## Wolfgang Suttrop

List of Publications by Year in descending order

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | First Observation of Edge Localized Modes Mitigation with Resonant and Nonresonant Magnetic<br>Perturbations in ASDEX Upgrade. Physical Review Letters, 2011, 106, 225004.                            | 7.8 | 428       |
| 2  | Plasma rotation profile measurements using Doppler reflectometry. Plasma Physics and Controlled Fusion, 2004, 46, 951-970.  | 2.1 | 205       |
| 3  | ELM pace making and mitigation by pellet injection in ASDEX Upgrade. Nuclear Fusion, 2004, 44, 665-677.   | 3.5 | 200       |
| 4  | Nitrogen donors in 4Hâ€silicon carbide. Journal of Applied Physics, 1993, 73, 3332-3338.  | 2.5 | 196       |
| 5  | Identification of plasma-edge-related operational regime boundaries and the effect of edge instability<br>on confinement in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 1997, 39, 2051-2066. | 2.1 | 190       |
| 6  | Integrated Data Analysis of Profile Diagnostics at ASDEX Upgrade. Fusion Science and Technology, 2010, 58, 675-684.   | 1.1 | 185       |
| 7  | The physics of large and small edge localized modes. Plasma Physics and Controlled Fusion, 2000, 42, A1-A14.  | 2.1 | 166       |
| 8  | Hall effect and infrared absorption measurements on nitrogen donors in 6Hâ€silicon carbide. Journal of Applied Physics, 1992, 72, 3708-3713.  | 2.5 | 158       |
| 9  | Overview on plasma operation with a full tungsten wall in ASDEX Upgrade. Journal of Nuclear<br>Materials, 2013, 438, S34-S41.   | 2.7 | 156       |
| 10 | Characteristics and scaling of energy and particle losses during Type I ELMs in JET H-modes. Plasma<br>Physics and Controlled Fusion, 2002, 44, 1815-1844.  | 2.1 | 153       |
| 11 | Observation of Continuous Divertor Detachment inH-Mode Discharges in ASDEX Upgrade. Physical<br>Review Letters, 1995, 74, 4217-4220.  | 7.8 | 152       |
| 12 | Improved performance of ELMy H-modes at high density by plasma shaping in JET. Plasma Physics and<br>Controlled Fusion, 2002, 44, 1769-1799.  | 2.1 | 138       |
| 13 | Boron-related deep centers in 6H-SiC. Applied Physics A: Solids and Surfaces, 1990, 51, 231-237.  | 1.4 | 124       |
| 14 | Experimental studies of electron transport. Plasma Physics and Controlled Fusion, 2001, 43, A323-A338.  | 2.1 | 123       |
| 15 | The impact of ELMs on the ITER divertor. Journal of Nuclear Materials, 1999, 266-269, 109-117.  | 2.7 | 121       |
| 16 | High-accuracy characterization of the edge radial electric field at ASDEX Upgrade. Nuclear Fusion, 2013, 53, 053005.  | 3.5 | 117       |
| 17 | ELM divertor peak energy fluence scaling to ITER with data from JET, MAST and ASDEX upgrade. Nuclear Materials and Energy, 2017, 12, 84-90.   | 1.3 | 116       |
| 18 | Survey of the H-mode power threshold and transition physics studies in ASDEX Upgrade. Nuclear Fusion, 2013, 53, 113003.   | 3.5 | 105       |

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|----|--|-----|-----------|
| 19 | Characterization of pedestal parameters and edge localized mode energy losses in the Joint European<br>Torus and predictions for the International Thermonuclear Experimental Reactor. Physics of Plasmas,<br>2004, 11, 2668-2678. | 1.9 | 104       |
| 20 | ELM-free stationary H-mode plasmas in the ASDEX Upgrade tokamak. Plasma Physics and Controlled Fusion, 2003, 45, 1399-1416.  | 2.1 | 99        |
| 21 | ELM control strategies and tools: status and potential for ITER. Nuclear Fusion, 2013, 53, 043004.   | 3.5 | 98        |
| 22 | Studies of the â€~Quiescent H-mode' regime in ASDEX Upgrade and JET. Nuclear Fusion, 2005, 45, 721-730.  | 3.5 | 97        |
