

Thomas Pätzl

List of Publications by Year in descending order

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178
papers

8,202
citations

31976

53
h-index

60623

81
g-index

179
all docs

179
docs citations

179
times ranked

3087
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The dependence of confinement on the isotope mass in the core and the edge of AUG and JET-ILW H-mode plasmas. Nuclear Fusion, 2022, 62, 026014. | 3.5 | 10 |
| 2 | In-out charge exchange measurements and 3D modelling of diagnostic thermal neutrals to study edge poloidal impurity asymmetries. Plasma Physics and Controlled Fusion, 2022, 64, 045021. | 2.1 | 2 |
| 3 | Fast-ion pressure dominating the mass dependence of the core heat transport in ASDEX Upgrade H-modes. Nuclear Fusion, 2021, 61, 036033. | 3.5 | 13 |
| 4 | CXRS measurements of energetic helium ions in ASDEX Upgrade plasmas heated with a 3-ion ICRF scenario. Nuclear Fusion, 2021, 61, 036017. | 3.5 | 4 |
| 5 | The upgraded ASDEX Upgrade contribution to the ITPA confinement database: description and analysis. Nuclear Fusion, 2021, 61, 046030. | 3.5 | 10 |
| 6 | I-mode in non-deuterium plasmas in ASDEX Upgrade. Nuclear Fusion, 2021, 61, 054001. | 3.5 | 6 |
| 7 | Validation of quasi-linear turbulent transport models against plasmas with dominant electron heating for the prediction of ITER PFPO-1 plasmas. Nuclear Fusion, 2021, 61, 066035. | 3.5 | 15 |
| 8 | Optimization of the computation of total and local radiated power at ASDEX Upgrade. Nuclear Fusion, 2021, 61, 066025. | 3.5 | 19 |
| 9 | Experimental inference of neutral and impurity transport in Alcator C-Mod using high-resolution x-ray and ultra-violet spectra. Nuclear Fusion, 2021, 61, 126060. | 3.5 | 8 |
| 10 | Development of Ar+16 charge exchange recombination spectroscopy measurements at ASDEX Upgrade. Nuclear Fusion, 2021, 61, 016019. | 3.5 | 12 |
| 11 | Exploring fusion-reactor physics with high-power electron cyclotron resonance heating on ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2020, 62, 024012. | 2.1 | 16 |
| 12 | H-mode power threshold studies in mixed ion species plasmas at ASDEX Upgrade. Nuclear Fusion, 2020, 60, 074001. | 3.5 | 24 |
| 13 | Dynamics of the pedestal transport during edge localized mode cycles at ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2020, 62, 024009. | 2.1 | 3 |
| 14 | Stationary ELM-free H-mode in ASDEX Upgrade. Nuclear Fusion, 2020, 60, 054003. | 3.5 | 27 |
| 15 | Connecting the global H-mode power threshold to the local radial electric field at ASDEX Upgrade. Nuclear Fusion, 2020, 60, 066026. | 3.5 | 35 |
| 16 | Overview of physics studies on ASDEX Upgrade. Nuclear Fusion, 2019, 59, 112014. | 3.5 | 38 |
| 17 | The local nature of the plasma response to cold pulses with electron and ion heating at ASDEX Upgrade. Nuclear Fusion, 2019, 59, 106007. | 3.5 | 16 |
| 18 | Understanding helium transport: experimental and theoretical investigations of low-Z impurity transport at ASDEX Upgrade. Nuclear Fusion, 2019, 59, 056014. | 3.5 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | The role of the source versus the collisionality in predicting a reactor density profile as observed on ASDEX Upgrade discharges. Nuclear Fusion, 2019, 59, 076042. | 3.5 | 30 |
| 20 | Evolution of nitrogen concentration and ammonia production in N ₂ -seeded H-mode discharges at ASDEX Upgrade. Nuclear Fusion, 2019, 59, 046010. | 3.5 | 22 |
| 21 | Observation of anomalous impurity transport during low-density experiments in W7-X with laser blow-off injections of iron. Nuclear Fusion, 2019, 59, 046009. | 3.5 | 38 |
| 22 | Determination of the tolerable impurity concentrations in a fusion reactor using a consistent set of cooling factors. Nuclear Fusion, 2019, 59, 056013. | 3.5 | 60 |
