

Bernhard Unterberg

List of Publications by Year in descending order

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183
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times ranked

2542
citing authors

#	ARTICLE	IF	CITATIONS
1	RMP ELM suppression in DIII-D plasmas with ITER similar shapes and collisionalities. Nuclear Fusion, 2008, 48, 024002.	3.5	348
2	A review of internal transport barrier physics for steady-state operation of tokamaks. Nuclear Fusion, 2004, 44, R1-R49.	3.5	314
3	Overview of the results on divertor heat loads in RMP controlled H-mode plasmas on DIII-D. Nuclear Fusion, 2009, 49, 095013.	3.5	136
4	Radiative edges under control by impurity fluxes. Plasma Physics and Controlled Fusion, 1993, 35, B167-B175.	2.1	131
5	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
6	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
7	Reduction of divertor heat load in JET ELMy H-modes using impurity seeding techniques. Nuclear Fusion, 2004, 44, 312-319.	3.5	91
8	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.	7.8	91
9	Improved plasma performance in TEXTOR with silicon coated surfaces. Physical Review Letters, 1993, 71, 1549-1552.	7.8	90
10	Model for the Transition to the Radiatively Improved Mode in a Tokamak. Physical Review Letters, 2000, 84, 895-898.	7.8	89
11	Aspects of three dimensional transport for ELM control experiments in ITER-similar shape plasmas at low collisionality in DIII-D. Plasma Physics and Controlled Fusion, 2008, 50, 124029.	2.1	89
12	Materials for DEMO and reactor applicationsâ€”boundary conditions and new concepts. Physica Scripta, 2016, T167, 014002.	2.5	85
13	Liquid metals as alternative solution for the power exhaust of future fusion devices: status and perspective. Physica Scripta, 2014, T159, 014037.	2.5	82
14	Identification and analysis of transport domains in the stochastic boundary of TEXTOR-DED for different mode spectra. Nuclear Fusion, 2008, 48, 024009.	3.5	80
15	Status of electron temperature and density measurement with beam emission spectroscopy on thermal helium at TEXTOR. Plasma Physics and Controlled Fusion, 2008, 50, 115004.	2.1	79
16	Plasmaâ€”wall interaction studies within the EUROfusion consortium: progress on plasma-facing components development and qualification. Nuclear Fusion, 2017, 57, 116041.	3.5	75
17	Toroidal Plasma Rotation Induced by the Dynamic Ergodic Divertor in the TEXTOR Tokamak. Physical Review Letters, 2005, 94, 015003.	7.8	73
18	In-vessel saddle coils for MHD control in ASDEX Upgrade. Fusion Engineering and Design, 2009, 84, 290-294.	1.9	72

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19	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	3.5	70
20	Molybdenum test limiter experiments in TEXTOR. Nuclear Fusion, 1994, 34, 1417-1429.	3.5	69
21	Overview of radiative improved mode results on TEXTOR-94. Nuclear Fusion, 1999, 39, 1637-1648.	3.5	69
22	Material testing facilities and programs for plasma-facing component testing. Nuclear Fusion, 2017, 57, 092012.	3.5	68
23	Improved confinement with edge radiative cooling at high densities and high heating power in TEXTOR. Nuclear Fusion, 1994, 34, 825-836.	3.5	66
24	Influence of the Static Dynamic Ergodic Divertor on Edge Turbulence Properties in TEXTOR. Physical Review Letters, 2006, 97, 165003.	7.8	66
25	Investigation of the impact of transient heat loads applied by laser irradiation on ITER-grade tungsten. Physica Scripta, 2014, T159, 014005.	2.5	65
26	Doppler Broadening and Magnetic Field Effects on the Balmer Lines Emitted at the Edge of a Tokamak Plasma. Contributions To Plasma Physics, 1996, 36, 583-604.	1.1	62
27	Impurity-induced turbulence suppression and reduced transport in the DIII-D tokamak. Physics of Plasmas, 2000, 7, 1870-1877.	1.9	60
28	Effect of the dynamic ergodic divertor in the TEXTOR tokamak on MHD stability, plasma rotation and transport. Nuclear Fusion, 2005, 45, 1700-1707.	3.5	58
29	Resonant Pedestal Pressure Reduction Induced by a Thermal Transport Enhancement due to Stochastic Magnetic Boundary Layers in High Temperature Plasmas. Physical Review Letters, 2009, 103, 165005.	7.8	58
30	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
31	Evidence of hot spot formation on carbon limiters due to thermal electron emission. Nuclear Fusion, 1993, 33, 953-961.	3.5	52
32	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
33	Transport studies of high-Z elements in neon edge radiation cooled discharges in TEXTOR-94. Plasma Physics and Controlled Fusion, 1997, 39, 1615-1634.	2.1	51
34	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
35	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
36	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	3.5	50

