear Materials, 2011, 415, S1033-S1036.	1.3	16
119	Recent results on Ion Cyclotron Wall Conditioning in mid and large size tokamaks. Journal of Nuclear Materials, 2011, 415, S1021-S1028.	1.3	41
120	Overview of material migration and mixing, fuel retention and cleaning of ITER-like castellated structures in TEXTOR. Journal of Nuclear Materials, 2011, 415, S289-S292.	1.3	20
121	Active control over carbon deposition on diagnostic components and in remote areas of ITER. Journal of Nuclear Materials, 2011, 417, 830-833.	1.3	5
122	Electron density and temperature measurements in TEXTOR ion cyclotron wall conditioning plasmas by thermal Li beam spectroscopy. Journal of Nuclear Materials, 2011, 415, S1166-S1169.	1.3	0
123	Characterization of hydrocarbon and mixed layers in TEXTOR by laser induced ablation spectroscopy. Physica Scripta, 2011, T145, 014026.	1.2	6
124	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
125	Fuel retention in impurity seeded discharges in JET after Be evaporation. Nuclear Fusion, 2011, 51, 073007.	1.6	15
126	0D model of magnetized hydrogenâ€“helium wall conditioning plasmas. Plasma Physics and Controlled Fusion, 2011, 53, 125003.	0.9	21

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127	Modelling of the JET current ramp-up experiments and projection to ITER. Plasma Physics and Controlled Fusion, 2010, 52, 105011.	0.9	19
128	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
129	Survey of dust formed in the TEXTOR tokamak: structure and fuel retention. Physica Scripta, 2009, T138, 014025.	1.2	26
130	Progress in understanding halo current at JET. Nuclear Fusion, 2009, 49, 055012.	1.6	37
131	Study of TEXTOR ICRF Antenna Coupling in the ICWC Mode of Operation. AIP Conference Proceedings, 2009, , .	0.3	2
132	Impurity Radiation for Detecting Arcs during High Lower Hybrid Power Transmission at JET. , 2009, , .		0
133	Material mixing on plasma-facing components: Compound formation. Journal of Nuclear Materials, 2009, 386-388, 740-743.	1.3	16
134	Castellated structures for ITER: Differences of impurity deposition and fuel accumulation in the toroidal and poloidal gaps. Journal of Nuclear Materials, 2009, 386-388, 809-812.	1.3	7
135	Effects of tungsten surface conditions on carbon deposition. Journal of Nuclear Materials, 2009, 390-391, 44-48.	1.3	19
136	Investigations of castellated structures for ITER: The effect of castellation shaping and alignment on fuel retention and impurity deposition in gaps. Journal of Nuclear Materials, 2009, 390-391, 556-559.	1.3	32
137	Plasma radiation distribution and radiation loads onto the vessel during transient events in JET. Journal of Nuclear Materials, 2009, 390-391, 830-834.	1.3	16
138	The impact of divertor detachment on carbon sources in JET L-mode discharges. Journal of Nuclear Materials, 2009, 390-391, 267-273.	1.3	14
139	In situ detection of hydrogen retention in TEXTOR by laser induced desorption. Journal of Nuclear Materials, 2009, 390-391, 576-580.	1.3	17
140	Nitrogen-assisted removal of deuterated carbon layers. Journal of Nuclear Materials, 2009, 390-391, 647-650.	1.3	11
141	Active control of edge localized modes with a low n perturbation fields in the JET tokamak. Journal of Nuclear Materials, 2009, 390-391, 733-739.	1.3	9
142	Influence of toroidal and vertical magnetic fields on Ion Cyclotron Wall Conditioning in tokamaks. Journal of Nuclear Materials, 2009, 390-391, 907-910.	1.3	15
143	Ion cyclotron wall conditioning in reactive gases on TEXTOR. Journal of Nuclear Materials, 2009, 390-391, 979-982.	1.3	14
144	Impurity control in a tokamak edge plasma by a method of Doppler-free spectroscopy. Journal of Nuclear Materials, 2009, 390-391, 1123-1126.	1.3	0