| 23 | The physics of W transport illuminated by recent progress in W density diagnostics at ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2018, 60, 014003. | 2.1 | 20 |
| 24 | Measurement of the complete core plasma flow across the LOC→SOC transition at ASDEX Upgrade. Nuclear Fusion, 2018, 58, 026013. | 3.5 | 22 |
| 25 | Assessment of the baseline scenario at $q \sim 3$ for ITER. Nuclear Fusion, 2018, 58, 126010. | 3.5 | 26 |
| 26 | Progress in reducing ICRF-specific impurity release in ASDEX upgrade and JET. Nuclear Materials and Energy, 2017, 12, 1194-1198. | 1.3 | 11 |
| 27 | Optimisation and assessment of theoretical impurity line power coefficients relevant to ITER and DEMO. Plasma Physics and Controlled Fusion, 2017, 59, 055010. | 2.1 | 7 |
| 28 | Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978. | 16.7 | 73 |
| 29 | Ion cyclotron resonance heating for tungsten control in various JET H-mode scenarios. Plasma Physics and Controlled Fusion, 2017, 59, 055001. | 2.1 | 32 |
| 30 | The physics and technology basis entering European system code studies for DEMO. Nuclear Fusion, 2017, 57, 016011. | 3.5 | 84 |
| 31 | Power exhaust by SOL and pedestal radiation at ASDEX Upgrade and JET. Nuclear Materials and Energy, 2017, 12, 111-118. | 1.3 | 92 |
| 32 | Measurement of N ₊ flows in the high-field side scrape-off layer of ASDEX upgrade with different degrees of inner divertor detachment. Nuclear Materials and Energy, 2017, 12, 935-941. | 1.3 | 1 |
| 33 | A comparison of the impact of central ECRH and central ICRH on the tungsten behaviour in ASDEX Upgrade H-mode plasmas. Nuclear Fusion, 2017, 57, 056015. | 3.5 | 30 |
| 34 | Investigation of inter-ELM ion heat transport in the H-mode pedestal of ASDEX Upgrade plasmas. Nuclear Fusion, 2017, 57, 022020. | 3.5 | 24 |
| 35 | I-mode studies at ASDEX Upgrade: L-I and I-H transitions, pedestal and confinement properties. Nuclear Fusion, 2017, 57, 016004. | 3.5 | 51 |
| 36 | Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution. Nuclear Fusion, 2017, 57, 102014. | 3.5 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Interplay between turbulence, neoclassical and zonal flows during the transition from low to high confinement mode at ASDEX Upgrade. Nuclear Fusion, 2017, 57, 014002. | 3.5 | 40 |
| 38 | Extensions to the charge exchange recombination spectroscopy diagnostic suite at ASDEX Upgrade. Review of Scientific Instruments, 2017, 88, 073508. | 1.3 | 43 |
| 39 | Pedestal and r -profile evolution during an edge localized mode cycle at ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2017, 59, 105007. | 2.1 | 28 |
| 40 | Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001. | 3.5 | 150 |
| 41 | Overview of ASDEX Upgrade results. Nuclear Fusion, 2017, 57, 102015. | 3.5 | 53 |
| 42 | Making ICRF power compatible with a high-Z wall in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2017, 59, 014022. | 2.1 | 59 |
| 43 | A fast edge charge exchange recombination spectroscopy system at the ASDEX Upgrade tokamak. Review of Scientific Instruments, 2017, 88, 043103. | 1.3 | 21 |
| 44 | L-H transition physics in hydrogen and deuterium: key role of the edge radial electric field and ion heat flux. Plasma Physics and Controlled Fusion, 2016, 58, 014007. | 2.1 | 36 |
| 45 | Imaging motional Stark effect measurements at ASDEX Upgrade. Review of Scientific Instruments, 2016, 87, 11E537. | 1.3 | 5 |
| 46 | Magnetic structure and frequency scaling of limit-cycle oscillations close to L- to H-mode transitions. Nuclear Fusion, 2016, 56, 086009. | 3.5 | 43 |
| 47 | First results with 3-strap ICRF antennas in ASDEX Upgrade. Nuclear Fusion, 2016, 56, 084001. | 3.5 | 54 |
| 48 | Development of the $Q_{\text{H}} = 10$ scenario for ITER on ASDEX Upgrade (AUG). Nuclear Fusion, 2016, 56, 106007. | 3.5 | 75 |