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37	Impurity-seeded plasma experiments on JET. Nuclear Fusion, 2003, 43, 49-62.	3.5	48
38	Influence of particle flux density and temperature on surface modifications of tungsten and deuterium retention. Journal of Nuclear Materials, 2014, 455, 316-319.	2.7	48
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	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.	1.5	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	Edge turbulence during the static dynamic ergodic divertor experiments in TEXTOR. Nuclear Fusion, 2007, 47, 1696-1709.	3.5	46
43	Overview of JET results. Nuclear Fusion, 2009, 49, 104006.	3.5	46
44	Particle confinement control with resonant magnetic perturbations at TEXTOR. Journal of Nuclear Materials, 2009, 390-391, 330-334.	2.7	46
45	Towards the realization on JET of an integrated H-mode scenario for ITER. Nuclear Fusion, 2004, 44, 124-133.	3.5	45
46	Improved Confinement due to Open Ergodic Field Lines Imposed by the Dynamic Ergodic Divertor in TEXTOR. Physical Review Letters, 2007, 98, 065001.	7.8	45
47	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
48	Nature of high-Z impurity accumulation in tokamaks. Nuclear Fusion, 1997, 37, 1691-1708.	3.5	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	The interaction between plasma rotation, stochastic fields and tearing mode excitation by external perturbation fields. Nuclear Fusion, 2008, 48, 015007.	3.5	40
52	Smart tungsten alloys as a material for the first wall of a future fusion power plant. Nuclear Fusion, 2017, 57, 066020.	3.5	40
53	Impact of stochastic magnetic fields on plasma rotation and radial electric fields in the plasma edge of the tokamak TEXTOR. Journal of Nuclear Materials, 2007, 363-365, 698-702.	2.7	39
54	Overview of JET results. Nuclear Fusion, 2003, 43, 1540-1554.	3.5	38

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55	Evidence of suppression of ITC-instability in the radiatively improved mode in TEXTOR-94. Plasma Physics and Controlled Fusion, 1999, 41, L9-L15.	2.1	37
56	Enhanced confinement discharges in DIII-D with neon and argon induced radiation. Journal of Nuclear Materials, 1999, 266-269, 380-385.	2.7	37
57	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
58	Influence of the dynamic ergodic divertor on transport properties in TEXTOR. Nuclear Fusion, 2007, 47, 522-534.	3.5	37
59	Particle transfer in edge transport barrier with stochastic magnetic field. Physics of Plasmas, 2008, 15, 072515.	1.9	37
60	Influence of tungsten microstructure and ion flux on deuterium plasma-induced surface modifications and deuterium retention. Journal of Nuclear Materials, 2015, 463, 320-324.	2.7	37
61	New linear plasma devices in the trilateral euregio cluster for an integrated approach to plasma surface interactions in fusion reactors. Fusion Engineering and Design, 2011, 86, 1797-1800.	1.9	36
62	Electron cyclotron resonance heating on TEXTOR. Nuclear Fusion, 2003, 43, 1371-1383.	3.5	35
63	Influence of plasma impurities on the deuterium retention in tungsten exposed in the linear plasma generator PSI-2. Journal of Nuclear Materials, 2015, 463, 1021-1024.	2.7	35
64	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.	2.1	34
65	Transport and improved confinement in high power edge radiation cooling experiments on TEXTOR. Nuclear Fusion, 1996, 36, 39-53.	3.5	33
66	Transport and divertor properties of the dynamic ergodic divertor. Plasma Physics and Controlled Fusion, 2005, 47, B237-B248.	2.1	32
67	Effects of impurity seeding in DIII-D radiating mantle discharges. Nuclear Fusion, 2002, 42, 28-41.	3.5	31
68	Status of and prospects for advanced tokamak regimes from multi-machine comparisons using the International Tokamak Physics Activity database. Plasma Physics and Controlled Fusion, 2004, 46, A19-A34.	2.1	31
69	Rotation and radial electric field in the plasma edge with resonant magnetic perturbation at TEXTOR. Nuclear Fusion, 2011, 51, 063030.	3.5	30
70	Helium exhaust in plasmas with strong radiative edge cooling. Journal of Nuclear Materials, 1992, 196-198, 633-636.	2.7	29
71	Long-distance correlation and zonal flow structures induced by mean $E \times B$ shear flows in the biasing H-mode at TEXTOR. Physics of Plasmas, 2009, 16, 110704.	1.9	29
72	MARFE feedback experiments on TEXTOR-94. Journal of Nuclear Materials, 1999, 266-269, 666-672.	2.7	28

