

# Xue-qiao Xu

## List of Publications by Year in descending order

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| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Edge-localized-mode simulation in CFETR steady-state scenario. Nuclear Fusion, 2022, 62, 016008.  | 3.5 | 3         |
| 2  | Fluid turbulence simulations of divertor heat load for ITER hybrid scenario using BOUT++. Nuclear Fusion, 2022, 62, 026024.   | 3.5 | 4         |
| 3  | Prediction of divertor heat flux width for ITER pre-fusion power operation using BOUT++ transport code. Nuclear Fusion, 2022, 62, 056003.   | 3.5 | 2         |
| 4  | A new discovery of edge localized modes suppression using ICRH. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.   | 5.1 | 0         |
| 5  | Numerical modeling of pedestal stability and broadband turbulence of wide-pedestal QH-mode plasmas on DIII-D. Nuclear Fusion, 2022, 62, 076033.   | 3.5 | 3         |
| 6  | Kinetic Landau-fluid closures of non-Maxwellian distributions. Physics of Plasmas, 2022, 29, .  | 1.9 | 1         |
| 7  | Simulation study of particle transport by weakly coherent mode in the Alcator C-Mod tokamak. Nuclear Fusion, 2022, 62, 086018.  | 3.5 | 3         |
| 8  | Edge localized mode characteristics and divertor heat flux during stationary and transient phase for CFETR hybrid scenario. Plasma Physics and Controlled Fusion, 2021, 63, 035006.               | 2.1 | 9         |
| 9  | Simulations of heat fluxes in an ELMy H-mode discharge on HL-2A. AIP Advances, 2021, 11, 035334.  | 1.3 | 2         |
| 10 | Asynchronous and Load-Balanced Union-Find for Distributed and Parallel Scientific Data Visualization and Analysis. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 2808-2820. | 4.4 | 3         |
| 11 | Drift reduced Landau fluid model for magnetized plasma turbulence simulations in BOUT++ framework. Computer Physics Communications, 2021, 267, 108079.  | 7.5 | 20        |
| 12 | Impact of plasma density/collisionality on divertor heat flux width. Nuclear Fusion, 2021, 61, 026005.  | 3.5 | 14        |
| 13 | Modeling of small tungsten dust grains in EAST tokamak with NDS-BOUT++. Physics of Plasmas, 2021, 28, .   | 1.9 | 3         |
| 14 | Generalized slab universal instability and its appearance in pair plasma. Physics of Plasmas, 2020, 27, 102104.   | 1.9 | 1         |
| 15 | Deep learning surrogate model for kinetic Landau-fluid closure with collision. AIP Advances, 2020, 10, .  | 1.3 | 12        |
| 16 | Excitation of zonal flow by nonlinear geodesic acoustic mode. Physics of Plasmas, 2020, 27, 034501.   | 1.9 | 5         |
| 17 | Impact of equilibrium radial electric field on energy loss process after pedestal collapse. Contributions To Plasma Physics, 2020, 60, e201900158.  | 1.1 | 1         |
| 18 | Identification of Plasma Current Center by Neural Network Inference in EAST. IEEE Transactions on Plasma Science, 2020, 48, 54-60.  | 1.3 | 2         |

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|----|---|-----|-----------|
| 19 | Modelling of nanometer scale dust grains in tokamak. Contributions To Plasma Physics, 2020, 60, e201900136.   | 1.1 | 1         |
| 20 | Achieving a robust grassy-ELM operation regime in CFETR. Nuclear Fusion, 2020, 60, 046014.  | 3.5 | 11        |
| 21 | Simulations of divertor heat flux width using transport code with cross-field drifts under the BOUT++ framework. AIP Advances, 2020, 10, .                | 1.3 | 14        |
| 22 | Machine learning surrogate models for Landau fluid closure. Physics of Plasmas, 2020, 27, .   | 1.9 | 21        |