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145	ICRF Wall Conditioning: Present Status and Developments for Future Superconducting Fusion Machines. , 2009, , .		2
146	An overview of fuel retention and morphology in a castellated tungsten limiter. Fusion Engineering and Design, 2008, 83, 1049-1053.	1.0	13
147	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
148	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
149	Deuterium retention in different carbon materials exposed in TEXTOR. Journal of Physics: Conference Series, 2008, 100, 062024.	0.3	6
150	A test of nitrogen-assisted plasma discharges for fuel removal from plasma-facing components in tokamaks. Journal of Physics: Conference Series, 2008, 100, 062027.	0.3	0
151	Tungsten Spectroscopy for Fusion Plasmas. AIP Conference Proceedings, 2007, , .	0.3	1
152	Plasma-induced damage of tungsten coatings on graphite limiters. Physica Scripta, 2007, T128, 162-165.	1.2	17
153	Experience with bulk tungsten test-limiters under high heat loads: melting and melt layer propagation. Physica Scripta, 2007, T128, 81-86.	1.2	51
154	Tungsten spectroscopy for the measurement of W-fluxes from plasma facing components. Plasma Physics and Controlled Fusion, 2007, 49, 1833-1847.	0.9	45
155	Investigations of single crystal and polycrystalline metal mirrors under erosion conditions in TEXTOR. Fusion Engineering and Design, 2007, 82, 123-132.	1.0	48
156	Erosion of a tungsten limiter under high heat flux in TEXTOR. Journal of Nuclear Materials, 2007, 363-365, 96-100.	1.3	38
157	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
158	Characterization of transport in the stochastic edge layer of TEXTOR by analysis of the radial and poloidal distribution of electron density and temperature. Journal of Nuclear Materials, 2007, 363-365, 680-685.	1.3	19
159	Fuel removal from plasma-facing components by oxidation-based techniques. An overview of surface conditions after oxidation. Journal of Nuclear Materials, 2007, 363-365, 877-881.	1.3	32
160	The effect of the magnetic topology on particle recycling in the ergodic divertor of TEXTOR. Journal of Nuclear Materials, 2007, 363-365, 377-381.	1.3	2
161	Molecular (H/D/T) sources in JET. Journal of Nuclear Materials, 2007, 363-365, 811-815.	1.3	10
162	New scenarios of ICRF wall conditioning in TEXTOR and ASDEX Upgrade. Journal of Nuclear Materials, 2007, 363-365, 1358-1363.	1.3	12

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163	Removal of carbon layers by oxygen glow discharges in TEXTOR. Journal of Nuclear Materials, 2007, 363-365, 929-932.	1.3	31
164	In situ diagnostic for monitoring of deuterium and tritium in re-deposited carbon layers by laser induced desorption. Journal of Nuclear Materials, 2007, 363-365, 1375-1379.	1.3	23
165	Diagnostic mirrors for ITER: A material choice and the impact of erosion and deposition on their performance. Journal of Nuclear Materials, 2007, 363-365, 1395-1402.	1.3	94
166	Carbon transport, deposition and fuel accumulation in castellated structures exposed in TEXTOR. Journal of Nuclear Materials, 2007, 367-370, 1481-1486.	1.3	25
167	Long-term erosion and deposition studies of the main graphite limiter in TEXTOR. Physica Scripta, 2007, T128, 35-39.	1.2	5
168	Castellated structures for ITER: the influence of the shape of castellation on the impurity deposition and fuel accumulation in gaps. Physica Scripta, 2007, T128, 45-49.	1.2	10
169	Doppler Line Shapes, Turbulence and Neutral Transport in Tokamak Edge Plasmas. AIP Conference Proceedings, 2006, , .	0.3	0
170	Exposure of reduced activation ferritic steel F82H to TEXTOR plasma. Fusion Engineering and Design, 2006, 81, 925-929.	1.0	2
171	Critical heat flux loading experiments on CVD-W coating in the TEXTOR tokamak. Fusion Engineering and Design, 2006, 81, 175-180.	1.0	36
172	Overview of Experiments with the Dynamic Ergodic Divertor on TEXTOR. Contributions To Plasma Physics, 2006, 46, 515-526.	0.5	19
173	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
174	Mixed and High-Z Plasma-Facing Materials in TEXTOR. Springer Series in Chemical Physics, 2005, , 319-333.	0.2	2
175	Plasma Edge Diagnostics for TEXTOR. Fusion Science and Technology, 2005, 47, 209-219.	0.6	20
176	Limiter Lock Systems at TEXTOR: Flexible Tools for Plasma-Wall Investigation. Fusion Science and Technology, 2005, 47, 138-145.	0.6	62
177	Local effects of gas fuelling and their impact on transport processes in the plasma edge of the tokamak TEXTOR. Journal of Nuclear Materials, 2005, 337-339, 515-519.	1.3	11
178	Exposure of metal mirrors in the scrape-off layer of TEXTOR. Journal of Nuclear Materials, 2005, 337-339, 1116-1120.	1.3	32
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