

Bernhard Unterberg

List of Publications by Year in descending order

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182
papers

5,870
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57758

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2542
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#	ARTICLE	IF	CITATIONS
1	Synergistic and separate effects of plasma and transient heat loads on the microstructure and physical properties of ITER-grade tungsten. <i>Physica Scripta</i> , 2021, 96, 124052.	2.5	6
2	Synergistic effects of particle and transient heat loads on ITER-grade tungsten. <i>Physica Scripta</i> , 2020, T171, 014007.	2.5	6
3	Efficiency of laser-induced desorption of D from Be/D layers and surface modifications due to LID. <i>Physica Scripta</i> , 2020, T171, 014075.	2.5	11
4	Fuel Retention Diagnostic Setup (FREDIS) for desorption of gases from beryllium and tritium containing samples. <i>Fusion Engineering and Design</i> , 2019, 146, 1176-1180.	1.9	9
5	Diffusion model of the impact of helium and argon impurities on deuterium retention in tungsten. <i>Nuclear Fusion</i> , 2019, 59, 046004.	3.5	10
6	Thomson scattering of plasma turbulence on PSI-2. <i>Nuclear Materials and Energy</i> , 2017, 12, 1253-1258.	1.3	7
7	Smart alloys for a future fusion power plant: First studies under stationary plasma load and in accidental conditions. <i>Nuclear Materials and Energy</i> , 2017, 12, 1363-1367.	1.3	20
8	Smart tungsten alloys as a material for the first wall of a future fusion power plant. <i>Nuclear Fusion</i> , 2017, 57, 066020.	3.5	40
9	Influence of the base temperature on the performance of tungsten under thermal and particle exposure. <i>Nuclear Materials and Energy</i> , 2017, 12, 1348-1351.	1.3	5
10	Plasma-wall interaction of advanced materials. <i>Nuclear Materials and Energy</i> , 2017, 12, 307-312.	1.3	20
11	Dynamic outgassing of deuterium, helium and nitrogen from plasma-facing materials under DEMO relevant conditions. <i>Nuclear Fusion</i> , 2017, 57, 016020.	3.5	16
12	Deuterium retention in RAFM steels after high fluence plasma exposure. <i>Nuclear Materials and Energy</i> , 2017, 12, 648-654.	1.3	17
13	Material testing facilities and programs for plasma-facing component testing. <i>Nuclear Fusion</i> , 2017, 57, 092012.	3.5	68
14	Sub-surface microstructure of single and polycrystalline tungsten after high flux plasma exposure studied by TEM. <i>Applied Surface Science</i> , 2017, 393, 330-339.	6.1	20
15	Plasma-wall interaction studies within the EUROfusion consortium: progress on plasma-facing components development and qualification. <i>Nuclear Fusion</i> , 2017, 57, 116041.	3.5	75
16	Studies of the helicon plasma source with inhomogeneous magnetic field. <i>AIP Conference Proceedings</i> , 2016, . .	0.4	3
17	Materials for DEMO and reactor applications—boundary conditions and new concepts. <i>Physica Scripta</i> , 2016, T167, 014002.	2.5	85
18	Deuterium retention in tungsten under combined high cycle ELM-like heat loads and steady-state plasma exposure. <i>Nuclear Materials and Energy</i> , 2016, 9, 157-164.	1.3	7

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19	Influence of helium induced nanostructures on the thermal shock performance of tungsten. Nuclear Materials and Energy, 2016, 9, 177-180.	1.3	27
20	Melt-layer formation on PFMs and the consequences for the material performance. Nuclear Materials and Energy, 2016, 9, 153-156.	1.3	0
21	Studies of plasma production in a linear device with plane LaB6 cathode and hollow anode. AIP Conference Proceedings, 2016, , .	0.4	3
22	Note: Arc discharge plasma source with plane segmented LaB6 cathode. Review of Scientific Instruments, 2016, 87, 056106.	1.3	12
23	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
24	Sequential and simultaneous thermal and particle exposure of tungsten. Physica Scripta, 2016, T167, 014053.	2.5	12
25	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
26	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
27	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
28	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	3.5	50
29	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
30	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
31	Theoretical investigation of crack formation in tungsten after heat loads. Journal of Nuclear Materials, 2015, 463, 246-249.	2.7	28
32	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
33	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
34	Investigation of the impact of transient heat loads applied by laser irradiation on ITER-grade tungsten. Physica Scripta, 2014, T159, 014005.	2.5	65
35	Liquid metals as alternative solution for the power exhaust of future fusion devices: status and perspective. Physica Scripta, 2014, T159, 014037.	2.5	82
36	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

