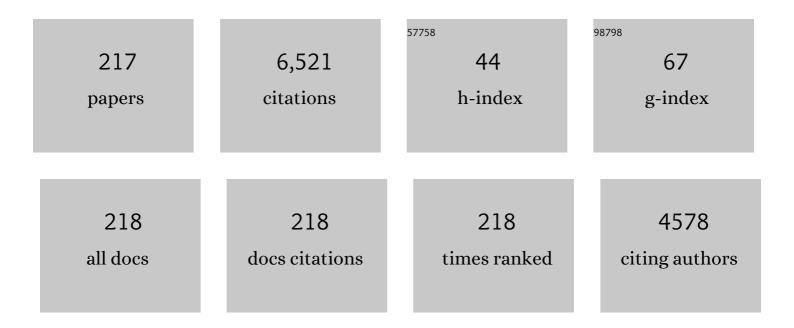
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Research status and issues of tungsten plasma facing materials for ITER and beyond. Fusion Engineering and Design, 2014, 89, 901-906.	1.9	246
2	Fuel retention studies with the ITER-Like Wall in JET. Nuclear Fusion, 2013, 53, 083023.	3.5	193
3	Overview of first Wendelstein 7-X high-performance operation. Nuclear Fusion, 2019, 59, 112004.	3.5	165
4	Overview on plasma operation with a full tungsten wall in ASDEX Upgrade. Journal of Nuclear Materials, 2013, 438, S34-S41.	2.7	156
5	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	3.5	150
6	Baseline high heat flux and plasma facing materials for fusion. Nuclear Fusion, 2017, 57, 092006.	3.5	141
7	Physics conclusions in support of ITER W divertor monoblock shaping. Nuclear Materials and Energy, 2017, 12, 60-74.	1.3	128
8	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
9	Tungsten divertor erosion in all metal devices: Lessons from the ITER like wall of JET. Journal of Nuclear Materials, 2013, 438, S42-S47.	2.7	116
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	Overview of the JET preparation for deuterium–tritium operation with the ITER like-wall. Nuclear Fusion, 2019, 59, 112021.	3.5	87
12	Materials for DEMO and reactor applications—boundary conditions and new concepts. Physica Scripta, 2016, T167, 014002.	2.5	85
13	Beryllium migration in JET ITER-like wall plasmas. Nuclear Fusion, 2015, 55, 063021.	3.5	83
14	ELM-induced transient tungsten melting in the JET divertor. Nuclear Fusion, 2015, 55, 023010.	3.5	83
15	Liquid metals as alternative solution for the power exhaust of future fusion devices: status and perspective. Physica Scripta, 2014, T159, 014037.	2.5	82
16	Observations on the W-transport in the core plasma of JET and ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2013, 55, 124036.	2.1	81
17	Development of tungsten fibre-reinforced tungsten composites towards their use in DEMO—potassium doped tungsten wire. Physica Scripta, 2016, T167, 014006.	2.5	77
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

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19	First nitrogen-seeding experiments in JET with the ITER-like Wall. Journal of Nuclear Materials, 2013, 438, S258-S261.	2.7	76
20	Residual carbon content in the initial ITER-Like Wall experiments at JET. Journal of Nuclear Materials, 2013, 438, S303-S308.	2.7	75
21	Plasma–wall interaction studies within the EUROfusion consortium: progress on plasma-facing components development and qualification. Nuclear Fusion, 2017, 57, 116041.	3.5	75
22	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	16.7	73
23	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	3.5	70
24	Advanced tungsten materials for plasma-facing components of DEMO and fusion power plants. Fusion Engineering and Design, 2016, 109-111, 1046-1052.	1.9	70
25	Material testing facilities and programs for plasma-facing component testing. Nuclear Fusion, 2017, 57, 092012.	3.5	68
26	Influence of the interface strength on the mechanical properties of discontinuous tungsten fiber-reinforced tungsten composites produced by field assisted sintering technology. Composites Part A: Applied Science and Manufacturing, 2018, 107, 342-353.	7.6	68
27	Investigation of the impact of transient heat loads applied by laser irradiation on ITER-grade tungsten. Physica Scripta, 2014, T159, 014005.	2.5	65
28	Erosion, screening, and migration of tungsten in the JET divertor. Nuclear Fusion, 2019, 59, 096035.	3.5	60
29	First scenario development with the JET new ITER-like wall. Nuclear Fusion, 2014, 54, 013011.	3.5	59