| 23 | Global geodesic acoustic mode in an ideal magnetohydrodynamic tokamak plasma. Physics of Plasmas, 2020, 27, 042504.                                       | 1.9 | 5         |
| 24 | Simulation of EAST edge plasma using SOLPS-ITER/BOUT++ coupling. Nuclear Fusion, 2020, 60, 106015.  | 3.5 | 2         |
| 25 | Simulations of tokamak boundary plasma turbulence transport in setting the divertor heat flux width. Nuclear Fusion, 2019, 59, 126039.                    | 3.5 | 43        |
| 26 | Edge state selection by modulating $E \times B$ shearing profile in toroidally confined plasmas. Physics of Plasmas, 2019, 26, 052508.                    | 1.9 | 4         |
| 27 | Interplay between fluctuation driven toroidal axisymmetric flows and resistive ballooning mode turbulence. Physics of Plasmas, 2019, 26, .                | 1.9 | 6         |
| 28 | Promising High-Confinement Regime for Steady-State Fusion. Physical Review Letters, 2019, 122, 255001.  | 7.8 | 43        |
| 29 | BOUT++ nonlinear simulation for a comparative study with the measured 2D ELM structures in the KSTAR H-mode plasma. Physics of Plasmas, 2019, 26, 052502. | 1.9 | 11        |
| 30 | A Landau-fluid closure for arbitrary frequency response. AIP Advances, 2019, 9, .   | 1.3 | 11        |
| 31 | Self-consistent simulation of transport and turbulence in tokamak edge plasma by coupling SOLPS-ITER and BOUT++. Physics of Plasmas, 2019, 26, .          | 1.9 | 12        |
| 32 | Electromagnetic effect on geodesic acoustic mode with adiabatic electrons. Physics of Plasmas, 2019, 26, .  | 1.9 | 6         |
| 33 | Extension of Landau-fluid closure to weakly collisional plasma regime. Computer Physics Communications, 2019, 236, 128-134.                               | 7.5 | 7         |
| 34 | Impurity Migration Pattern Simulated by Test Particle Module Under BOUT++ Framework. Communications in Computational Physics, 2019, 26, 913-927.          | 1.7 | 2         |
| 35 | Ideal MHD stability and characteristics of edge localized modes on CFETR. Nuclear Fusion, 2018, 58, 016018.   | 3.5 | 10        |
| 36 | Calculation of two-dimension radial electric field in boundary plasmas by using BOUT++. Computer Physics Communications, 2018, 228, 69-82.                | 7.5 | 16        |

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|----|--|-----|-----------|
| 37 | Calculation of the radial electric field with RF sheath boundary conditions in divertor geometry. Nuclear Fusion, 2018, 58, 026027.  | 3.5 | 6         |
| 38 | Quasi-coherent mode simulation during inter-ELM period in HL-2A. Physics of Plasmas, 2018, 25, 122510.   | 1.9 | 7         |
| 39 | Effect of Hyper-Resistivity on Nonlinear Tearing Modes. Chinese Physics Letters, 2018, 35, 065201.   | 3.3 | 1         |
| 40 | Progress towards modeling tokamak boundary plasma turbulence and understanding its role in setting divertor heat flux widths. Physics of Plasmas, 2018, 25, 055905.                                    | 1.9 | 17        |
| 41 | Impact of bootstrap current and Landau-fluid closure on ELM crashes and transport. Physics of Plasmas, 2018, 25, 050701.   | 1.9 | 2         |
| 42 | Experimental study of heating scheme effect on the inner divertor power footprint widths in EAST lower single null discharges. Plasma Physics and Controlled Fusion, 2018, 60, 045001.                 | 2.1 | 14        |
| 43 | Linear analyses of peeling-ballooning modes in high beta pedestal plasmas. Physics of Plasmas, 2018, 25, 082106.   | 1.9 | 3         |
| 44 | Shaping Effects on Non-Ideal Ballooning Mode. Plasma and Fusion Research, 2018, 13, 3403086-3403086.   | 0.7 | 1         |