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73	On description of magnetic stochasticity in poloidal divertor tokamaks. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	28
74	Theoretical investigation of crack formation in tungsten after heat loads. <i>Journal of Nuclear Materials</i> , 2015, 463, 246-249.	2.7	28
75	The influence of impurities on limiter tokamak plasmas and relevant mechanisms. <i>Plasma Physics and Controlled Fusion</i> , 1995, 37, A241-A253.	2.1	27
76	The influence of plasma-edge properties on high confinement discharges with a radiating plasma mantle at the tokamak TEXTOR-94. <i>Plasma Physics and Controlled Fusion</i> , 1997, 39, B189-B206.	2.1	27
77	Resonant features of energy and particle transport during application of resonant magnetic perturbation fields at TEXTOR and DIII-D. <i>Nuclear Fusion</i> , 2012, 52, 043005.	3.5	27
78	Influence of helium induced nanostructures on the thermal shock performance of tungsten. <i>Nuclear Materials and Energy</i> , 2016, 9, 177-180.	1.3	27
79	Confinement mechanisms in the radiatively improved mode. <i>Plasma Physics and Controlled Fusion</i> , 1999, 41, B317-B327.	2.1	25
80	First results from the dynamic ergodic divertor at TEXTOR. <i>Journal of Nuclear Materials</i> , 2005, 337-339, 171-175.	2.7	25
81	Nature of the Isotope Effect on Transport in Tokamaks. <i>Physical Review Letters</i> , 2004, 92, 215001.	7.8	24
82	Investigation of self-organized criticality behavior of edge plasma transport in Torus experiment of technology oriented research. <i>Physics of Plasmas</i> , 2004, 11, 5413-5422.	1.9	24
83	Predictive modelling of L and H confinement modes and edge pedestal characteristics. <i>Nuclear Fusion</i> , 2005, 45, 468-476.	3.5	24
84	Results and modelling of high power edge radiation cooling in Textor. <i>Physica Scripta</i> , 1995, 52, 449-457.	2.5	23
85	Oxygen ion impurity in the TEXTOR tokamak boundary plasma observed and analysed by Zeeman spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, 1525-1553.	1.5	23
86	Increased understanding of the dynamics and transport in ITB plasmas from multi-machine comparisons. <i>Nuclear Fusion</i> , 2003, 43, 708-715.	3.5	23
87	Comparison of L-mode regimes with enhanced confinement by impurity seeding in JET and DIII-D. <i>Plasma Physics and Controlled Fusion</i> , 2002, 44, 1893-1902.	2.1	22
88	Behaviour of carbon and boron-carbon materials at high temperatures in TEXTOR. <i>Journal of Nuclear Materials</i> , 1992, 196-198, 1106-1111.	2.7	21
89	Experimental measurements of the fuelling efficiency of impurities injected into TEXTOR. <i>Nuclear Fusion</i> , 1993, 33, 1409-1425.	3.5	21
90	Quasistationary High Confinement Discharges with trans-Greenwald Density on TEXTOR-94. <i>Physical Review Letters</i> , 2000, 85, 2312-2315.	7.8	21