| 49 | The role of MHD in causing impurity peaking in JET hybrid plasmas. Nuclear Fusion, 2016, 56, 066002. | 3.5 | 37 |
| 50 | Optimized tomography methods for plasma emissivity reconstruction at the ASDEX Upgrade tokamak. Review of Scientific Instruments, 2016, 87, 123505. | 1.3 | 32 |
| 51 | Optimization of ICRH for core impurity control in JET-ILW. Nuclear Fusion, 2016, 56, 036022. | 3.5 | 59 |
| 52 | ELM-resolved divertor erosion in the JET ITER-Like Wall. Nuclear Fusion, 2016, 56, 026014. | 3.5 | 60 |
| 53 | Collisionality dependence of edge rotation and in-out impurity asymmetries in ASDEX Upgrade H-mode plasmas. Nuclear Fusion, 2015, 55, 123002. | 3.5 | 18 |
| 54 | Overview of the JET results. Nuclear Fusion, 2015, 55, 104001. | 3.5 | 50 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Determination of tungsten and molybdenum concentrations from an x-ray range spectrum in JET with the ITER-like wall configuration. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144023. | 1.5 | 22 |
| 56 | Soft X-ray tomographic reconstruction of JET ILW plasmas with tungsten impurity and different spectral response of detectors. Fusion Engineering and Design, 2015, 96-97, 869-872. | 1.9 | 5 |
| 57 | Investigation of 3D tungsten distributions in (1,1) kink modes induced by toroidal plasma rotation. Plasma Physics and Controlled Fusion, 2015, 57, 085002. | 2.1 | 9 |
| 58 | Tungsten transport and sources control in JET ITER-like wall H-mode plasmas. Journal of Nuclear Materials, 2015, 463, 85-90. | 2.7 | 29 |
| 59 | ITER-like current ramps in JET with ILW: experiments, modelling and consequences for ITER. Nuclear Fusion, 2015, 55, 013009. | 3.5 | 5 |
| 60 | ELM induced tungsten melting and its impact on tokamak operation. Journal of Nuclear Materials, 2015, 463, 78-84. | 2.7 | 53 |
| 61 | ELM-induced transient tungsten melting in the JET divertor. Nuclear Fusion, 2015, 55, 023010. | 3.5 | 83 |
| 62 | Progress at JET in integrating ITER-relevant core and edge plasmas within the constraints of an ITER-like wall. Plasma Physics and Controlled Fusion, 2015, 57, 035004. | 2.1 | 64 |
| 63 | Trends of W behavior in ICRF assisted discharges in ASDEX Upgrade. Journal of Nuclear Materials, 2015, 463, 601-604. | 2.7 | 3 |
| 64 | Impact of W events and dust on JET-ILW operation. Journal of Nuclear Materials, 2015, 463, 837-841. | 2.7 | 19 |
| 65 | Tungsten impurity transport experiments in Alcator C-Mod to address high priority research and | 1.9 | 33 |
| 66 | The impact of poloidal asymmetries on tungsten transport in the core of JET H-mode plasmas. Physics of Plasmas, 2015, 22, 055902. | 1.9 | 49 |
| 67 | Filament transport, warm ions and erosion in ASDEX Upgrade L-modes. Nuclear Fusion, 2015, 55, 033018. | 3.5 | 34 |
| 68 | Cascade emission in electron beam ion trap plasma of W ²⁵⁺ ion. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 160, 22-28. | 2.3 | 2 |
| 69 | Theoretical description of heavy impurity transport and its application to the modelling of tungsten in JET and ASDEX upgrade. Plasma Physics and Controlled Fusion, 2015, 57, 014031. | 2.1 | 107 |
| 70 | Impact of W on scenario simulations for ITER. Nuclear Fusion, 2015, 55, 063031. | 3.5 | 6 |
| 71 | Understanding of impurity poloidal distribution in the edge pedestal by modelling. Nuclear Fusion, 2015, 55, 073017. | 3.5 | 4 |
| 72 | Modification of impurity transport in the presence of saturated (m, n) = (1,1) MHD activity at ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2015, 57, 075004. | 2.1 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | First scenario development with the JET new ITER-like wall. Nuclear Fusion, 2014, 54, 013011. | 3.5 | 59 |