| 23 | 2D electron cyclotron emission imaging at ASDEX Upgrade (invited). Review of Scientific Instruments, 2010, 81, 10D929.   | 1.3 | 93        |
| 24 | Measurements and modeling of Alfvén eigenmode induced fast ion transport and loss in DIII-D and ASDEX Upgrade. Physics of Plasmas, 2011, 18, .   | 1.9 | 90        |
| 25 | Pedestal conditions for small ELM regimes in tokamaks. Plasma Physics and Controlled Fusion, 2006, 48, A171-A181.  | 2.1 | 88        |
| 26 | Effect of resonant magnetic perturbations on low collisionality discharges in MAST and a comparison with ASDEX Upgrade. Nuclear Fusion, 2015, 55, 043011.  | 3.5 | 85        |
| 27 | Effects of triangularity on confinement, density limit and profile stiffness of H-modes on ASDEX upgrade. Plasma Physics and Controlled Fusion, 2000, 42, A211-A216.   | 2.1 | 77        |
| 28 | Experimental conditions to suppress edge localised modes by magnetic perturbations in the ASDEX<br>Upgrade tokamak. Nuclear Fusion, 2018, 58, 096031.  | 3.5 | 73        |
| 29 | In-vessel saddle coils for MHD control in ASDEX Upgrade. Fusion Engineering and Design, 2009, 84, 290-294.   | 1.9 | 72        |
| 30 | Studies of edge localized mode mitigation with new active in-vessel saddle coils in ASDEX Upgrade.<br>Plasma Physics and Controlled Fusion, 2011, 53, 124014.  | 2.1 | 71        |
| 31 | Fast-ion losses induced by ELMs and externally applied magnetic perturbations in the ASDEX Upgrade tokamak. Plasma Physics and Controlled Fusion, 2013, 55, 124014.  | 2.1 | 65        |
| 32 | Advances in the physics understanding of ELM suppression using resonant magnetic perturbations in DIII-D. Nuclear Fusion, 2015, 55, 023002.  | 3.5 | 62        |
| 33 | Calculated and measured uv reflectivity of SiC polytypes. Physical Review B, 1994, 50, 10722-10726.  | 3.2 | 60        |
| 34 | Frequency control of type-I ELMs by magnetic triggering in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2004, 46, L31-L39.   | 2.1 | 59        |
| 35 | Effect of plasma shape variation on ELMs and H-mode pedestal properties in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2000, 42, A97-A102.  | 2.1 | 58        |
| 36 | ELM control with RMP: plasma response models and the role of edge peeling response. Plasma Physics and Controlled Fusion, 2016, 58, 114005.  | 2.1 | 58        |

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|----|--|-----|-----------|
| 37 | Experimental studies of high-confinement mode plasma response to non-axisymmetric magnetic perturbations in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2017, 59, 014049.                                   | 2.1 | 55        |
| 38 | Non-linear modeling of the plasma response to RMPs in ASDEX Upgrade. Nuclear Fusion, 2017, 57, 022013.   | 3.5 | 54        |
| 39 | Tearing mode formation and radiative edge cooling prior to density limit disruptions in ASDEX upgrade. Nuclear Fusion, 1997, 37, 119-125.  | 3.5 | 53        |
| 40 | Confinement and transport studies of conventional scenarios in ASDEX Upgrade. Nuclear Fusion, 2001, 41, 537-550.   | 3.5 | 51        |
| 41 | Energy and particle losses during type-I ELMy H-mode in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2003, 45, 1571-1596.  | 2.1 | 51        |
| 42 | l-mode studies at ASDEX Upgrade: L-I and I-H transitions, pedestal and confinement properties. Nuclear<br>Fusion, 2017, 57, 016004.  | 3.5 | 51        |
| 43 | Optical reflectivity of 3C and 4Hâ€SiC polytypes: Theory and experiment. Applied Physics Letters, 1993, 63, 2747-2749.   | 3.3 | 49        |
| 44 | Overview of ASDEX Upgrade results. Nuclear Fusion, 1999, 39, 1321-1336.  | 3.5 | 47        |