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91	Plasma edge transport phenomena caused by particle drifts and sources in TEXTOR. Nuclear Fusion, 2003, 43, 168-178.	3.5	21
92	Confinement transitions with radiation cooling in TEXTOR-94. Plasma Physics and Controlled Fusion, 1996, 38, 279-288.	2.1	20
93	Predictive modelling of impurity seeded plasmas in JET. Plasma Physics and Controlled Fusion, 2002, 44, 1903-1910.	2.1	20
94	Reduction of the turbulent blob transport in the scrape-off layer by a resonant magnetic perturbation in TEXTOR. Nuclear Fusion, 2009, 49, 035005.	3.5	20
95	Smart alloys for a future fusion power plant: First studies under stationary plasma load and in accidental conditions. Nuclear Materials and Energy, 2017, 12, 1363-1367.	1.3	20
96	Plasma-wall interaction of advanced materials. Nuclear Materials and Energy, 2017, 12, 307-312.	1.3	20
97	Sub-surface microstructure of single and polycrystalline tungsten after high flux plasma exposure studied by TEM. Applied Surface Science, 2017, 393, 330-339.	6.1	20
98	Impact of molybdenum and tungsten test limiters on ion fluxes in the plasma edge of TEXTOR. Journal of Nuclear Materials, 1997, 249, 116-120.	2.7	19
99	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
100	Overview of Experiments with the Dynamic Ergodic Divertor on TEXTOR. Contributions To Plasma Physics, 2006, 46, 515-526.	1.1	19
101	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.	2.7	19
102	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
103	Modelling of confinement degradation in the radiative improved mode caused by a strong gas puff. Plasma Physics and Controlled Fusion, 2001, 43, 945-957.	2.1	18
104	Rotation dependence of a phase delay between plasma edge electron density and temperature fields due to a fast rotating, resonant magnetic perturbation field. Physics of Plasmas, 2010, 17, .	1.9	18
105	Impact of rotating resonant magnetic perturbation fields on plasma edge electron density and temperature. Nuclear Fusion, 2012, 52, 083002.	3.5	18
106	Deuterium retention in RAFM steels after high fluence plasma exposure. Nuclear Materials and Energy, 2017, 12, 648-654.	1.3	17
107	Neon radiation efficiency for different confinement regimes in TEXTOR-94. Nuclear Fusion, 2000, 40, 1845-1858.	3.5	16
108	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

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109	Dynamic outgassing of deuterium, helium and nitrogen from plasma-facing materials under DEMO relevant conditions. Nuclear Fusion, 2017, 57, 016020.	3.5	16
110	JET radiative mantle experiments in ELMy H-Mode. Plasma Physics and Controlled Fusion, 2000, 42, A81-A88.	2.1	15
111	Modelling of pedestal transport during ELM suppression by external magnetic field perturbations. Nuclear Fusion, 2008, 48, 024006.	3.5	15
112	High-Z Mo-limiter test in TEXTOR. Impurity fluxes, thermal response and post-mortem analysis of Mo-limiter head. Journal of Nuclear Materials, 1994, 212-215, 1370-1375.	2.7	14
113	Review and present status of the TEXTOR radiative improved (RI) mode. Journal of Plasma Physics, 1998, 59, 587-610.	2.1	14
114	Turbulence, flows and edge localized mode (ELM) dynamics in limiter H-mode plasmas in TEXTOR. Plasma Physics and Controlled Fusion, 2010, 52, 085001.	2.1	14
115	Charge exchange recombination spectroscopy on a diagnostic hydrogen beam measuring impurity rotation and radial electric field at the tokamak TEXTOR. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 144015.	1.5	14
116	A mechanism of bifurcation to strongly sheared toroidal rotation in the radiatively improved mode in TEXTOR-94. Nuclear Fusion, 1998, 38, 961-965.	3.5	13
117	Radiated power and ionic effective charge during neon injection experiments on TEXTOR. Nuclear Fusion, 1996, 36, 347-358.	3.5	12
118	High density, high performance high-confinement-mode plasmas in the Joint European Torus (JET). Physics of Plasmas, 2002, 9, 2103-2112.	1.9	12
119	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
120	Note: Arc discharge plasma source with plane segmented LaB6 cathode. Review of Scientific Instruments, 2016, 87, 056106.	1.3	12
121	Sequential and simultaneous thermal and particle exposure of tungsten. Physica Scripta, 2016, T167, 014053.	2.5	12
122	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.	2.7	11
123	Spectroscopic characterisation of the PSI-2 plasma in the ionising and recombining state. Journal of Nuclear Materials, 2013, 438, S1249-S1252.	2.7	11
124	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.	1.4	11
125	Morphology and composition of Fe-W coatings after deuterium plasma exposure as a model system for RAFM steels. Physica Scripta, 2016, T167, 014013.	2.5	11
126	Efficiency of laser-induced desorption of D from Be/D layers and surface modifications due to LID. Physica Scripta, 2020, T171, 014075.	2.5	11