30	Melt damage to the JET ITER-like Wall and divertor. Physica Scripta, 2016, T167, 014070.	2.5	58
31	Divertor tungsten tile melting and its effect on core plasma performance. Nuclear Fusion, 2012, 52, 123002.	3.5	57
32	Analysis of tungsten melt-layer motion and splashing under tokamak conditions at TEXTOR. Nuclear Fusion, 2011, 51, 083008.	3.5	56
33	First operation with the JET International Thermonuclear Experimental Reactor-like wall. Physics of Plasmas, 2013, 20, .	1.9	56
34	Chemically deposited tungsten fibre-reinforced tungsten – The way to a mock-up for divertor applications. Nuclear Materials and Energy, 2016, 9, 75-83.	1.3	55
35	Tungsten melt layer motion and splashing on castellated tungsten surfaces at the tokamak TEXTOR. Journal of Nuclear Materials, 2011, 415, S78-S82.	2.7	53
36	ELM induced tungsten melting and its impact on tokamak operation. Journal of Nuclear Materials, 2015, 463, 78-84.	2.7	53

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37	Microstructure, mechanical behaviour and fracture of pure tungsten wire after different heat treatments. International Journal of Refractory Metals and Hard Materials, 2017, 68, 29-40.	3.8	53
38	Overview of ASDEX Upgrade results. Nuclear Fusion, 2017, 57, 102015.	3.5	53
39	The influence of annealing on yttrium oxide thin film deposited by reactive magnetron sputtering: Process and microstructure. Nuclear Materials and Energy, 2017, 10, 1-8.	1.3	52
40	Overview of JET results for optimising ITER operation. Nuclear Fusion, 2022, 62, 042026.	3.5	52
41	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	3.5	50
42	Particle confinement control with resonant magnetic perturbations at TEXTOR. Journal of Nuclear Materials, 2009, 390-391, 330-334.	2.7	46
43	Tensile deformation behavior of tungsten fibre-reinforced tungsten composite specimens in as-fabricated state. Fusion Engineering and Design, 2017, 124, 396-400.	1.9	46
44	Ion target impact energy during Type I edge localized modes in JET ITER-like Wall. Plasma Physics and Controlled Fusion, 2015, 57, 085006.	2.1	44
45	Atmospheric plasma spraying of functionally graded steel/tungsten layers for the first wall of future fusion reactors. Surface and Coatings Technology, 2019, 366, 170-178.	4.8	44
46	Ultra-fast sintered functionally graded Fe/W composites for the first wall of future fusion reactors. Composites Part B: Engineering, 2019, 164, 205-214.	12.0	41
47	Smart tungsten alloys as a material for the first wall of a future fusion power plant. Nuclear Fusion, 2017, 57, 066020.	3.5	40
48	Advanced materials for a damage resilient divertor concept for DEMO: Powder-metallurgical tungsten-fibre reinforced tungsten. Fusion Engineering and Design, 2017, 124, 964-968.	1.9	40
49	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
50	Mitigation of type-I ELMs with <i>n</i> = 2 fields on JET with ITER-like wall. Nuclear Fusion, 2013, 53, 073036.	3.5	39
51	Overview of JET results. Nuclear Fusion, 2003, 43, 1540-1554.	3.5	38
52	Exposure of tungsten nano-structure to TEXTOR edge plasma. Journal of Nuclear Materials, 2011, 415, S92-S95.	2.7	38
53	Experiments on transient melting of tungsten by ELMs in ASDEX Upgrade. Nuclear Fusion, 2018, 58, 026024.	3.5	38
54	Overview of physics studies on ASDEX Upgrade. Nuclear Fusion, 2019, 59, 112014.	3.5	38

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55	Influence of the dynamic ergodic divertor on transport properties in TEXTOR. Nuclear Fusion, 2007, 47, 522-534.	3.5	37
56	Contrasting H-mode behaviour with deuterium fuelling and nitrogen seeding in the all-carbon and metallic versions of JET. Nuclear Fusion, 2014, 54, 073016.	3.5	37