| 45 | 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        |
| 46 | Fast-ion redistribution and loss due to edge perturbations in the ASDEX Upgrade, DIII-D and KSTAR tokamaks. Nuclear Fusion, 2013, 53, 123008.  | 3.5 | 47        |
| 47 | Integrated exhaust scenarios with actively controlled ELMs. Nuclear Fusion, 2005, 45, 502-511.   | 3.5 | 46        |
| 48 | Pedestal width and ELM size identity studies in JET and DIII-D; implications for ITER. Plasma Physics and Controlled Fusion, 2009, 51, 124051.   | 2.1 | 44        |
| 49 | Comparative investigation of ELM control based on toroidal modelling of plasma response to RMP fields. Physics of Plasmas, 2017, 24, .   | 1.9 | 44        |
| 50 | Study of quiescent H-mode plasmas in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2004, 46,<br>A151-A156.  | 2.1 | 43        |
| 51 | Plasma response measurements of external magnetic perturbations using electron cyclotron emission<br>and comparisons to 3D ideal MHD equilibrium. Plasma Physics and Controlled Fusion, 2016, 58, 114004.            | 2.1 | 43        |
| 52 | Runaway electron mitigation by 3D fields in the ASDEX-Upgrade experiment. Plasma Physics and<br>Controlled Fusion, 2018, 60, 014036.   | 2.1 | 42        |
| 53 | Toroidal modelling of resonant magnetic perturbations response in ASDEX-Upgrade: coupling between<br>field pitch aligned response and kink amplification. Plasma Physics and Controlled Fusion, 2015, 57,<br>095008. | 2.1 | 40        |
| 54 | Characterization of the density profile collapse of type I ELMs in ASDEX Upgrade with high temporal and spatial resolution reflectometry. Nuclear Fusion, 2004, 44, 883-891.   | 3.5 | 38        |

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|----|---|-----|-----------|
| 55 | Performance near operational boundaries. Plasma Physics and Controlled Fusion, 1999, 41, B329-B341.   | 2.1 | 37        |
| 56 | High-density H-mode operation by pellet injection and ELM mitigation with the new active in-vessel saddle coils in ASDEX Upgrade. Nuclear Fusion, 2012, 52, 023017.   | 3.5 | 37        |
| 57 | Active control of Alfvén eigenmodes in magnetically confined toroidal plasmas. Plasma Physics and Controlled Fusion, 2019, 61, 054007.  | 2.1 | 37        |
| 58 | Radiative boundary discharges with impurity injection and the H - L transition in ASDEX Upgrade.<br>Plasma Physics and Controlled Fusion, 1996, 38, 2097-2112.  | 2.1 | 36        |
| 59 | Overview of ASDEX Upgrade results. Nuclear Fusion, 2013, 53, 104003.  | 3.5 | 36        |
| 60 | The effect of plasma shape and neutral beam mix on the rotation threshold for RMP-ELM suppression.<br>Nuclear Fusion, 2019, 59, 056012.   | 3.5 | 35        |
| 61 | 2D ECE measurements of type-I edge localized modes at ASDEX Upgrade. Nuclear Fusion, 2011, 51, 103039.  | 3.5 | 33        |
| 62 | Impact of magnetic perturbation coils on the edge radial electric field and turbulence in ASDEX<br>Upgrade. Plasma Physics and Controlled Fusion, 2015, 57, 014035.   | 2.1 | 31        |
| 63 | Impact of ideal MHD stability limits on high-beta hybrid operation. Plasma Physics and Controlled Fusion, 2017, 59, 014027.   | 2.1 | 31        |
| 64 | Understanding the effect resonant magnetic perturbations have on ELMs. Plasma Physics and Controlled Fusion, 2013, 55, 124003.  | 2.1 | 30        |
| 65 | Characterisation of the fast-ion edge resonant transport layer induced by 3D perturbative fields in the ASDEX Upgrade tokamak through full orbit simulations. Plasma Physics and Controlled Fusion, 2019, 61, 014038. | 2.1 | 30        |
| 66 | Toroidal modelling of RMP response in ASDEX Upgrade: coil phase scan, q <sub>95</sub> dependence,<br>and toroidal torques. Nuclear Fusion, 2016, 56, 056015.  | 3.5 | 28        |