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37	Rotation dependent ion fluxes in front of resonant magnetic perturbation coils. Nuclear Fusion, 2013, 53, 012001.	3.5	7
38	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	3.5	70
39	Spectroscopic characterisation of the PSI-2 plasma in the ionising and recombining state. Journal of Nuclear Materials, 2013, 438, S1249-S1252.	2.7	11
40	Antenna coupling study for ICWC plasma characterization in TEXTOR. Pramana - Journal of Physics, 2013, 80, 121-131.	1.8	1
41	ICRF physics aspects of wall conditioning plasma characterization in TEXTOR. Fusion Engineering and Design, 2013, 88, 51-56.	1.9	1
42	Resonant features of energy and particle transport during application of resonant magnetic perturbation fields at TEXTOR and DIII-D. Nuclear Fusion, 2012, 52, 043005.	3.5	27
43	Impact of rotating resonant magnetic perturbation fields on plasma edge electron density and temperature. Nuclear Fusion, 2012, 52, 083002.	3.5	18
44	Transport Processes in the Plasma Edge. Fusion Science and Technology, 2012, 61, 199-212.	1.1	1
45	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
46	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
47	Recent results on Ion Cyclotron Wall Conditioning in mid and large size tokamaks. Journal of Nuclear Materials, 2011, 415, S1021-S1028.	2.7	41
48	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.	2.7	0
49	Rotation and radial electric field in the plasma edge with resonant magnetic perturbation at TEXTOR. Nuclear Fusion, 2011, 51, 063030.	3.5	30
50	Overview of Tokamak Results. Fusion Science and Technology, 2010, 57, 447-456.	1.1	0
51	Stochasticity in fusion plasmas. Nuclear Fusion, 2010, 50, 030201.	3.5	0
52	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
53	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
54	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

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55	Long-distance correlation and zonal flow structures induced by mean $E \times B$ shear flows in the biasing H-mode at TEXTOR. <i>Physics of Plasmas</i> , 2009, 16, 110704.	1.9	29
56	Overview of JET results. <i>Nuclear Fusion</i> , 2009, 49, 104006.	3.5	46
57	Overview of the results on divertor heat loads in RMP controlled H-mode plasmas on DIII-D. <i>Nuclear Fusion</i> , 2009, 49, 095013.	3.5	136
58	Study of TEXTOR ICRF Antenna Coupling in the ICWC Mode of Operation. <i>AIP Conference Proceedings</i> , 2009, , .	0.4	2
59	Reduction of the turbulent blob transport in the scrape-off layer by a resonant magnetic perturbation in TEXTOR. <i>Nuclear Fusion</i> , 2009, 49, 035005.	3.5	20
60	In-vessel saddle coils for MHD control in ASDEX Upgrade. <i>Fusion Engineering and Design</i> , 2009, 84, 290-294.	1.9	72
61	Carbon transport in the stochastic magnetic boundary of TEXTOR. <i>Journal of Nuclear Materials</i> , 2009, 390-391, 227-231.	2.7	10
62	Suppression of the intermittent blob-type transport by the resonant magnetic perturbation (RMP) in the TEXTOR tokamak. <i>Journal of Nuclear Materials</i> , 2009, 390-391, 372-375.	2.7	1
63	Particle confinement control with resonant magnetic perturbations at TEXTOR. <i>Journal of Nuclear Materials</i> , 2009, 390-391, 330-334.	2.7	46
64	In-situ measurements of carbon and deuterium deposition using the fast reciprocating probe in TEXTOR. <i>Journal of Nuclear Materials</i> , 2009, 390-391, 179-182.	2.7	3
65	The influence of resonant magnetic perturbations on edge transport in limiter H-mode plasmas in TEXTOR. <i>Journal of Nuclear Materials</i> , 2009, 390-391, 351-354.	2.7	10
66	ICRF Wall Conditioning: Present Status and Developments for Future Superconducting Fusion Machines. , 2009, , .		2
67	Resonant Pedestal Pressure Reduction Induced by a Thermal Transport Enhancement due to Stochastic Magnetic Boundary Layers in High Temperature Plasmas. <i>Physical Review Letters</i> , 2009, 103, 165005.	7.8	58
68	RMP ELM suppression in DIII-D plasmas with ITER similar shapes and collisionalities. <i>Nuclear Fusion</i> , 2008, 48, 024002.	3.5	348
69	The interaction between plasma rotation, stochastic fields and tearing mode excitation by external perturbation fields. <i>Nuclear Fusion</i> , 2008, 48, 015007.	3.5	40
70	Particle transfer in edge transport barrier with stochastic magnetic field. <i>Physics of Plasmas</i> , 2008, 15, 072515.	1.9	37
71	Aspects of three dimensional transport for ELM control experiments in ITER-similar shape plasmas at low collisionality in DIII-D. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 124029.	2.1	89
72	Status of electron temperature and density measurement with beam emission spectroscopy on thermal helium at TEXTOR. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 115004.	2.1	79