57	Characterising dust in JET with the new ITER-like wall. Plasma Physics and Controlled Fusion, 2015, 57, 014037.	2.1	37
58	Overview of ASDEX Upgrade results. Nuclear Fusion, 2013, 53, 104003.	3.5	36
59	Properties of drawn W wire used as high performance fibre in tungsten fibre-reinforced tungsten composite. IOP Conference Series: Materials Science and Engineering, 2016, 139, 012043.	0.6	36
60	Improved pseudo-ductile behavior of powder metallurgical tungsten short fiber-reinforced tungsten (W/W). Nuclear Materials and Energy, 2018, 15, 214-219.	1.3	36
61	Enhanced performance in fusion plasmas through turbulence suppression by megaelectronvolt ions. Nature Physics, 2022, 18, 776-782.	16.7	36
62	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
63	ICRF specific plasma wall interactions in JET with the ITER-like wall. Journal of Nuclear Materials, 2013, 438, S160-S165.	2.7	35
64	Neutron spectroscopy measurements of 14 MeV neutrons at unprecedented energy resolution and implications for deuterium–tritium fusion plasma diagnostics. Measurement Science and Technology, 2018, 29, 045502.	2.6	35
65	New oxidation-resistant tungsten alloys for use in the nuclear fusion reactors. Physica Scripta, 2017, T170, 014012.	2.5	34
66	First divertor physics studies in Wendelstein 7-X. Nuclear Fusion, 2019, 59, 096014.	3.5	34
67	Size effects on the tensile properties and deformation mechanism of commercial pure titanium foils. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 730, 244-261.	5.6	33
68	Mechanical properties of as-fabricated and 2300 °C annealed tungsten wire tested up to 600 °C. International Journal of Refractory Metals and Hard Materials, 2017, 66, 127-134.	3.8	32
69	Evolution of surface melt damage, its influence on plasma performance and prospects of recovery. Journal of Nuclear Materials, 2013, 438, S27-S33.	2.7	31
70	Experimental estimation of tungsten impurity sputtering due to Type I ELMs in JET-ITER-like wall using pedestal electron cyclotron emission and target Langmuir probe measurements. Physica Scripta, 2016, T167, 014005.	2.5	31
71	Quantification of tungsten sputtering at W/C twin limiters in TEXTOR with the aid of local WF6injection. Physica Scripta, 2011, T145, 014016.	2.5	30
72	Rotation and radial electric field in the plasma edge with resonant magnetic perturbation at TEXTOR. Nuclear Fusion, 2011, 51, 063030.	3.5	30

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73	Beryllium migration and evolution of first wall surface composition in the JET ILW configuration. Journal of Nuclear Materials, 2013, 438, S262-S266.	2.7	30
74	Tungsten fibre-reinforced composites for advanced plasma facing components. Nuclear Materials and Energy, 2017, 12, 1308-1313.	1.3	30
75	Theoretical investigation of crack formation in tungsten after heat loads. Journal of Nuclear Materials, 2015, 463, 246-249.	2.7	28
76	Oxidation resistance of bulk plasma-facing tungsten alloys. Nuclear Materials and Energy, 2018, 15, 226-231.	1.3	28
77	Aiming at understanding thermo-mechanical loads in the first wall of DEMO: Stress–strain evolution in a Eurofer-tungsten test component featuring a functionally graded interlayer. Fusion Engineering and Design, 2018, 135, 141-153.	1.9	28
78	Overview of challenges and developments in joining tungsten and steel for future fusion reactors. Physica Scripta, 2020, T171, 014028.	2.5	28
79	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
80	Behavior of tungsten fiber-reinforced tungsten based on single fiber push-out study. Nuclear Materials and Energy, 2016, 9, 416-421.	1.3	27