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127	Recent results on ion cyclotron and combined heating of TEXTOR. Fusion Engineering and Design, 1995, 26, 103-120.	1.9	10
128	Influence of the Dynamic Ergodic Divertor on the heat deposition pattern in TEXTOR at different collisionalities. Plasma Physics and Controlled Fusion, 2007, 49, S109-S121.	2.1	10
129	Carbon transport in the stochastic magnetic boundary of TEXTOR. Journal of Nuclear Materials, 2009, 390-391, 227-231.	2.7	10
130	The influence of resonant magnetic perturbations on edge transport in limiter H-mode plasmas in TEXTOR. Journal of Nuclear Materials, 2009, 390-391, 351-354.	2.7	10
131	Diffusion model of the impact of helium and argon impurities on deuterium retention in tungsten. Nuclear Fusion, 2019, 59, 046004.	3.5	10
132	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
133	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
134	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
135	High Z limiter test in TEXTOR: thermal response and post-mortem analysis. Fusion Engineering and Design, 1995, 28, 13-21.	1.9	8
136	Application of advanced edge diagnostics for transport studies in the stochastic boundary of TEXTOR-DED. AIP Conference Proceedings, 2008, , .	0.4	8
137	Retention of neon in graphite after ion beam implantation or exposures to the scrape-off layer plasma in the TEXTOR tokamak. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 138-145.	2.1	7
138	Influence of the boundary conditions on the H-mode power threshold. Physics of Plasmas, 2006, 13, 032504.	1.9	7
139	Rotation dependent ion fluxes in front of resonant magnetic perturbation coils. Nuclear Fusion, 2013, 53, 012001.	3.5	7
140	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.	1.3	7
141	Thomson scattering of plasma turbulence on PSI-2. Nuclear Materials and Energy, 2017, 12, 1253-1258.	1.3	7
142	The DED at TEXTOR: Transport and Topological Properties of a Helical Divertor. Plasma and Fusion Research, 2008, 3, S1039-S1039.	0.7	7
143	Behaviour of boron- and titanium-doped graphite limiters under high heat loads in TEXTOR. Journal of Nuclear Materials, 1994, 212-215, 1189-1194.	2.7	6
144	Behaviour of boron-carbide materials in TEXTOR and under electron beam irradiation. Journal of Nuclear Materials, 1994, 212-215, 1239-1244.	2.7	6

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145	Pellet fuelling into radiative improved confinement discharges in TEXTOR-94. Nuclear Fusion, 2000, 40, 1469-1475.	3.5	6
146	Velocity distribution of helium and neon atoms released from graphite and tungsten limiters in TEXTOR. Journal of Nuclear Materials, 2006, 348, 283-293.	2.7	6
147	On the difference of H-mode power threshold in divertor and limiter tokamaks. Plasma Physics and Controlled Fusion, 2006, 48, A309-A317.	2.1	6
148	Synergistic effects of particle and transient heat loads on ITER-grade tungsten. Physica Scripta, 2020, T171, 014007.	2.5	6
149	Synergistic and separate effects of plasma and transient heat loads on the microstructure and physical properties of ITER-grade tungsten. Physica Scripta, 2021, 96, 124052.	2.5	6
150	New diagnostics for physics studies on TEXTOR-94 (invited). Review of Scientific Instruments, 2001, 72, 1046-1053.	1.3	5
151	Evidence for reduction of the toroidal ITG instability in the transition from saturated to improved Ohmic confinement in the tokamak TEXTOR. Plasma Physics and Controlled Fusion, 2003, 45, 199-207.	2.1	5
152	Confinement and transport in EC heated RI-mode discharges in TEXTOR. Nuclear Fusion, 2004, 44, 533-541.	3.5	5
153	Interaction of plasma rotation and resonant magnetic perturbation fields in tokamaks. Nuclear Fusion, 2008, 48, 024008.	3.5	5
154	Formation of a three-dimensional scrape-off layer in a fast rotating resonant magnetic perturbation field at TEXTOR. Journal of Nuclear Materials, 2011, 415, S923-S926.	2.7	5
155	Conceptual study of ferromagnetic pebbles for heat exhaust in fusion reactors with short power decay length. Nuclear Materials and Energy, 2015, 2, 12-19.	1.3	5
156	Influence of the base temperature on the performance of tungsten under thermal and particle exposure. Nuclear Materials and Energy, 2017, 12, 1348-1351.	1.3	5
157	Edge-Core Interplay in Transition to radiative improved Mode. Contributions To Plasma Physics, 1998, 38, 67-72.	1.1	4
158	Particle emission from a tungsten test limiter in TEXTOR-94: a comparison between experimental and Monte Carlo simulated results. Journal of Nuclear Materials, 1999, 266-269, 629-634.	2.7	4
159	Preliminary study of the influence of DED on carbon radiation and transport in the TEXTOR tokamak. Journal of Nuclear Materials, 2005, 337-339, 361-365.	2.7	4
160	Spectroscopic Studies of Atomic and Molecular Processes in the Edge Region of Magnetically Confined Fusion Plasmas. AIP Conference Proceedings, 2006, , .	0.4	4
161	Experimental and theoretical analyses of penetration processes of externally applied rotating helical magnetic perturbation fields in TEXTOR and HYBTOK-II. Plasma Physics and Controlled Fusion, 2007, 49, A135-A143.	2.1	4
162	Impact of hydrogen fuelling on confinement properties in radiative improved mode. Plasma Physics and Controlled Fusion, 2003, 45, 1501-1510.	2.1	3

