

Grigory Kagan

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

353
citations

933447

10
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

319
citing authors

#	ARTICLE	IF	CITATIONS
1	Electro-diffusion in a plasma with two ion species. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	70
2	Thermo-diffusion in inertially confined plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1531-1535.	2.1	66
3	Arbitrary poloidal gyroradius effects in tokamak pedestals and transport barriers. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 085010.	2.1	32
4	Self-Similar Structure and Experimental Signatures of Suprathermal Ion Distribution in Inertial Confinement Fusion Implosions. <i>Physical Review Letters</i> , 2015, 115, 105002.	7.8	29
5	Neoclassical ion heat flux and poloidal flow in a tokamak pedestal. <i>Plasma Physics and Controlled Fusion</i> , 2010, 52, 055004.	2.1	27
6	Zonal flow in a tokamak pedestal. <i>Physics of Plasmas</i> , 2009, 16, 056105.	1.9	17
7	Enhancement of the Bootstrap Current in a Tokamak Pedestal. <i>Physical Review Letters</i> , 2010, 105, 045002.	7.8	17
8	Electrostatic turbulence in tokamaks on transport time scales. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 115006.	2.1	15
9	The effect of the radial electric field on neoclassical flows in a tokamak pedestal. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 025008.	2.1	14
10	Kinetic effects on a tokamak pedestal ion flow, ion heat transport and bootstrap current. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 045009.	2.1	11
11	Thermodynamic evaluation of mass diffusion in ionic mixtures. <i>Physics of Plasmas</i> , 2014, 21, 022708.	1.9	10
12	Influence of coupling on thermal forces and dynamic friction in plasmas with multiple ion species. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	10
13	A unified treatment of kinetic effects in a tokamak pedestal. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 054004.	2.1	8
14	Neoclassical ion heat flux and poloidal flow in a tokamak pedestal. <i>Plasma Physics and Controlled Fusion</i> , 2010, 52, 079801-079801.	2.1	6
15	Limitations, insights and improvements to gyrokinetics. <i>Nuclear Fusion</i> , 2009, 49, 095026.	3.5	5
16	Bounce-free spherical hydrodynamic implosion. <i>Physics of Plasmas</i> , 2011, 18, 120702.	1.9	5
17	Inference of the electron temperature in inertial confinement fusion implosions from the hard X-ray spectral continuum. <i>Contributions To Plasma Physics</i> , 2019, 59, 181-188.	1.1	5
18	Kinetic studies of ICF implosions. <i>Journal of Physics: Conference Series</i> , 2016, 717, 012027.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Plasma physics effects on thermonuclear burn rate in the presence of hydrodynamic mix. Journal of Physics: Conference Series, 2016, 688, 012123.	0.4	0