81	Advanced smart tungsten alloys for a future fusion power plant. Plasma Physics and Controlled Fusion, 2017, 59, 064003.	2.1	27
82	Textile preforms for tungsten fibre-reinforced composites. Journal of Composite Materials, 2018, 52, 3875-3884.	2.4	27
83	Plasma Facing Materials for the JET ITER-Like Wall. Fusion Science and Technology, 2012, 62, 1-8.	1.1	26
84	Numerical evaluation of heat flux and surface temperature on a misaligned JET divertor W lamella during ELMs. Nuclear Fusion, 2014, 54, 123011.	3.5	26
85	Powder Metallurgical Tungsten Fiber-Reinforced Tungsten. Materials Science Forum, 0, 825-826, 125-133.	0.3	26
86	Deposition and re-erosion studies by means of local impurity injection in TEXTOR. Journal of Nuclear Materials, 2011, 415, S239-S245.	2.7	25
87	The microstructure and tensile properties of W/Ti multilayer composites prepared by spark plasma sintering. Journal of Alloys and Compounds, 2019, 780, 116-130.	5.5	25
88	Tokamak plasma response to droplet spraying from melted plasma-facing components. Nuclear Fusion, 2012, 52, 013013.	3.5	24
89	Evaluation of the high temperature oxidation of W-Cr-Zr self-passivating alloys. Corrosion Science, 2019, 147, 201-211.	6.6	24
90	Experimental confirmation of efficient island divertor operation and successful neoclassical transport optimization in Wendelstein 7-X. Nuclear Fusion, 2022, 62, 042022.	3.5	24

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91	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
92	3D effects of edge magnetic field configuration on divertor/scrape-off layer transport and optimization possibilities for a future reactor. Nuclear Fusion, 2015, 55, 104021.	3.5	23
93	Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution ^a . Nuclear Fusion, 2017, 57, 102014.	3.5	23
94	Development and characterization of powder metallurgically produced discontinuous tungsten fiber reinforced tungsten composites. Physica Scripta, 2017, T170, 014005.	2.5	23
95	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
96	Melt-layer ejection and material changes of three different tungsten materials under high heat-flux conditions in the tokamak edge plasma of TEXTOR. Nuclear Fusion, 2011, 51, 113020.	3.5	22
97	WCrY smart alloys as advanced plasma-facing materials – Exposure to steady-state pure deuterium plasmas in PSI-2. Nuclear Materials and Energy, 2018, 15, 220-225.	1.3	21
98	On the nature of carbon embrittlement of tungsten fibers during powder metallurgical processes. Fusion Engineering and Design, 2019, 145, 18-22.	1.9	21
99	Materials development for new high heat-flux component mock-ups for DEMO. Fusion Engineering and Design, 2019, 146, 1431-1436.	1.9	21
100	Estimation of the fracture toughness of tungsten fibre-reinforced tungsten composites. Engineering Fracture Mechanics, 2020, 232, 107011.	4.3	21
101	Overview of ASDEX Upgrade results. Nuclear Fusion, 2003, 43, 1570-1582.	3.5	20
102	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.	2.7	20
103	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
104	Plasma-wall interaction of advanced materials. Nuclear Materials and Energy, 2017, 12, 307-312.	1.3	20
105	Transient induced tungsten melting at the Joint European Torus (JET). Physica Scripta, 2017, T170, 014013.	2.5	20
106	Spectroscopic determination of inverse photon efficiencies of W atoms in the scrape-off layer of TEXTOR. Physica Scripta, 2017, T170, 014052.	2.5	20
107	Design of tungsten fiber-reinforced tungsten composites with porous matrix. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 817, 141361.	5.6	20