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73	Application of advanced edge diagnostics for transport studies in the stochastic boundary of TEXTOR-DED. AIP Conference Proceedings, 2008, , .	0.4	8
74	Interaction of plasma rotation and resonant magnetic perturbation fields in tokamaks. Nuclear Fusion, 2008, 48, 024008.	3.5	5
75	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
76	Modelling of pedestal transport during ELM suppression by external magnetic field perturbations. Nuclear Fusion, 2008, 48, 024006.	3.5	15
77	On description of magnetic stochasticity in poloidal divertor tokamaks. Physics of Plasmas, 2008, 15, .	1.9	28
78	The DED at TEXTOR: Transport and Topological Properties of a Helical Divertor. Plasma and Fusion Research, 2008, 3, S1039-S1039.	0.7	7
79	Edge turbulence during the static dynamic ergodic divertor experiments in TEXTOR. Nuclear Fusion, 2007, 47, 1696-1709.	3.5	46
80	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
81	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
82	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
83	Influence of the dynamic ergodic divertor on transport properties in TEXTOR. Nuclear Fusion, 2007, 47, 522-534.	3.5	37
84	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
85	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
86	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
87	The Optimization of the Ergodic Structure of the Dynamic Ergodic Divertor In The TEXTOR Tokamak. AIP Conference Proceedings, 2006, , .	0.4	2
88	Overview of Tokamak Results. Fusion Science and Technology, 2006, 49, 415-424.	1.1	1
89	Overview of Plasma Edge Physics. Fusion Science and Technology, 2006, 49, 215-233.	1.1	3
90	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

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91	Overview of Experiments with the Dynamic Ergodic Divertor on TEXTOR. Contributions To Plasma Physics, 2006, 46, 515-526.	1.1	19
92	RITM-Code Modelling of Plasmas with Edge Transport Barrier. Contributions To Plasma Physics, 2006, 46, 685-691.	1.1	1
93	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
94	Spectroscopic Studies of Atomic and Molecular Processes in the Edge Region of Magnetically Confined Fusion Plasmas. AIP Conference Proceedings, 2006, , .	0.4	4
95	Influence of the Static Dynamic Ergodic Divertor on Edge Turbulence Properties in TEXTOR. Physical Review Letters, 2006, 97, 165003.	7.8	66
96	Influence of the boundary conditions on the H-mode power threshold. Physics of Plasmas, 2006, 13, 032504.	1.9	7
97	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
98	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
99	First results from the dynamic ergodic divertor at TEXTOR. Journal of Nuclear Materials, 2005, 337-339, 171-175.	2.7	25
100	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
101	Impurity-seeded ELMy H-modes in JET, with high density and reduced heat load. Nuclear Fusion, 2005, 45, 1404-1410.	3.5	40
102	Predictive modelling of L and H confinement modes and edge pedestal characteristics. Nuclear Fusion, 2005, 45, 468-476.	3.5	24
103	Toroidal Plasma Rotation Induced by the Dynamic Ergodic Divertor in the TEXTOR Tokamak. Physical Review Letters, 2005, 94, 015003.	7.8	73
104	Transport and divertor properties of the dynamic ergodic divertor. Plasma Physics and Controlled Fusion, 2005, 47, B237-B248.	2.1	32
105	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
106	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
107	Status of and prospects for advanced tokamak regimes from multi-machine comparisons using the ÅInternational Tokamak Physics ActivityÅ database. Plasma Physics and Controlled Fusion, 2004, 46, A19-A34.	2.1	31
108	Predictive modelling of the impact of argon injection on H-mode plasmas in JET with the RITM code. Plasma Physics and Controlled Fusion, 2004, 46, A241-A247.	2.1	12