| 67 | Heat flux pattern in detached L-modes and ELM mitigated H-modes with rotating magnetic perturbations in ASDEX Upgrade. Nuclear Fusion, 2017, 57, 116006.  | 3.5 | 28        |
| 68 | Overview of ASDEX Upgrade results. Nuclear Fusion, 2011, 51, 094012.  | 3.5 | 27        |
| 69 | Three-dimensional distortions of the tokamak plasma boundary: boundary displacements in the presence of resonant magnetic perturbations. Nuclear Fusion, 2014, 54, 083006.  | 3.5 | 27        |
| 70 | Field-Line Localized Destabilization of Ballooning Modes in Three-Dimensional Tokamaks. Physical<br>Review Letters, 2017, 119, 085002.  | 7.8 | 27        |
| 71 | Heat transport driven by the ion temperature gradient and electron temperature gradient instabilities in ASDEX Upgrade H-modes. Nuclear Fusion, 2019, 59, 096052.   | 3.5 | 27        |
| 72 | Influence of externally applied magnetic perturbations on neoclassical tearing modes at ASDEX Upgrade. Nuclear Fusion, 2015, 55, 013018.  | 3.5 | 26        |

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|----|---|-----|-----------|
| 73 | Modelling plasma response to RMP fields in ASDEX Upgrade with varying edge safety factor and triangularity. Nuclear Fusion, 2016, 56, 126007.                                       | 3.5 | 26        |
| 74 | Operational limits for high edge density H-mode tokamak operation. Journal of Nuclear Materials, 1999, 266-269, 118-123.  | 2.7 | 25        |
| 75 | Spatiotemporal response of plasma edge density and temperature to non-axisymmetric magnetic perturbations at ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2012, 54, 115008. | 2.1 | 25        |
| 76 | Characteristics of edge localized modes in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 1996, 38, 1407-1410.  | 2.1 | 24        |
| 77 | ITER-relevant H-mode physics at ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2004, 46, B511-B525.   | 2.1 | 24        |
| 78 | Analysis of electron cyclotron emission with extended electron cyclotron forward modeling. Plasma<br>Physics and Controlled Fusion, 2018, 60, 105010.                               | 2.1 | 24        |
| 79 | Divertor heat load in ASDEX Upgrade L-mode in presence of external magnetic perturbation. Plasma<br>Physics and Controlled Fusion, 2017, 59, 095006.                                | 2.1 | 24        |
| 80 | Electro-magnetic modeling of the planned active in-vessel coils at ASDEX Upgrade. Fusion Engineering and Design, 2009, 84, 1653-1657.   | 1.9 | 22        |
| 81 | L–H transition in the presence of magnetic perturbations in ASDEX Upgrade. Nuclear Fusion, 2012, 52, 114014.  | 3.5 | 22        |
| 82 | Effects of type-I edge-localized modes on transport in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 1998, 40, 771-774.  | 2.1 | 21        |
| 83 | Mitigation of edge localised modes with magnetic perturbations in ASDEX Upgrade. Fusion Engineering and Design, 2013, 88, 446-453.  | 1.9 | 19        |
| 84 | Modification of scrape-off layer transport and turbulence by non-axisymmetric magnetic perturbations in ASDEX Upgrade. Journal of Nuclear Materials, 2013, 438, S64-S71.            | 2.7 | 18        |
| 85 | Effect of 3D magnetic perturbations on the plasma rotation in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2016, 58, 074007.  | 2.1 | 18        |
| 86 | Three dimensional boundary displacement due to stable ideal kink modes excited by external n = 2<br>magnetic perturbations. Nuclear Fusion, 2017, 57, 116047.                       | 3.5 | 18        |