| 45 | Numerical investigation on lithium transport in the edge plasma of EAST real-time- Li-injection experiments in the frame of BOUT++. Nuclear Materials and Energy, 2017, 12, 119-123.                   | 1.3 | 4         |
| 46 | Edge turbulence and divertor heat flux width simulations of Alcator C-Mod discharges using an electromagnetic two-fluid model. Nuclear Fusion, 2017, 57, 116025.                                       | 3.5 | 27        |
| 47 | Divertor heat flux simulations in ELMy H-mode discharges of EAST. Nuclear Fusion, 2017, 57, 116016.  | 3.5 | 29        |
| 48 | Impact of $E \times B$ shear flow on low-n MHD instabilities. Physics of Plasmas, 2017, 24, 050704.  | 1.9 | 21        |
| 49 | Physics and performance of the I-mode regime over an expanded operating space on Alcator C-Mod. Nuclear Fusion, 2017, 57, 126039.  | 3.5 | 36        |
| 50 | Dynamics of intrinsic axial flows in unsheared, uniform magnetic fields. Physics of Plasmas, 2016, 23, 052311.   | 1.9 | 13        |
| 51 | The physics mechanisms of the weakly coherent mode in the Alcator C-Mod Tokamak. Physics of Plasmas, 2016, 23, .   | 1.9 | 23        |
| 52 | Toward integrated multi-scale pedestal simulations including edge-localized-mode dynamics, evolution of edge-localized-mode cycles, and continuous fluctuations. Physics of Plasmas, 2016, 23, 055901. | 1.9 | 22        |
| 53 | Benchmark studies of the gyro-Landau-fluid code and gyro-kinetic codes on kinetic ballooning modes. Physics of Plasmas, 2016, 23, 032119.  | 1.9 | 9         |
| 54 | Advanced divertor concept design and analysis for HL-2M. Fusion Engineering and Design, 2016, 112, 450-459.  | 1.9 | 8         |

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|----|---|-----|-----------|
| 55 | Analytical collisionless damping rate of geodesic acoustic mode. Nuclear Fusion, 2016, 56, 106008.  | 3.5 | 6         |
| 56 | Investigations on the heat flux and impurity for the HL-2M divertor. Nuclear Fusion, 2016, 56, 126013.  | 3.5 | 19        |
| 57 | Non-Ideal Ballooning Mode Instability with Real Electron Inertia. Plasma and Fusion Research, 2016, 11, 1203122-1203122.  | 0.7 | 1         |
| 58 | Tokamak Power Exhaust with the Snowflake Divertor: Present Results and Outstanding Issues. Journal of Fusion Energy, 2016, 35, 31-33.   | 1.2 | 1         |
| 59 | Nonlinear fluid simulation of particle and heat fluxes during burst of ELMs on DIII-D with BOUT++ code. Nuclear Fusion, 2015, 55, 113030.   | 3.5 | 38        |
| 60 | Comparisons between tokamak fueling of gas puffing and supersonic molecular beam injection in 2D simulations. Physics of Plasmas, 2015, 22, 012503.                                       | 1.9 | 16        |
| 61 | Impact of inward turbulence spreading on energy loss of edge-localized modes. Physics of Plasmas, 2015, 22, .   | 1.9 | 15        |
| 62 | Flux-driven simulations of turbulence collapse. Physics of Plasmas, 2015, 22, 032505.   | 1.9 | 29        |
| 63 | Impact of relative phase shift on inward turbulent spreading. Physics of Plasmas, 2015, 22, 010702.   | 1.9 | 15        |
| 64 | BOUT++: Recent and current developments. Journal of Plasma Physics, 2015, 81, .   | 2.1 | 49        |
| 65 | Modelling of edge localised modes and edge localised mode control. Physics of Plasmas, 2015, 22, .  | 1.9 | 34        |
| 66 | Effects of magnetic configuration on divertor power and particle deposition for long pulse operation in EAST. Journal of Nuclear Materials, 2015, 463, 528-532.                           | 2.7 | 5         |