108	Numerical simulations of tungsten melt layer erosion caused by J×B force at TEXTOR. Physica Scripta, 2011, T145, 014054.	2.5	19

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109	Dust investigations in TEXTOR: Impact of dust on plasma–wall interactions and on plasma performance. Journal of Nuclear Materials, 2013, 438, S126-S132.	2.7	19
110	Deuterium retention in Toughened, Fine-Grained Recrystallized Tungsten. Journal of Nuclear Materials, 2013, 438, S1052-S1054.	2.7	19
111	Investigation of transient melting of tungsten by ELMs in ASDEX Upgrade. Physica Scripta, 2017, T170, 014030.	2.5	19
112	Correlation of microstructural and mechanical properties of K-doped tungsten fibers used as reinforcement of tungsten matrix for high temperature applications. International Journal of Refractory Metals and Hard Materials, 2019, 79, 204-216.	3.8	19
113	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
114	Tensile behaviour of drawn tungsten wire used in tungsten fibre-reinforced tungsten composites. Physica Scripta, 2017, T170, 014032.	2.5	18
115	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.	2.7	18
116	Interpretative transport modeling of the WEST boundary plasma: main plasma and light impurities. Nuclear Fusion, 2020, 60, 126048.	3.5	18
117	Tungsten migration studies by controlled injection of volatile compounds. Journal of Nuclear Materials, 2013, 438, S170-S174.	2.7	17
118	L-mode radiative plasma edge studies for model validation in ASDEX Upgrade and JET. Journal of Nuclear Materials, 2013, 438, S321-S325.	2.7	17
119	Erosion and deposition investigations on Wendelstein 7-X first wall components for the first operation phase in divertor configuration. Fusion Engineering and Design, 2019, 146, 242-245.	1.9	17
120	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
121	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
122	Recent ASDEX Upgrade research in support of ITER and DEMO. Nuclear Fusion, 2015, 55, 104010.	3.5	16
123	On Oxidation Resistance Mechanisms at 1273 K of Tungsten-Based Alloys Containing Chromium and Yttria. Metals, 2018, 8, 488.	2.3	16
124	Fracture behavior of random distributed short tungsten fiber-reinforced tungsten composites. Nuclear Fusion, 2019, 59, 086034.	3.5	16
125	Fusion Materials Development at Forschungszentrum Jülich. Advanced Engineering Materials, 2020, 22, 1901376.	3.5	16
126	The influence of heating rate on W-Cr-Zr alloy densification process and microstructure evolution during spark plasma sintering. Powder Technology, 2020, 370, 9-18.	4.2	16

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127	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
128	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
129	Analysis of structural changes and high-heat-flux tests on pre-damaged tungsten from tokamak melt experiments. Physica Scripta, 2011, T145, 014066.	2.5	14
130	Thermal analysis of an exposed tungsten edge in the JET divertor. Journal of Nuclear Materials, 2015, 463, 415-419.	2.7	14
131	Search for the rare decayBsO→ï•μ+μâ^'with the DO detector. Physical Review D, 2006, 74, .	4.7	13
132	Penetration depths of injected/sputtered tungsten in the plasma edge layer of TEXTOR. Journal of Nuclear Materials, 2013, 438, S865-S870.	2.7	13
133	Movement of liquid beryllium during melt events in JET with ITER-like wall. Physica Scripta, 2014, T159, 014041.	2.5	13
134	Transient impurity events in JET with the new ITER-like wall. Physica Scripta, 2014, T159, 014014.	2.5	13
135	Tracer techniques for the assessment of material migration and surface modification of plasma-facing components. Journal of Nuclear Materials, 2015, 463, 280-284.	2.7	13