| 74 | Observation of different phases during an ELM crash with the help of nitrogen seeding. Plasma Physics and Controlled Fusion, 2014, 56, 025011. | 2.1 | 20 |
| 75 | Parameter dependence of the radial electric field in the edge pedestal of hydrogen, deuterium and helium plasmas. Plasma Physics and Controlled Fusion, 2014, 56, 075018. | 2.1 | 11 |
| 76 | Core intrinsic rotation behaviour in ASDEX Upgrade ohmic L-mode plasmas. Nuclear Fusion, 2014, 54, 043009. | 3.5 | 60 |
| 77 | The influence of an ITER-like wall on disruptions at JET. Physics of Plasmas, 2014, 21, . | 1.9 | 61 |
| 78 | Spectroscopic investigation of heavy impurity behaviour during ICRH with the JET ITER-like wall. , 2014, , . | | 6 |
| 79 | Comparison of ICRF and NBI heated plasmas performances in the JET ITER-like wall. , 2014, , . | | 2 |
| 80 | Statistical comparison of ICRF and NBI heating performance in JET-ILW L-mode plasmas. , 2014, , . | | 2 |
| 81 | Influence of gas injection location and magnetic perturbations on ICRF antenna performance in ASDEX Upgrade. , 2014, , . | | 23 |
| 82 | Effect of the minority concentration on ion cyclotron resonance heating in presence of the ITER-like wall in JET. , 2014, , . | | 3 |
| 83 | ICRF heating in JET during initial operations with the ITER-like wall. , 2014, , . | | 3 |
| 84 | Ion cyclotron resonance frequency heating in JET during initial operations with the ITER-like wall. Physics of Plasmas, 2014, 21, 061510. | 1.9 | 16 |
| 85 | Tungsten transport in JET H-mode plasmas in hybrid scenario, experimental observations and modelling. Nuclear Fusion, 2014, 54, 083028. | 3.5 | 139 |
| 86 | Evidence for the neoclassical nature of the radial electric field in the edge transport barrier of ASDEX Upgrade. Nuclear Fusion, 2014, 54, 012003. | 3.5 | 66 |
| 87 | DEMO divertor limitations during and in between ELMs. Nuclear Fusion, 2014, 54, 114003. | 3.5 | 107 |
| 88 | Experiences With Tungsten Plasma Facing Components in ASDEX Upgrade and JET. IEEE Transactions on Plasma Science, 2014, 42, 552-562. | 1.3 | 29 |
| 89 | On the challenge of plasma heating with the JET metallic wall. Nuclear Fusion, 2014, 54, 033002. | 3.5 | 11 |
| 90 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | First operation with the JET International Thermonuclear Experimental Reactor-like wall. Physics of Plasmas, 2013, 20, . | 1.9 | 56 |
| 92 | Measurements and ERO simulations of carbon flows in the high-field side main SOL in AUG. Journal of Nuclear Materials, 2013, 438, S410-S413. | 2.7 | 3 |
| 93 | Synthetic Doppler spectroscopy and curvilinear camera diagnostics in the ERO code. Computer Physics Communications, 2013, 184, 1842-1847. | 7.5 | 1 |
| 94 | Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002. | 3.5 | 70 |
| 95 | 3D trajectories re-construction of droplets ejected in controlled tungsten melting studies in ASDEX Upgrade. Journal of Nuclear Materials, 2013, 438, S846-S851. | 2.7 | 9 |
| 96 | Overview on plasma operation with a full tungsten wall in ASDEX Upgrade. Journal of Nuclear Materials, 2013, 438, S34-S41. | 2.7 | 156 |
| 97 | First analysis of tungsten transport in the edge of Tore Supra plasmas. Journal of Nuclear Materials, 2013, 438, S526-S529. | 2.7 | 3 |
| 98 | 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 |
| 99 | Overview of ASDEX Upgrade results. Nuclear Fusion, 2013, 53, 104003. | 3.5 | 36 |
| 100 | ICRF operation with improved antennas in ASDEX Upgrade with W wall. Nuclear Fusion, 2013, 53, 093018. | 3.5 | 60 |
| 101 | ICRF specific plasma wall interactions in JET with the ITER-like wall. Journal of Nuclear Materials, 2013, 438, S160-S165. | 2.7 | 35 |
| 102 | Mitigation of edge localised modes with magnetic perturbations in ASDEX Upgrade. Fusion Engineering and Design, 2013, 88, 446-453. | 1.9 | 19 |