| 67 | The impact of pedestal turbulence and electron inertia on edge-localized-mode crashes. Physics of Plasmas, 2014, 21, .  | 1.9 | 19        |
| 68 | Effects of heating power on divertor in-out asymmetry and scrape-off layer flow in reversed field on Experimental Advanced Superconducting Tokamak. Physics of Plasmas, 2014, 21, 122514. | 1.9 | 5         |
| 69 | Impact of the pedestal plasma density on dynamics of edge localized mode crashes and energy loss scaling. Physics of Plasmas, 2014, 21, .   | 1.9 | 30        |
| 70 | Mitigating impact of thermal and rectified radio-frequency sheath potentials on edge localized modes. Physics of Plasmas, 2014, 21, 112302.   | 1.9 | 8         |
| 71 | Linear calculations of edge current driven kink modes with BOUT++ code. Physics of Plasmas, 2014, 21, .   | 1.9 | 21        |
| 72 | Three dimensional nonlinear simulations of edge localized modes on the EAST tokamak using BOUT++ code. Physics of Plasmas, 2014, 21, 090705.  | 1.9 | 11        |

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|----|--|-----|-----------|
| 73 | Recent advances in long-pulse high-confinement plasma operations in Experimental Advanced Superconducting Tokamak. <i>Physics of Plasmas</i> , 2014, 21, 056107.                       | 1.9 | 25        |
| 74 | New Edge Coherent Mode Providing Continuous Transport in Long-Pulse H-mode Plasmas. <i>Physical Review Letters</i> , 2014, 112, 185004.  | 7.8 | 93        |
| 75 | Magnetic configuration flexibility of snowflake divertor for HL-2M. <i>Fusion Engineering and Design</i> , 2014, 89, 2621-2627.  | 1.9 | 23        |
| 76 | Boundary plasma turbulence simulations for tokamaks. <i>Communications in Computational Physics</i> , 2014, , .  | 1.7 | 10        |
| 77 | Fast pedestal, SOL and divertor measurements from DIII-D to validate BOUT++ nonlinear ELM simulations. <i>Journal of Nuclear Materials</i> , 2013, 438, S346-S350.                     | 2.7 | 4         |
| 78 | Gyro-fluid and two-fluid theory and simulations of edge-localized-modes. <i>Physics of Plasmas</i> , 2013, 20, .   | 1.9 | 42        |
| 79 | Five-field simulations of peeling-ballooning modes using BOUT++ code. <i>Physics of Plasmas</i> , 2013, 20, .  | 1.9 | 26        |
| 80 | Impact of a large density gradient on linear and nonlinear edge-localized mode simulations. <i>Nuclear Fusion</i> , 2013, 53, 113020.  | 3.5 | 31        |
| 81 | Influence of equilibrium shear flow on peeling-ballooning instability and edge localized mode crash. <i>Physics of Plasmas</i> , 2012, 19, .   | 1.9 | 65        |
| 82 | ELMy H-mode linear simulation with 3-field model on experimental advanced superconducting tokamak using BOUT++<sc>+. <i>Physics of Plasmas</i> , 2012, 19, .                           | 1.9 | 7         |
| 83 | Linear gyrokinetic analysis of a DIII-D H-mode pedestal near the ideal ballooning threshold. <i>Nuclear Fusion</i> , 2012, 52, 103015.   | 3.5 | 35        |
| 84 | Nonlinear Simulations of Peeling&Ballooning Modes with Parallel Velocity Perturbation. <i>Contributions To Plasma Physics</i> , 2012, 52, 353-359.                                     | 1.1 | 14        |
| 85 | A first-principles predictive model of the pedestal height and width: development, testing and ITER optimization with the EPED model. <i>Nuclear Fusion</i> , 2011, 51, 103016.        | 3.5 | 342       |
| 86 | Simulation of edge localized modes using BOUT++. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 054005.   | 2.1 | 60        |
| 87 | Nonlinear ELM simulations based on a nonideal peeling&ballooning model using the BOUT++ code. <i>Nuclear Fusion</i> , 2011, 51, 103040.  | 3.5 | 65        |