136	Mechanical and microstructural changes in tungsten due to irradiation damage. Physica Scripta, 2016, T167, 014007.	2.5	13
137	Plastic deformation of recrystallized tungsten-potassium wires: Constitutive deformation law in the temperature range 22–600†°C. International Journal of Refractory Metals and Hard Materials, 2018, 73, 38-45.	3.8	13
138	Modeling and validation of chemical vapor deposition of tungsten for tungsten fiber reinforced tungsten composites. Surface and Coatings Technology, 2020, 381, 124745.	4.8	13
139	Smart Tungsten-based Alloys for a First Wall of DEMO. Fusion Engineering and Design, 2020, 159, 111742.	1.9	13
140	Search for excited muons inppÂ⁻collisions ats=1.96  TeV. Physical Review D, 2006, 73, .	4.7	12
141	Smart first wall materials for intrinsic safety of a fusion power plant. Fusion Engineering and Design, 2018, 136, 878-882.	1.9	12
142	Sublimation of advanced tungsten alloys under DEMO relevant accidental conditions. Fusion Engineering and Design, 2019, 146, 1198-1202.	1.9	12
143	Development of tungsten fiber-reinforced tungsten with a porous matrix. Physica Scripta, 2020, T171, 014030.	2.5	12
144	Advanced Self-Passivating Alloys for an Application under Extreme Conditions. Metals, 2021, 11, 1255.	2.3	12

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145	Operation and upgrade of diagnostic neutral beam injector RUDI at TEXTOR tokamak. Review of Scientific Instruments, 2010, 81, 02B104.	1.3	11
146	Deposition and qualification of tungsten coatings produced by plasma deposition in WF ₆ precursor gas. Physica Scripta, 2011, T145, 014030.	2.5	11
147	On the challenge of plasma heating with the JET metallic wall. Nuclear Fusion, 2014, 54, 033002.	3.5	11
148	The evolution of shear bands in Ta-2.5W alloy during cold rolling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 726, 259-273.	5.6	11
149	Production of tungsten-fibre reinforced tungsten composites by a novel continuous chemical vapour deposition process. Fusion Engineering and Design, 2019, 146, 1426-1430.	1.9	11
150	Tungsten–chromium–yttrium alloys as first wall armor material: Yttrium concentration, oxygen content and transmutation elements. Fusion Engineering and Design, 2020, 158, 111667.	1.9	11
151	Fiber Volume Fraction Influence on Randomly Distributed Short Fiber Tungsten Fiberâ€Reinforced Tungsten Composites. Advanced Engineering Materials, 2020, 22, 1901242.	3.5	11
152	Latest results of Eurofusion plasma-facing components research in the areas of power loading, material erosion and fuel retention. Nuclear Fusion, 2022, 62, 042013.	3.5	11
153	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
154	Surface erosion and modification of toughened, fine-grained, recrystallized tungsten exposed to TEXTOR edge plasma. Physica Scripta, 2014, T159, 014038.	2.5	10
155	Tritium distributions on W-coated divertor tiles used in the third JET ITER-like wall campaign. Nuclear Materials and Energy, 2019, 18, 258-261.	1.3	10
156	Preparation of erosion and deposition investigations on plasma facing components in Wendelstein 7-X. Physica Scripta, 2017, T170, 014010.	2.5	10
157	Local migration studies of high-Zmetals in the TEXTOR tokamak. Physica Scripta, 2016, T167, 014058.	2.5	9
158	Application of advanced edge diagnostics for transport studies in the stochastic boundary of TEXTOR-DED. AIP Conference Proceedings, 2008, , .	0.4	8
159	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.	1.1	8
160	Simulation of tungsten sputtering with EDGE2D–EIRENE in low triangularity L-mode JET ITER like wall configuration. Journal of Nuclear Materials, 2013, 438, S480-S483.	2.7	8