| 103 | The extreme ultraviolet emissions of W ²³⁺ (4f ⁵). , 2013, , . | | 7 |
| 104 | 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 |
| 105 | Core transport analysis of nitrogen seeded H-mode discharges in the ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2013, 55, 015010. | 2.1 | 19 |
| 106 | Analysis of temperature and density pedestal gradients in AUG, DIII-D and JET. Nuclear Fusion, 2013, 53, 073039. | 3.5 | 31 |
| 107 | Development of the gas puff charge exchange recombination spectroscopy (GP-CXRS) technique for ion measurements in the plasma edge. Review of Scientific Instruments, 2013, 84, 093505. | 1.3 | 25 |
| 108 | Rotation and density asymmetries in the presence of large poloidal impurity flows in the edge pedestal. Plasma Physics and Controlled Fusion, 2013, 55, 124037. | 2.1 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | High-accuracy characterization of the edge radial electric field at ASDEX Upgrade. Nuclear Fusion, 2013, 53, 053005. | 3.5 | 117 |
| 110 | First EMC3-Eirene simulations of the impact of the edge magnetic perturbations at ASDEX Upgrade compared with the experiment. Nuclear Fusion, 2012, 52, 054013. | 3.5 | 47 |
| 111 | High-resolution charge exchange measurements at ASDEX Upgrade. Review of Scientific Instruments, 2012, 83, 103501. | 1.3 | 109 |
| 112 | Poloidal asymmetry of parallel rotation measured in ASDEX Upgrade. Nuclear Fusion, 2012, 52, 083013. | 3.5 | 44 |
| 113 | L-H transition in the presence of magnetic perturbations in ASDEX Upgrade. Nuclear Fusion, 2012, 52, 114014. | 3.5 | 22 |
| 114 | Progress in characterization and modelling of the current ramp-up phase of ASDEX Upgrade discharges. Nuclear Fusion, 2012, 52, 063017. | 3.5 | 10 |
| 115 | Recent progress in understanding the L-H transition physics from ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2012, 54, 124002. | 2.1 | 7 |
| 116 | Recent ASDEX Upgrade Results and Future Extension Plans. IEEE Transactions on Plasma Science, 2012, 40, 605-613. | 1.3 | 13 |
| 117 | L- to H-mode transitions at low density in ASDEX Upgrade. Nuclear Fusion, 2012, 52, 012001. | 3.5 | 80 |
| 118 | Controlled tungsten melting and droplet ejection studies in ASDEX Upgrade. Physica Scripta, 2011, T145, 014067. | 2.5 | 25 |
| 119 | Effect of electron cyclotron resonance heating (ECRH) on toroidal rotation in ASDEX Upgrade H-mode discharges. Plasma Physics and Controlled Fusion, 2011, 53, 035007. | 2.1 | 46 |
| 120 | First Observation of Edge Localized Modes Mitigation with Resonant and Nonresonant Magnetic Perturbations in ASDEX Upgrade. Physical Review Letters, 2011, 106, 225004. | 7.8 | 428 |
| 121 | ICRF antenna-plasma interactions and its influence on W sputtering in ASDEX upgrade. Journal of Nuclear Materials, 2011, 415, S1005-S1008. | 2.7 | 24 |
| 122 | Tungsten behaviour in radiatively cooled plasma discharges in ASDEX Upgrade. Journal of Nuclear Materials, 2011, 415, S322-S326. | 2.7 | 14 |
| 123 | ELM flushing and impurity transport in the H-mode edge barrier in ASDEX Upgrade. Journal of Nuclear Materials, 2011, 415, S334-S339. | 2.7 | 64 |
| 124 | 3D modeling of the ASDEX Upgrade edge plasma exposed to a localized tungsten source by means of EMC3-Eirene. Journal of Nuclear Materials, 2011, 415, S505-S508. | 2.7 | 15 |
| 125 | Plasma surface interactions in impurity seeded plasmas. Journal of Nuclear Materials, 2011, 415, S19-S26. | 2.7 | 116 |
| 126 | Induced tungsten melting events in the divertor of ASDEX Upgrade and their influence on plasma performance. Journal of Nuclear Materials, 2011, 415, S297-S300. | 2.7 | 34 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Simulation of edge radial electric fields in H-regimes of ASDEX-Upgrade. Journal of Nuclear Materials, 2011, 415, S593-S596. | 2.7 | 3 |