| 88 | Nonlinear Simulations of Peeling-Ballooning Modes with Anomalous Electron Viscosity and their Role in Edge Localized Mode Crashes. <i>Physical Review Letters</i> , 2010, 105, 175005. | 7.8 | 129       |
| 89 | Dependence of the L- to H-mode power threshold on toroidal rotation and the link to edge turbulence dynamics. <i>Nuclear Fusion</i> , 2009, 49, 115016.                                | 3.5 | 70        |
| 90 | BOUT++: A framework for parallel plasma fluid simulations. <i>Computer Physics Communications</i> , 2009, 180, 1467-1480.  | 7.5 | 350       |

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|-----|---|-----|-----------|
| 91  | Status and verification of edge plasma turbulence code BOUT. Computer Physics Communications, 2009, 180, 887-903.   | 7.5 | 43        |
| 92  | Overview of results from the National Spherical Torus Experiment (NSTX). Nuclear Fusion, 2009, 49, 104016.  | 3.5 | 41        |
| 93  | Suite of Verification Test Problems for Edge Turbulence Simulations. Contributions To Plasma Physics, 2008, 48, 27-31.  | 1.1 | 10        |
| 94  | Progress in Kinetic Simulation of Edge Plasmas. Contributions To Plasma Physics, 2008, 48, 212-223.   | 1.1 | 26        |
| 95  | A high-order finite-volume algorithm for Fokker-Planck collisions in magnetized plasmas. Journal of Computational Physics, 2008, 227, 7192-7205.                          | 3.8 | 12        |
| 96  | Experiments and simulation of edge turbulence and filaments in MAST. Plasma Physics and Controlled Fusion, 2008, 50, 124012.  | 2.1 | 60        |
| 97  | Publisher's Note: Neoclassical simulation of tokamak plasmas using the continuum gyrokinetic code TEMPEST [Phys. Rev. E78, 016406 (2008)]. Physical Review E, 2008, 78, . | 2.1 | 1         |
| 98  | Tempest Simulations of Collisionless Damping of the Geodesic-Acoustic Mode in Edge-Plasma Pedestals. Physical Review Letters, 2008, 100, 215001.                          | 7.8 | 63        |
| 99  | Neoclassical simulation of tokamak plasmas using the continuum gyrokinetic code TEMPEST. Physical Review E, 2008, 78, 016406.   | 2.1 | 12        |
| 100 | Edge gyrokinetic theory and continuum simulations. Nuclear Fusion, 2007, 47, 809-816.   | 3.5 | 46        |
| 101 | Theory and fluid simulations of boundary-plasma fluctuations. Nuclear Fusion, 2007, 47, 612-625.  | 3.5 | 22        |
| 102 | Simulation of Fusion Plasmas: Current Status and Future Direction. Plasma Science and Technology, 2007, 9, 312-387.   | 1.5 | 29        |
| 103 | Geometric gyrokinetic theory for edge plasmas. Physics of Plasmas, 2007, 14, 056110.  | 1.9 | 47        |
| 104 | Stability and dynamics of the edge pedestal in the low collisionality regime: physics mechanisms for steady-state ELM-free operation. Nuclear Fusion, 2007, 47, 961-968.  | 3.5 | 216       |
| 105 | General Gyrokinetic Equations for Edge Plasmas. Contributions To Plasma Physics, 2006, 46, 477-489.   | 1.1 | 22        |
| 106 | Structure, stability and ELM dynamics of the H-mode pedestal in DIII-D. Nuclear Fusion, 2005, 45, 1493-1502.  | 3.5 | 47        |
| 107 | Progress in the peeling-ballooning model of edge localized modes: Numerical studies of nonlinear dynamics. Physics of Plasmas, 2005, 12, 056115.                          | 1.9 | 130       |
| 108 | Status and Plans for the National Spherical Torus Experimental Research Facility. IEEJ Transactions on Fundamentals and Materials, 2005, 125, 868-880.                    | 0.2 | 1         |

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| 109 | Blob Dynamics in 3D BOUT Simulations of Tokamak Edge Turbulence. Physical Review Letters, 2004, 93, 265001.  | 7.8 | 60        |