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163	Overview of Plasma Edge Physics. Fusion Science and Technology, 2006, 49, 215-233.	1.1	3
164	In-situ measurements of carbon and deuterium deposition using the fast reciprocating probe in TEXTOR. Journal of Nuclear Materials, 2009, 390-391, 179-182.	2.7	3
165	Studies of the helicon plasma source with inhomogeneous magnetic field. AIP Conference Proceedings, 2016, , .	0.4	3
166	Studies of plasma production in a linear device with plane LaB6 cathode and hollow anode. AIP Conference Proceedings, 2016, , .	0.4	3
167	Overview of Plasma Edge Physics. Fusion Science and Technology, 2004, 45, 229-236.	1.1	2
168	The Optimization of the Ergodic Structure of the Dynamic Ergodic Divertor In The TEXTOR Tokamak. AIP Conference Proceedings, 2006, , .	0.4	2
169	The effect of the magnetic topology on particle recycling in the ergodic divertor of TEXTOR. Journal of Nuclear Materials, 2007, 363-365, 377-381.	2.7	2
170	Study of TEXTOR ICRF Antenna Coupling in the ICWC Mode of Operation. AIP Conference Proceedings, 2009, , .	0.4	2
171	ICRF Wall Conditioning: Present Status and Developments for Future Superconducting Fusion Machines. , 2009, , .		2
172	Overview of Tokamak Results. Fusion Science and Technology, 2004, 45, 445-452.	1.1	1
173	Overview of Tokamak Results. Fusion Science and Technology, 2006, 49, 415-424.	1.1	1
174	RITM-Code Modelling of Plasmas with Edge Transport Barrier. Contributions To Plasma Physics, 2006, 46, 685-691.	1.1	1
175	Suppression of the intermittent blob-type transport by the resonant magnetic perturbation (RMP) in the TEXTOR tokamak. Journal of Nuclear Materials, 2009, 390-391, 372-375.	2.7	1
176	Transport Processes in the Plasma Edge. Fusion Science and Technology, 2012, 61, 199-212.	1.1	1
177	Antenna coupling study for ICWC plasma characterization in TEXTOR. Pramana - Journal of Physics, 2013, 80, 121-131.	1.8	1
178	ICRF physics aspects of wall conditioning plasma characterization in TEXTOR. Fusion Engineering and Design, 2013, 88, 51-56.	1.9	1
179	Overview of Tokamak Results. Fusion Science and Technology, 2010, 57, 447-456.	1.1	0
180	Stochasticity in fusion plasmas. Nuclear Fusion, 2010, 50, 030201.	3.5	0

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181	Electron density and temperature measurements in TEXTOR ion cyclotron wall conditioning plasmas by thermal Li beam spectroscopy. <i>Journal of Nuclear Materials</i> , 2011, 415, S1166-S1169.	2.7	0
182	Melt-layer formation on PFMs and the consequences for the material performance. <i>Nuclear Materials and Energy</i> , 2016, 9, 153-156.	1.3	0