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109	Nature of the Isotope Effect on Transport in Tokamaks. <i>Physical Review Letters</i> , 2004, 92, 215001.	7.8	24
110	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
111	Reduction of divertor heat load in JET ELMy H-modes using impurity seeding techniques. <i>Nuclear Fusion</i> , 2004, 44, 312-319.	3.5	91
112	The dynamic ergodic divertor in the TEXTOR tokamak: plasma response to dynamic helical magnetic field perturbations. <i>Plasma Physics and Controlled Fusion</i> , 2004, 46, B143-B155.	2.1	34
113	Towards the realization on JET of an integrated H-mode scenario for ITER. <i>Nuclear Fusion</i> , 2004, 44, 124-133.	3.5	45
114	A review of internal transport barrier physics for steady-state operation of tokamaks. <i>Nuclear Fusion</i> , 2004, 44, R1-R49.	3.5	314
115	Confinement and transport in EC heated RI-mode discharges in TEXTOR. <i>Nuclear Fusion</i> , 2004, 44, 533-541.	3.5	5
116	Overview of Tokamak Results. <i>Fusion Science and Technology</i> , 2004, 45, 445-452.	1.1	1
117	Overview of Plasma Edge Physics. <i>Fusion Science and Technology</i> , 2004, 45, 229-236.	1.1	2
118	Electron cyclotron resonance heating on TEXTOR. <i>Nuclear Fusion</i> , 2003, 43, 1371-1383.	3.5	35
119	Role of sawtooth in avoiding impurity accumulation and maintaining good confinement in JET radiative mantle discharges. <i>Nuclear Fusion</i> , 2003, 43, 1204-1213.	3.5	93
120	Overview of JET results. <i>Nuclear Fusion</i> , 2003, 43, 1540-1554.	3.5	38
121	Impact of hydrogen fuelling on confinement properties in radiative improved mode. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, 1501-1510.	2.1	3
122	Impurity-seeded plasma experiments on JET. <i>Nuclear Fusion</i> , 2003, 43, 49-62.	3.5	48
123	Evidence for reduction of the toroidal ITG instability in the transition from saturated to improved Ohmic confinement in the tokamak TEXTOR. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, 199-207.	2.1	5
124	Plasma edge transport phenomena caused by particle drifts and sources in TEXTOR. <i>Nuclear Fusion</i> , 2003, 43, 168-178.	3.5	21
125	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
126	High density, high performance high-confinement-mode plasmas in the Joint European Torus (JET). <i>Physics of Plasmas</i> , 2002, 9, 2103-2112.	1.9	12

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127	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
128	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
129	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
130	Effects of impurity seeding in DIII-D radiating mantle discharges. Nuclear Fusion, 2002, 42, 28-41.	3.5	31
131	Comparison of L-mode regimes with enhanced confinement by impurity seeding in JET and DIII-D. Plasma Physics and Controlled Fusion, 2002, 44, 1893-1902.	2.1	22
132	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
133	Predictive modelling of impurity seeded plasmas in JET. Plasma Physics and Controlled Fusion, 2002, 44, 1903-1910.	2.1	20
134	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.	1.5	23
135	New diagnostics for physics studies on TEXTOR-94 (invited). Review of Scientific Instruments, 2001, 72, 1046-1053.	1.3	5
136	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
137	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
138	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
139	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
140	Neon radiation efficiency for different confinement regimes in TEXTOR-94. Nuclear Fusion, 2000, 40, 1845-1858.	3.5	16
141	JET radiative mantle experiments in ELMy H-Mode. Plasma Physics and Controlled Fusion, 2000, 42, A81-A88.	2.1	15
142	Pellet fuelling into radiative improved confinement discharges in TEXTOR-94. Nuclear Fusion, 2000, 40, 1469-1475.	3.5	6
143	Impurity-induced turbulence suppression and reduced transport in the DIII-D tokamak. Physics of Plasmas, 2000, 7, 1870-1877.	1.9	60
144	Model for the Transition to the Radiatively Improved Mode in a Tokamak. Physical Review Letters, 2000, 84, 895-898.	7.8	89