| 87 | Intermittent transport across the scrape-off layer: latest results from ASDEX Upgrade. Nuclear Fusion, 2013, 53, 073047.  | 3.5 | 17        |
| 88 | Design and stress analysis of in-vessel saddle coils for MHD control in ASDEX Upgrade. Fusion<br>Engineering and Design, 2009, 84, 1928-1932.                                       | 1.9 | 16        |
| 89 | Beam-Ion Acceleration during Edge Localized Modes in the ASDEX Upgrade Tokamak. Physical Review Letters, 2018, 121, 025002.   | 7.8 | 16        |
| 90 | Deformation measurement of internal components of ASDEX Upgrade using optical strain sensors.<br>Fusion Engineering and Design, 2013, 88, 537-540.                                  | 1.9 | 15        |

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|-----|---|-----|-----------|
| 91  | Quasilinear modelling of RMP interaction with a tokamak plasma: application to ASDEX Upgrade ELM mitigation experiments. Nuclear Fusion, 2014, 54, 064005.                                      | 3.5 | 15        |
| 92  | Fully pellet-controlled ELMs sustaining identical pedestal conditions of natural ELMy H-mode in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2004, 46, A315-A321.                       | 2.1 | 14        |
| 93  | Characterization of broadband MHD fluctuations during type-II edge localized modes as measured in 2D with ECE-imaging at ASDEX Upgrade. Nuclear Fusion, 2012, 52, 114004.                       | 3.5 | 14        |
| 94  | Pellet refuelling of particle loss due to ELM mitigation with RMPs in the ASDEX Upgrade tokamak at<br>low collisionality. Nuclear Fusion, 2016, 56, 066009.                                     | 3.5 | 14        |
| 95  | Physics and scaling of the H-mode transition in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 1999, 41, A569-A576.   | 2.1 | 13        |
| 96  | Dual array 3D electron cyclotron emission imaging at ASDEX Upgrade. Review of Scientific<br>Instruments, 2014, 85, 11D833.  | 1.3 | 13        |
| 97  | Electrical design of the BUSSARD inverter system for ASDEX upgrade saddle coils. Fusion Engineering and Design, 2015, 96-97, 171-176.   | 1.9 | 13        |
| 98  | Parameter dependence of ELM loss reduction by magnetic perturbations at low pedestal density and collisionality in ASDEX upgrade. Plasma Physics and Controlled Fusion, 2017, 59, 055004.       | 2.1 | 13        |
| 99  | 2D heat flux in ASDEX Upgrade L-Mode with magnetic perturbation. Nuclear Materials and Energy, 2017, 12, 1020-1024.   | 1.3 | 13        |
| 100 | Progress in extrapolating divertor heat fluxes towards large fusion devices. Physica Scripta, 2017,<br>T170, 014071.  | 2.5 | 13        |
| 101 | Assessment of divertor heat load with and without external magnetic perturbation. Nuclear Fusion, 2017, 57, 066045.   | 3.5 | 12        |
| 102 | Targeting a Versatile Actuator for EU-DEMO: Xenon Doping of Fueling Pellets. Fusion Science and<br>Technology, 2021, 77, 42-50.   | 1.1 | 12        |
| 103 | Pedestal electron collisionality and toroidal rotation during ELM-crash suppression phase under<br><i>n</i> = 1 RMP in KSTAR. Physics of Plasmas, 2020, 27, .                                   | 1.9 | 12        |
| 104 | Runaway electrons in a Tokamak: A free-electron maser. Review of Scientific Instruments, 1997, 68,<br>423-426.  | 1.3 | 11        |
| 105 | A detailed comparison of antenna impedance measurements on ASDEX Upgrade with the ion cyclotron range of frequencies antenna code TOPICA. Nuclear Fusion, 2015, 55, 113003.                     | 3.5 | 11        |
| 106 | Regime identification in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2004, 46, 835-856.  | 2.1 | 10        |
