

Daniel Told

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

2,196
citations

201674

27
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233421

45
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68
all docs

68
docs citations

68
times ranked

1688
citing authors

#	ARTICLE	IF	CITATIONS
1	Gyrokinetic analysis of an argon-seeded EDA H-mode in ASDEX Upgrade. Journal of Plasma Physics, 2022, 88, .	2.1	3
2	Sub-grid-scale effects in magnetised plasma turbulence. Journal of Plasma Physics, 2021, 87, .	2.1	6
3	GENE-3D: A global gyrokinetic turbulence code for stellarators. Journal of Computational Physics, 2020, 420, 109694.	3.8	17
4	Multi-species collisions for delta-f gyrokinetic simulations: Implementation and verification with GENE. Computer Physics Communications, 2020, 255, 107360.	7.5	16
5	Overview of physics studies on ASDEX Upgrade. Nuclear Fusion, 2019, 59, 112014.	3.5	38
6	Gyrokinetic GENE simulations of DIII-D near-edge L-mode plasmas. Physics of Plasmas, 2019, 26, .	1.9	11
7	Growth rates of ITG modes in the presence of flow shear. Physics of Plasmas, 2019, 26, 012502.	1.9	3
8	A Look at Phase Space Intermittency in Magnetized Plasma Turbulence. Astrophysical Journal, 2019, 886, 65.	4.5	6
9	Gyrokinetic investigation of the ASDEX Upgrade I-mode pedestal. Physics of Plasmas, 2019, 26, 122504.	1.9	11
10	Investigating the radial structure of axisymmetric fluctuations in the TCV tokamak with local and global gyrokinetic GENE simulations. Plasma Physics and Controlled Fusion, 2018, 60, 034003.	2.1	14
11	Identifying microturbulence regimes in a TCV discharge making use of physical constraints on particle and heat fluxes. Physics of Plasmas, 2018, 25, .	1.9	15
12	Bringing global gyrokinetic turbulence simulations to the transport timescale using a multiscale approach. Nuclear Fusion, 2018, 58, 054004.	3.5	9
13	Full- <i>f</i> version of GENE for turbulence in open-field-line systems. Physics of Plasmas, 2018, 25, .	1.9	18
14	A basic plasma test for gyrokinetics: GDC turbulence in LAPD. Plasma Physics and Controlled Fusion, 2017, 59, 024006.	2.1	9
15	Verification of Gyrokinetic codes: Theoretical background and applications. Physics of Plasmas, 2017, 24, .	1.9	17
16	Block-structured grids in full velocity space for Eulerian gyrokinetic simulations. Computer Physics Communications, 2017, 215, 49-62.	7.5	11
17	Fully Kinetic versus Reduced-kinetic Modeling of Collisionless Plasma Turbulence. Astrophysical Journal, 2017, 847, 28.	4.5	60
18	Gyrokinetic turbulence: between idealized estimates and a detailed analysis of nonlinear energy transfers. New Journal of Physics, 2017, 19, 045001.	2.9	13

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19	Overview of ASDEX Upgrade results. Nuclear Fusion, 2017, 57, 102015.	3.5	53
20	Fully nonlinear \hat{f} gyrokinetics for scrape-off layer parallel transport. Physics of Plasmas, 2016, 23, .	1.9	7
21	Characterization with microturbulence simulations of the zero particle flux condition in case of a TCV discharge showing toroidal rotation reversal. Journal of Physics: Conference Series, 2016, 775, 012007.	0.4	3
22	Interaction between neoclassical effects and ion temperature gradient turbulence in gradient- and flux-driven gyrokinetic simulations. Physics of Plasmas, 2016, 23, 042509.	1.9	13
23	On the Validation of Gyrokinetic L-Mode Simulations. Fusion Science and Technology, 2016, 69, 537-545.	1.1	6
24	Comparisons between global and local gyrokinetic simulations of an ASDEX Upgrade H-mode plasma. Physics of Plasmas, 2016, 23, .	1.9	9
25	Structure of Plasma Heating in Gyrokinetic Alfvénic Turbulence. Physical Review Letters, 2016, 117, 245101.	7.8	43
26	Comparative study of gyrokinetic, hybrid-kinetic and fully kinetic wave physics for space plasmas. New Journal of Physics, 2016, 18, 065011.	2.9	20
27	Linear multispecies gyrokinetic flux tube benchmarks in shaped tokamak plasmas. Physics of Plasmas, 2016, 23, 032104.	1.9	10
28	SUBPROTON-SCALE CASCADES IN SOLAR WIND TURBULENCE: DRIVEN HYBRID-KINETIC SIMULATIONS. Astrophysical Journal Letters, 2016, 822, L12.	8.3	61
29	Microtearing turbulence limiting the JET-ILW pedestal. Nuclear Fusion, 2016, 56, 104003.	3.5	84
30	Block-structured grids for Eulerian gyrokinetic simulations. Computer Physics Communications, 2016, 198, 105-117.	7.5	17
31	A linear dispersion relation for the hybrid kinetic-ion/fluid-electron model of plasma physics. New Journal of Physics, 2016, 18, 075001.	2.9	9
32	Multiscale Nature of the Dissipation Range in Gyrokinetic Simulations of Alfvénic Turbulence. Physical Review Letters, 2015, 115, 025003.	7.8	88
33	Gyrokinetic and kinetic particle-in-cell simulations of guide-field reconnection. I. Macroscopic effects of the electron flows. Physics of Plasmas, 2015, 22, .	1.9	13
34	How non-adiabatic passing electron layers of linear microinstabilities affect turbulent transport. Physics of Plasmas, 2015, 22, .	1.9	31
35	Enhanced magnetic reconnection in the presence of pressure gradients. Physics of Plasmas, 2015, 22, .	1.9	12
36	Global electromagnetic simulations of the outer core of an ASDEX Upgrade L-mode plasma. Physics of Plasmas, 2015, 22, .	1.9	2