| 110 | ELMs and constraints on the H-mode pedestal: peelingâ€“ballooning stability calculation and comparison with experiment. Nuclear Fusion, 2004, 44, 320-328.             | 3.5 | 192       |
| 111 | Correlation of Density Pedestal Width and Neutral Penetration Length. Contributions To Plasma Physics, 2004, 44, 105-110.  | 1.1 | 11        |
| 112 | Turbulence in the Divertor Region of Tokamak Edge Plasma. Contributions To Plasma Physics, 2004, 44, 182-187.  | 1.1 | 12        |
| 113 | Self-consistent simulation of turbulence and transport in tokamak edge plasmas. Contributions To Plasma Physics, 2004, 44, 188-193.                                    | 1.1 | 16        |
| 114 | Self-consistent modeling of turbulence and transport. Journal of Computational Physics, 2003, 185, 399-426.  | 3.8 | 17        |
| 115 | Progress towards high-performance, steady-state spherical torus. Plasma Physics and Controlled Fusion, 2003, 45, A335-A350.  | 2.1 | 25        |
| 116 | Transitions of turbulence in plasma density limits. Physics of Plasmas, 2003, 10, 1773-1781.   | 1.9 | 52        |
| 117 | Transport by intermittency in the boundary of the DIII-D tokamak. Physics of Plasmas, 2003, 10, 1670-1677.   | 1.9 | 273       |
| 118 | Observations of the turbulence in the scrape-off-layer of Alcator C-Mod and comparisons with simulation. Physics of Plasmas, 2003, 10, 1739-1747.                      | 1.9 | 203       |
| 119 | Experimental characterization of coherent, radially-sheared zonal flows in the DIII-D tokamak. Physics of Plasmas, 2003, 10, 1712-1719.                                | 1.9 | 168       |
| 120 | Observation and characterization of radially sheared zonal flows in DIII-D. Plasma Physics and Controlled Fusion, 2003, 45, A477-A485.                                 | 2.1 | 90        |
| 121 | The national spherical torus experiment (NSTX) research programme and progress towards high beta, long pulse operating scenarios. Nuclear Fusion, 2003, 43, 1653-1664. | 3.5 | 49        |
| 122 | Overview of recent Alcator C-Mod research. Nuclear Fusion, 2003, 43, 1610-1618.  | 3.5 | 7         |
| 123 | Experimental and Theoretical Study of Quasicoherent Fluctuations in Enhanced D $\pm$ Plasmas in the Alcator C-Mod Tokamak. Physical Review Letters, 2002, 89, 225004.  | 7.8 | 87        |
| 124 | Drift wave instability near a magnetic separatrix. Physics of Plasmas, 2002, 9, 1637-1645.   | 1.9 | 6         |
| 125 | Edge localized modes and the pedestal: A model based on coupled peelingâ€“ballooning modes. Physics of Plasmas, 2002, 9, 2037-2043.                                    | 1.9 | 640       |
| 126 | Turbulence simulations of X point physics in the L-H transition*. Nuclear Fusion, 2002, 42, 21-27.   | 3.5 | 25        |

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| 127 | Dynamical simulations of boundary plasma turbulence in divertor geometry. <i>New Journal of Physics</i> , 2002, 4, 53-53.                                    | 2.9 | 45        |
| 128 | Application of Parallel Implicit Methods to Edge-Plasma Numerical Simulations. <i>Journal of Computational Physics</i> , 2002, 175, 249-268.                 | 3.8 | 19        |
| 129 | Overview of the initial NSTX experimental results. <i>Nuclear Fusion</i> , 2001, 41, 1435-1447.  | 3.5 | 49        |
| 130 | Initial physics results from the National Spherical Torus Experiment. <i>Physics of Plasmas</i> , 2001, 8, 1977-1987.  | 1.9 | 46        |
| 131 | Turbulence studies in tokamak boundary plasmas with realistic divertor geometry. <i>Nuclear Fusion</i> , 2000, 40, 731-736.                                  | 3.5 | 39        |