| 128 | Intrinsic Toroidal Rotation, Density Peaking, and Turbulence Regimes in the Core of Tokamak Plasmas. Physical Review Letters, 2011, 107, 215003. | 7.8 | 99 |
| 129 | Overview of ASDEX Upgrade results. Nuclear Fusion, 2011, 51, 094012. | 3.5 | 27 |
| 130 | Confinement of \tilde{q} -improved H-modes TM in the all-tungsten ASDEX Upgrade with nitrogen seeding. Nuclear Fusion, 2011, 51, 113003. | 3.5 | 84 |
| 131 | Core momentum and particle transport studies in the ASDEX Upgrade tokamak. Plasma Physics and Controlled Fusion, 2011, 53, 124013. | 2.1 | 45 |
| 132 | Investigation of passive edge emission in charge exchange spectra at the ASDEX Upgrade tokamak. Plasma Physics and Controlled Fusion, 2011, 53, 035002. | 2.1 | 20 |
| 133 | Main chamber sources and edge transport of tungsten in H-mode plasmas at ASDEX Upgrade. Nuclear Fusion, 2011, 51, 053002. | 3.5 | 55 |
| 134 | Gyrokinetic modelling of electron and boron density profiles of H-mode plasmas in ASDEX Upgrade. Nuclear Fusion, 2011, 51, 023006. | 3.5 | 75 |
| 135 | Studies of edge localized mode mitigation with new active in-vessel saddle coils in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2011, 53, 124014. | 2.1 | 71 |
| 136 | Characterization of edge profiles and fluctuations in discharges with type-II and nitrogen-mitigated edge localized modes in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2011, 53, 085026. | 2.1 | 39 |
| 137 | Local effects of ECRH on argon transport in L-mode discharges at ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2011, 53, 035024. | 2.1 | 51 |
| 138 | Overview of JET results. Nuclear Fusion, 2011, 51, 094008. | 3.5 | 33 |
| 139 | Divertor power load feedback with nitrogen seeding in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2010, 52, 055002. | 2.1 | 173 |
| 140 | Estimation of profiles of the effective ion charge at ASDEX Upgrade with Integrated Data Analysis. Plasma Physics and Controlled Fusion, 2010, 52, 095008. | 2.1 | 53 |
| 141 | Calculation and experimental test of the cooling factor of tungsten. Nuclear Fusion, 2010, 50, 025012. | 3.5 | 189 |
| 142 | Assessment of compatibility of ICRF antenna operation with full W wall in ASDEX Upgrade. Nuclear Fusion, 2010, 50, 035004. | 3.5 | 71 |
| 143 | Evidence for Strong Inversed Shear of Toroidal Rotation at the Edge-Transport Barrier in the ASDEX Upgrade. Physical Review Letters, 2009, 102, 025001. | 7.8 | 63 |
| 144 | Overview of ASDEX Upgrade results. Nuclear Fusion, 2009, 49, 104009. | 3.5 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Compatibility of ITER scenarios with full tungsten wall in ASDEX Upgrade. Nuclear Fusion, 2009, 49, 115014. | 3.5 | 68 |
| 146 | Non-boronized compared with boronized operation of ASDEX Upgrade with full-tungsten plasma facing components. Nuclear Fusion, 2009, 49, 045007. | 3.5 | 98 |
| 147 | Ten years of W programme in ASDEX Upgrade – challenges and conclusions. Physica Scripta, 2009, T138, 014038. | 2.5 | 60 |
| 148 | Interaction of ICRF Fields with the Plasma Boundary in AUG and JET and Guidelines for Antenna Optimization. , 2009, , . | | 10 |
| 149 | H-mode threshold and confinement in helium and deuterium in ASDEX Upgrade. Nuclear Fusion, 2009, 49, 062003. | 3.5 | 98 |
| 150 | Plasma-wall interaction and plasma behaviour in the non-boronised all tungsten ASDEX Upgrade. Journal of Nuclear Materials, 2009, 390-391, 858-863. | 2.7 | 142 |
| 151 | Operation of ICRF antennas in a full tungsten environment in ASDEX Upgrade. Journal of Nuclear Materials, 2009, 390-391, 900-903. | 2.7 | 17 |
| 152 | Spectroscopy of highly charged tungsten ions relevant to fusion plasmas. Physica Scripta, 2009, T134, 014026. | 2.5 | 73 |
| 153 | Investigation of inter-ELM pedestal profiles in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2009, 51, 124057. | 2.1 | 24 |