| 107 | Autoregressive moving average model for analyzing edge localized mode time series on Axially<br>Symmetric Divertor Experiment (ASDEX) Upgrade tokamak. Physics of Plasmas, 2004, 11, 5658-5667. | 1.9 | 10        |
| 108 | Surface loads and edge fast ion distribution for co- and counter-injection in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2007, 49, 151-174.   | 2.1 | 9         |

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|-----|--|------------|----------------|
| 109 | Radiation transport modelling for the interpretation of oblique ECE measurements. EPJ Web of Conferences, 2017, 147, 02002.  | 0.3        | 9              |
| 110 | Density control by pellets in plasmas with ELM mitigation by RMPs in the ASDEX Upgrade tokamak.<br>Plasma Physics and Controlled Fusion, 2018, 60, 085013.   | 2.1        | 9              |
| 111 | Dynamics of ideal modes and subsequent ELM crashes in 3D tokamak geometry from external magnetic perturbations. Plasma Physics and Controlled Fusion, 2019, 61, 014019.                                    | 2.1        | 8              |
| 112 | Effect of magnetic perturbations for ELM control on divertor power loads, detachment and<br>consequences of field penetration in ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2019, 61,<br>014008. | 2.1        | 8              |
| 113 | Conceptual design of the power supply system for the in-vessel saddle coils for MHD control in ASDEX Upgrade. Fusion Engineering and Design, 2011, 86, 1488-1492.  | 1.9        | 7              |
| 114 | Recent progress in understanding the L–H transition physics from ASDEX Upgrade. Plasma Physics and<br>Controlled Fusion, 2012, 54, 124002.   | 2.1        | 7              |
| 115 | The role of temperature fluctuations in the dynamics of type-I and type-II edge localized modes at ASDEX Upgrade. Nuclear Fusion, 2013, 53, 073005.  | 3.5        | 7              |
| 116 | MHD limits and plasma response in high-beta hybrid operations in ASDEX Upgrade. Nuclear Fusion, 2017, 57, 116027.  | 3.5        | 7              |
| 117 | ICRF coupling in ASDEX upgrade magnetically perturbed 3D plasmas. Plasma Physics and Controlled Fusion, 2019, 61, 125019.  | 2.1        | 7              |
| 118 | Observation of accelerated beam ion population during edge localized modes in the ASDEX Upgrade tokamak. Nuclear Fusion, 2019, 59, 066016.   | 3.5        | 7              |
| 119 | Numerically derived parametrisation of optimal RMP coil phase as a guide to experiments on ASDEX<br>Upgrade. Plasma Physics and Controlled Fusion, 2017, 59, 024005.                                       | 2.1        | 6              |
| 120 | Investigation of the coupling properties of the ion cyclotron fast wave under applied magnetic perturbations and MHD phenomena in ASDEX Upgrade. EPJ Web of Conferences, 2017, 157, 03051.                 | 0.3        | 6              |
| 121 | Dependence of the L–H power threshold on the alignment of external non-axisymmetric magnetic perturbations in ASDEX Upgrade. Physics of Plasmas, 2022, 29, .   | 1.9        | 6              |
| 122 | Pedestal Characteristics of H-Mode Plasmas in JT-60U and ASDEX Upgrade. Journal of Plasma and Fusion<br>Research, 2005, 81, 280-287.   | 0.4        | 5              |
| 123 | Conceptual design of in vessel mid-plane saddle coils for fast AC operation in ASDEX Upgrade. Fusion Engineering and Design, 2011, 86, 1067-1071.  | 1.9        | 5              |
| 124 | Determination of the stochastic layer properties induced by magnetic perturbations via heat pulse experiments at ASDEX upgrade. Nuclear Materials and Energy, 2017, 12, 831-837.                           | 1.3        | 5              |