| 132 | Simulation of edge-plasma profiles and turbulence related to L-H transitions in tokamaks. <i>Plasma Physics and Controlled Fusion</i> , 2000, 42, A271-A276. | 2.1 | 10        |
| 133 | Low-to-high confinement transition simulations in divertor geometry. <i>Physics of Plasmas</i> , 2000, 7, 1951-1958.   | 1.9 | 168       |
| 134 | Resistive X-point modes in tokamak boundary plasmas. <i>Physics of Plasmas</i> , 2000, 7, 2290-2293.   | 1.9 | 34        |
| 135 | Resistive modes in the edge and scrape-off layer of diverted tokamaks. <i>Physics of Plasmas</i> , 2000, 7, 4622-4631.                                       | 1.9 | 47        |
| 136 | Scrape-Off Layer Turbulence Theory and Simulations. <i>Contributions To Plasma Physics</i> , 1998, 38, 158-170.  | 1.1 | 51        |
| 137 | Kinetic effects in tokamak scrape-off layer plasmas. <i>Physics of Plasmas</i> , 1997, 4, 1672-1680.   | 1.9 | 83        |
| 138 | Kinetic effects on particle and heat fluxes in detached plasmas. <i>Physics of Plasmas</i> , 1996, 3, 3386-3396.   | 1.9 | 25        |
| 139 | 3D Fluid Simulations of Turbulence in Detached Scrape-off-Layer Plasmas. <i>Contributions To Plasma Physics</i> , 1996, 36, 202-206.                         | 1.1 | 7         |
| 140 | Kinetic Modelling of Detached and ELMy SOL Plasmas. <i>Contributions To Plasma Physics</i> , 1996, 36, 225-229.  | 1.1 | 8         |
| 141 | Parallelization of and Results from Kinetic Edge Plasma Code W1. <i>Contributions To Plasma Physics</i> , 1996, 36, 424-429.                                 | 1.1 | 4         |
| 142 | A model for a scrape-off layer low-to-high (L-to-H) mode transition. <i>Physics of Plasmas</i> , 1995, 2, 3374-3383.   | 1.9 | 11        |
| 143 | Fluid simulations of nonlocal dissipative drift-wave turbulence. <i>Physics of Plasmas</i> , 1995, 2, 686-701.   | 1.9 | 7         |
| 144 | Scrape-Off Layer Turbulence Theory. <i>Contributions To Plasma Physics</i> , 1994, 34, 232-246.  | 1.1 | 20        |

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|-----|--|-----|-----------|
| 145 | Effects of neutral gas collisions on the conducting-wall instability. Plasma Physics and Controlled Fusion, 1993, 35, 1071-1084.       | 2.1 | 10        |
| 146 | Electron temperature gradient induced instability in tokamak scrape-off layers. Nuclear Fusion, 1993, 33, 263-282.                     | 3.5 | 79        |
| 147 | Fluid simulations of conducting-wall-driven turbulence in boundary plasmas. Physics of Fluids B, 1993, 5, 3641-3650.                   | 1.7 | 16        |
| 148 | Electron temperature gradient-driven instability in tokamak boundary plasma. Physics of Fluids B, 1993, 5, 2206-2214.                  | 1.7 | 16        |
| 149 | Ion temperature gradient modes in noncircular tokamak geometry. Physics of Fluids B, 1992, 4, 3216-3225.                               | 1.7 | 34        |
| 150 | Evidence of stochastic diffusion across a cross-field sheath due to Kelvin-Helmholtz vortices. Physical Review A, 1992, 45, 3949-3961. | 2.5 | 6         |
| 151 | Tearing modes in tokamaks with lower hybrid current drive. Physics of Fluids B, 1991, 3, 363-371.                                      | 1.7 | 4         |
| 152 | Unified theory of ballooning instabilities and temperature gradient-driven trapped ion modes. Physics of Fluids B, 1991, 3, 1807-1817. | 1.7 | 7         |
| 153 | Numerical simulation of ion temperature gradient-driven modes. Physics of Fluids B, 1991, 3, 627-643.                                  | 1.7 | 137       |