| 154 | Modelling of measured tungsten spectra from ASDEX Upgrade and predictions for ITER. Plasma Physics and Controlled Fusion, 2008, 50, 085016. | 2.1 | 259 |
| 155 | Plasma shut-down with fast impurity puff on ASDEX Upgrade. Nuclear Fusion, 2007, 47, 023. | 3.5 | 88 |
| 156 | Particle and impurity transport in the Axial Symmetric Divertor Experiment Upgrade and the Joint European Torus, experimental observations and theoretical understanding. Physics of Plasmas, 2007, 14, 055905. | 1.9 | 52 |
| 157 | Plasma wall interaction and its implication in an all tungsten divertor tokamak. Plasma Physics and Controlled Fusion, 2007, 49, B59-B70. | 2.1 | 110 |
| 158 | Spectroscopic investigation of carbon migration with tungsten walls in ASDEX Upgrade. Journal of Nuclear Materials, 2007, 363-365, 60-65. | 2.7 | 19 |
| 159 | Final steps to an all tungsten divertor tokamak. Journal of Nuclear Materials, 2007, 363-365, 52-59. | 2.7 | 80 |
| 160 | Tungsten erosion at the ICRH limiters in ASDEX Upgrade. Journal of Nuclear Materials, 2007, 363-365, 112-116. | 2.7 | 50 |
| 161 | Compatibility of ICRF antennas with W-coated limiters for different plasma geometries in ASDEX Upgrade. Journal of Nuclear Materials, 2007, 363-365, 122-126. | 2.7 | 17 |
| 162 | Operational conditions in a W-clad tokamak. Journal of Nuclear Materials, 2007, 367-370, 1497-1502. | 2.7 | 45 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Integrated exhaust control with divertor parameter feedback and pellet ELM pacemaking in ASDEX Upgrade. <i>Journal of Nuclear Materials</i> , 2005, 337-339, 732-736. | 2.7 | 48 |
| 164 | Plasma surface interaction with tungsten in ASDEX Upgrade. <i>Journal of Nuclear Materials</i> , 2005, 337-339, 852-856. | 2.7 | 25 |
| 165 | Carbon erosion and a C-H layer formation at ASDEX Upgrade. <i>Journal of Nuclear Materials</i> , 2005, 337-339, 847-851. | 2.7 | 20 |
| 166 | Local 3D perturbation experiments for probing the ELM stability. <i>European Physical Journal D</i> , 2005, 55, 1557-1567. | 0.4 | 1 |
| 167 | Integrated exhaust scenarios with actively controlled ELMs. <i>Nuclear Fusion</i> , 2005, 45, 502-511. | 3.5 | 46 |
| 168 | Tokamak operation with high-Z plasma facing components. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, B207-B222. | 2.1 | 102 |
| 169 | Disentangling the emissions of highly ionized tungsten in the range 4-14 nm. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 3071-3082. | 1.5 | 81 |
| 170 | Overview of ASDEX Upgrade results and development of integrated operating scenarios for ITER. <i>Nuclear Fusion</i> , 2005, 45, S98-S108. | 3.5 | 28 |
| 171 | Tungsten: an option for divertor and main chamber plasma facing components in future fusion devices. <i>Nuclear Fusion</i> , 2005, 45, 209-218. | 3.5 | 209 |
| 172 | Carbon Erosion and Migration in Fusion Devices. <i>Physica Scripta</i> , 2004, T111, 55. | 2.5 | 18 |
| 173 | Study of quiescent H-mode plasmas in ASDEX Upgrade. <i>Plasma Physics and Controlled Fusion</i> , 2004, 46, A151-A156. | 2.1 | 43 |
| 174 | Material Transport in ASDEX Upgrade. <i>Physica Scripta</i> , 2004, T111, 49. | 2.5 | 11 |
| 175 | ELM-free stationary H-mode plasmas in the ASDEX Upgrade tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, 1399-1416. | 2.1 | 99 |
| 176 | Edge transport and its interconnection with main chamber recycling in ASDEX Upgrade. <i>Nuclear Fusion</i> , 2003, 43, 573-578. | 3.5 | 53 |
| 177 | Carbon influx studies in the main chamber of ASDEX Upgrade. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, 1873-1892. | 2.1 | 18 |
| 178 | The ASDEX Upgrade divertor is a closed divertor for strongly shaped plasmas. <i>Nuclear Fusion</i> , 2003, 43, 1191-1196. | 3.5 | 17 |