| 125 | Impact of n  =  1 field on the non-axisymmetric magnetic perturbations associated with the edg<br>mode crashes in the ASDEX Upgrade tokamak. Nuclear Fusion, 2019, 59, 054002.                             | e localize | d <sub>5</sub> |
| 126 | Compatibility of pellet fuelling with ELM suppression by RMPs in the ASDEX Upgrade tokamak. Nuclear Fusion, 2020, 60, 054006.  | 3.5        | 5              |

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|-----|--|-----|-----------|
| 127 | Power inverter design for ASDEX Upgrade saddle coils. Fusion Engineering and Design, 2013, 88, 1469-1474.  | 1.9 | 4         |
| 128 | The DC-link of the inverter system BUSSARD for ASDEX Upgrade in vessel saddle coils. Fusion Engineering and Design, 2017, 124, 40-44.  | 1.9 | 4         |
| 129 | Numerical survey of predicted peeling response in edge localised mode mitigated and suppressed phases on ASDEX upgrade. Plasma Physics and Controlled Fusion, 2019, 61, 095010.  | 2.1 | 4         |
| 130 | Influence of triangularity on the plasma response to resonant magnetic perturbations. Nuclear Fusion, 2022, 62, 076031.  | 3.5 | 4         |
| 131 | Effect of radial electric field and ripple on edge neutral beam ion distribution in ASDEX Upgrade.<br>Plasma Physics and Controlled Fusion, 2008, 50, 035014.  | 2.1 | 3         |
| 132 | Investigations on the edge kinetic data in regimes with type-I and mitigated ELMs at ASDEX Upgrade.<br>Nuclear Fusion, 2014, 54, 093011.   | 3.5 | 3         |
| 133 | Characterization of Scrapeâ€Off Layer Turbulence Changes Induced by a Nonâ€Axisymmetric Magnetic<br>Perturbation in an ASDEX Upgrade Low Density Lâ€Mode. Contributions To Plasma Physics, 2014, 54,<br>261-266.           | 1.1 | 3         |
| 134 | Study of the ELM fluctuation characteristics during the mitigation of type-I ELMs. Nuclear Fusion, 2015, 55, 083018.   | 3.5 | 3         |
| 135 | Optimizing BUSSARD: The new 16-phase inverter system of ASDEX upgrade. Fusion Engineering and Design, 2017, 124, 141-146.  | 1.9 | 3         |
| 136 | Experimental validation of coil phase parametrisation on ASDEX Upgrade, and extension to ITER. Plasma<br>Physics and Controlled Fusion, 2018, 60, 065005.  | 2.1 | 3         |
| 137 | Improved measurements of ICRF antenna input impedance at ASDEX Upgrade during ICRF coupling studies. , 2014, , .   |     | 2         |
| 138 | Electrical and mechanical adaptation of commercially available power inverter modules for BUSSARD<br>– The power supply of ASDEX Upgrade in vessel saddle coils. Fusion Engineering and Design, 2015, 98-99,<br>1144-1147. | 1.9 | 2         |
| 139 | Effect of magnetic perturbation fields on power decay length in EMC3-EIRENE simulations and comparison to experiment in ASDEX upgrade. Nuclear Materials and Energy, 2019, 19, 205-210.                                    | 1.3 | 2         |
| 140 | Identification of {2110} and {1010} Laue patterns of hexagonal and rhombohedral silicon carbide polytypes. Journal of Applied Crystallography, 1994, 27, 497-503.  | 4.5 | 1         |
| 141 | The ASDEX Upgrade Program Targeting Gaps to Fusion Energy. IEEE Transactions on Plasma Science, 2016, 44, 1472-1480.   | 1.3 | 1         |
| 142 | BUSSARD — The high current high bandwidth multiple-phases inverter for ASDEX upgrade. , 2017, , .  |     | 1         |
| 143 | Fast-ion transport and toroidal rotation response to externally applied magnetic perturbations at the ASDEX Upgrade tokamak. Nuclear Fusion, 0, , .  | 3.5 | 1         |
| 144 | Power inverter design for magnetic perturbation coils in nuclear fusion experiments. , 2013, , .   |     | 0         |

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