161	Insight into single-fiber push-out test of tungsten fiber-reinforced tungsten. Composite Interfaces, 2019, 26, 107-126.	2.3	8
162	A locked mode indicator for disruption prediction on JET and ASDEX upgrade. Fusion Engineering and Design, 2019, 138, 254-266.	1.9	8

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163	On grain growth and phase precipitation behaviors during W-Cr-Zr alloy densification using field-assisted sintering technology. International Journal of Refractory Metals and Hard Materials, 2021, 98, 105552.	3.8	8
164	Modeling of tungsten transport in the linear plasma device PSI-2 with the 3D Monte-Carlo code ERO. Journal of Nuclear Materials, 2015, 463, 268-271.	2.7	7
165	Argon-seeded plasma exposure and oxidation performance of tungsten-chromium-yttrium smart alloys. Tungsten, 2019, 1, 159-168.	4.8	7
166	Improved neutron activation dosimetry for fusion. Fusion Engineering and Design, 2019, 139, 109-114.	1.9	7
167	The use of tungsten yarns in the production for W _{<i>f</i>} /W. Physica Scripta, 2020, T171, 014061.	2.5	7
168	Improving the W Coating Uniformity by a COMSOL Model-Based CVD Parameter Study for Denser Wf/W Composites. Metals, 2021, 11, 1089.	2.3	7
169	The DED at TEXTOR: Transport and Topological Properties of a Helical Divertor. Plasma and Fusion Research, 2008, 3, S1039-S1039.	0.7	7
170	Manufacturing of W-steel joint using plasma sprayed graded W/steel-interlayer with current assisted diffusion bonding. Fusion Engineering and Design, 2021, 172, 112896.	1.9	7
171	Use of the focusing multi-slit ion optical system at RUssian Diagnostic Injector (RUDI). Review of Scientific Instruments, 2012, 83, 02B707.	1.3	6
172	Simulation of spectroscopic patterns obtained in W/C test-limiter sputtering experiment at TEXTOR. Journal of Nuclear Materials, 2013, 438, S351-S355.	2.7	6
173	An improved model for the accurate calculation of parallel heat fluxes at the JET bulk tungsten outer divertor. Nuclear Fusion, 2018, 58, 106034.	3.5	6
174	Preferential sputtering induced Cr-Diffusion during plasma exposure of WCrY smart alloys. Journal of Nuclear Materials, 2019, 526, 151767.	2.7	6
175	Self-passivating smart tungsten alloys for DEMO: a progress in joining and upscale for a first wall mockup. Tungsten, 2021, 3, 101-115.	4.8	6
176	Smart alloys as armor material for DEMO: Overview of properties and joining to structural materials. Fusion Engineering and Design, 2021, 166, 112272.	1.9	6
177	Modeling and experimental validation of a W <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1974" altimg="si81.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mi>f</mml:mi></mml:mrow></mml:mrow </mml:msub>/W-fabrication by chemical</mml:math 	1.3	6
178	vapor deposition and infilmation. Nuclear Materials and Energy, 2021, 20, 101046. The influence of powder characteristics on densification behavior and microstructure evolution of W-Cr-Zr alloy consolidated by field-assisted sintering technology. International Journal of Refractory Metals and Hard Materials, 2022, 108, 105939.	3.8	6
179	Material deposition and migration processes with resonant magnetic perturbation fields at TEXTOR. Journal of Nuclear Materials, 2013, 438, S602-S606.	2.7	5
180	Carbon deposition at the bottom of gaps in TEXTOR experiments. Journal of Nuclear Materials, 2013, 438, S775-S779.	2.7	5

#	Article	IF	CITATIONS
181	In situdeuterium inventory measurements of a-C:D layers on tungsten in TEXTOR by laser induced ablation spectroscopy. Physica Scripta, 2014, T159, 014054.	2.5	5
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