

Rogã©rio Jorge

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8589692/publications.pdf>

Version: 2024-02-01

20
papers

260
citations

840776

11
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

245
citing authors

#	ARTICLE	IF	CITATIONS
1	SIMSOPT: A flexible framework for stellarator optimization. Journal of Open Source Software, 2021, 6, 3525.	4.6	39
2	A drift-kinetic analytical model for scrape-off layer plasma dynamics at arbitrary collisionality. Journal of Plasma Physics, 2017, 83, .	2.1	28
3	Greybody factors for rotating black holes in higher dimensions. Classical and Quantum Gravity, 2015, 32, 065008.	4.0	27
4	A gyrokinetic model for the plasma periphery of tokamak devices. Journal of Plasma Physics, 2020, 86, .	2.1	26
5	Near-axis expansion of stellarator equilibrium at arbitrary order in the distance to the axis. Journal of Plasma Physics, 2020, 86, .	2.1	20
6	Nonlinear gyrokinetic Coulomb collision operator. Journal of Plasma Physics, 2019, 85, .	2.1	16
7	Theory of the Drift-Wave Instability at Arbitrary Collisionality. Physical Review Letters, 2018, 121, 165001.	7.8	15
8	Construction of quasisymmetric stellarators using a direct coordinate approach. Nuclear Fusion, 2020, 60, 076021.	3.5	15
9	Magnetic well and Mercier stability of stellarators near the magnetic axis. Journal of Plasma Physics, 2020, 86, .	2.1	14
10	Linear theory of electron-plasma waves at arbitrary collisionality. Journal of Plasma Physics, 2019, 85, .	2.1	12
11	Development of advanced linearized gyrokinetic collision operators using a moment approach. Journal of Plasma Physics, 2021, 87, .	2.1	11
12	The use of near-axis magnetic fields for stellarator turbulence simulations. Plasma Physics and Controlled Fusion, 2021, 63, 014001.	2.1	10
13	Plasma turbulence in the scrape-off layer of the ISTTOK tokamak. Physics of Plasmas, 2016, 23, 102511.	1.9	8
14	Edge turbulence in ISTTOK: a multi-code fluid validation. Plasma Physics and Controlled Fusion, 2021, 63, 055013.	2.1	8
15	Indefinite theta functions and black hole partition functions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	5
16	Ion-temperature-gradient stability near the magnetic axis of quasisymmetric stellarators. Plasma Physics and Controlled Fusion, 2021, 63, 074002.	2.1	3
17	The on-axis magnetic well and Mercier's criterion for arbitrary stellarator geometries. Journal of Plasma Physics, 2021, 87, .	2.1	2
18	Four-dimensional drift-kinetic model for scrape-off layer plasmas. Physics of Plasmas, 2020, 27, 112502.	1.9	1

#	ARTICLE	IF	CITATIONS
19	Quasilinear approach to ray tracing in weakly turbulent, randomly fluctuating media. Physical Review A, 2018, 98, .	2.5	0
20	Superradiance of rotating cohomogeneity-1 black holes: Scalar case. , 2017, , .		0