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37	Electromagnetic stabilization of tokamak microturbulence in a high- \hat{I}^2 regime. Plasma Physics and Controlled Fusion, 2015, 57, 014032.	2.1	70
38	Gyrokinetic studies of core turbulence features in ASDEX Upgrade H-mode plasmas. Physics of Plasmas, 2015, 22, .	1.9	29
39	Investigating profile stiffness and critical gradients in shaped TCV discharges using local gyrokinetic simulations of turbulent transport. Plasma Physics and Controlled Fusion, 2015, 57, 054010.	2.1	35
40	Peaked density profiles due to neon injection on FTU. Nuclear Fusion, 2015, 55, 073027.	3.5	13
41	Gyrokinetic study of ASDEX Upgrade inter-ELM pedestal profile evolution. Nuclear Fusion, 2015, 55, 063028.	3.5	51
42	A study of self organized criticality in ion temperature gradient mode driven gyrokinetic turbulence. Physics of Plasmas, 2014, 21, .	1.9	5
43	A flux-matched gyrokinetic analysis of DIII-D L-mode turbulence. Physics of Plasmas, 2014, 21, .	1.9	62
44	Controlling Turbulence in Present and Future Stellarators. Physical Review Letters, 2014, 113, 155001.	7.8	70
45	Collision-dependent power law scalings in two dimensional gyrokinetic turbulence. Physics of Plasmas, 2014, 21, .	1.9	6
46	Ion temperature profile stiffness: non-linear gyrokinetic simulations and comparison with experiment. Nuclear Fusion, 2014, 54, 023008.	3.5	45
47	MAGNETIC RECONNECTION TURBULENCE IN STRONG GUIDE FIELDS: BASIC PROPERTIES AND APPLICATION TO CORONAL HEATING. Astrophysical Journal, Supplement Series, 2014, 213, 30.	7.7	22
48	Extreme Heat Fluxes in Gyrokinetic Simulations: A New Critical \hat{I}^2 . Physical Review Letters, 2013, 110, 155005.	7.8	39
49	Characterizing turbulent transport in ASDEX Upgrade L-mode plasmas via nonlinear gyrokinetic simulations. Physics of Plasmas, 2013, 20, 122312.	1.9	50
50	Overview of ASDEX Upgrade results. Nuclear Fusion, 2013, 53, 104003.	3.5	36
51	Low-recycling conditions and improved core confinement in steady-state operation scenarios in JET (Joint European Torus). Plasma Physics and Controlled Fusion, 2013, 55, 045005.	2.1	12
52	Properties of high- \hat{I}^2 microturbulence and the non-zonal transition. Physics of Plasmas, 2013, 20, .	1.9	32
53	Core transport analysis of nitrogen seeded H-mode discharges in the ASDEX Upgrade. Plasma Physics and Controlled Fusion, 2013, 55, 015010.	2.1	19
54	Global and local gyrokinetic simulations of high-performance discharges in view of ITER. Nuclear Fusion, 2013, 53, 073003.	3.5	20

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55	Nonlinear Stabilization of Tokamak Microturbulence by Fast Ions. <i>Physical Review Letters</i> , 2013, 111, 155001.	7.8	161
56	Novel free-boundary equilibrium and transport solver with theory-based models and its validation against ASDEX Upgrade current ramp scenarios. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 124028.	2.1	58
57	Gyrokinetic prediction of microtearing turbulence in standard tokamaks. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	59
58	Identifying the role of non-adiabatic passing electrons in ITG/TEM microturbulence by comparing fully kinetic and hybrid electron simulations. <i>Journal of Physics: Conference Series</i> , 2012, 401, 012006.	0.4	10
59	The global version of the gyrokinetic turbulence code GENE. <i>Journal of Computational Physics</i> , 2011, 230, 7053-7071.	3.8	274
60	Overview of ASDEX Upgrade results. <i>Nuclear Fusion</i> , 2011, 51, 094012.	3.5	27
61	Flux- and gradient-driven global gyrokinetic simulation of tokamak turbulence. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	50
62	Gyrokinetic simulations of magnetic reconnection. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	39
63	Nonlocal effects in gyrokinetic turbulence simulations using GENE. <i>Journal of Physics: Conference Series</i> , 2010, 260, 012011.	0.4	10
64	Applicability of different geometry approaches to simulations of turbulence in highly sheared magnetic fields. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	6
65	Gyrokinetic Turbulence Investigations Involving Ion and Electron Scales. , 2010, , 491-501.		0
66	Gyrokinetic turbulence under near-separatrix or nonaxisymmetric conditions. <i>Physics of Plasmas</i> , 2009, 16, 055901.	1.9	43
67	Gyrokinetic microinstabilities in ASDEX Upgrade edge plasmas. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	74
68	A Case for Electron-Astrophysics. <i>Experimental Astronomy</i> , 0, , 1.	3.7	11