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145	Quasistationary High Confinement Discharges with trans-Greenwald Density on TEXTOR-94. <i>Physical Review Letters</i> , 2000, 85, 2312-2315.	7.8	21
146	Confinement mechanisms in the radiatively improved mode. <i>Plasma Physics and Controlled Fusion</i> , 1999, 41, B317-B327.	2.1	25
147	Overview of radiative improved mode results on TEXTOR-94. <i>Nuclear Fusion</i> , 1999, 39, 1637-1648.	3.5	69
148	Evidence of suppression of ITG-instability in the radiatively improved mode in TEXTOR-94. <i>Plasma Physics and Controlled Fusion</i> , 1999, 41, L9-L15.	2.1	37
149	Overview of experiments with radiation cooling at high confinement and high density in limited and diverted discharges. <i>Plasma Physics and Controlled Fusion</i> , 1999, 41, A379-A399.	2.1	51
150	MARFE feedback experiments on TEXTOR-94. <i>Journal of Nuclear Materials</i> , 1999, 266-269, 666-672.	2.7	28
151	Enhanced confinement discharges in DIII-D with neon and argon induced radiation. <i>Journal of Nuclear Materials</i> , 1999, 266-269, 380-385.	2.7	37
152	Plasma wall interaction and plasma edge properties with radiation cooling and improved confinement in TEXTOR-94. <i>Journal of Nuclear Materials</i> , 1999, 266-269, 75-83.	2.7	18
153	Particle emission from a tungsten test limiter in TEXTOR-94: a comparison between experimental and Monte Carlo simulated results. <i>Journal of Nuclear Materials</i> , 1999, 266-269, 629-634.	2.7	4
154	Simulation and experimental studies of impurity release from tungsten exposed to edge plasmas in TEXTOR-94. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 153, 354-360.	1.4	9
155	Edge-Core Interplay in Transition to radiative improved Mode. <i>Contributions To Plasma Physics</i> , 1998, 38, 67-72.	1.1	4
156	A mechanism of bifurcation to strongly sheared toroidal rotation in the radiatively improved mode in TEXTOR-94. <i>Nuclear Fusion</i> , 1998, 38, 961-965.	3.5	13
157	Review and present status of the TEXTOR radiative improved (RI) mode. <i>Journal of Plasma Physics</i> , 1998, 59, 587-610.	2.1	14
158	Transport studies of high-Z elements in neon edge radiation cooled discharges in TEXTOR-94. <i>Plasma Physics and Controlled Fusion</i> , 1997, 39, 1615-1634.	2.1	51
159	Nature of high-Z impurity accumulation in tokamaks. <i>Nuclear Fusion</i> , 1997, 37, 1691-1708.	3.5	41
160	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
161	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). <i>Physics of Plasmas</i> , 1997, 4, 1690-1698.	1.9	54
162	Impact of molybdenum and tungsten test limiters on ion fluxes in the plasma edge of TEXTOR. <i>Journal of Nuclear Materials</i> , 1997, 249, 116-120.	2.7	19

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163	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
164	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
165	Transport and improved confinement in high power edge radiation cooling experiments on TEXTOR. Nuclear Fusion, 1996, 36, 39-53.	3.5	33
166	Confinement transitions with radiation cooling in TEXTOR-94. Plasma Physics and Controlled Fusion, 1996, 38, 279-288.	2.1	20
167	Radiated power and ionic effective charge during neon injection experiments on TEXTOR. Nuclear Fusion, 1996, 36, 347-358.	3.5	12
168	Recent results on ion cyclotron and combined heating of TEXTOR. Fusion Engineering and Design, 1995, 26, 103-120.	1.9	10
169	High Z limiter test in TEXTOR: thermal response and post-mortem analysis. Fusion Engineering and Design, 1995, 28, 13-21.	1.9	8
170	Results and modelling of high power edge radiation cooling in Textor. Physica Scripta, 1995, 52, 449-457.	2.5	23
171	The influence of impurities on limiter tokamak plasmas and relevant mechanisms. Plasma Physics and Controlled Fusion, 1995, 37, A241-A253.	2.1	27
172	Improved confinement with edge radiative cooling at high densities and high heating power in TEXTOR. Nuclear Fusion, 1994, 34, 825-836.	3.5	66
173	Molybdenum test limiter experiments in TEXTOR. Nuclear Fusion, 1994, 34, 1417-1429.	3.5	69
174	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
175	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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