

# Jugal Chowdhury

## List of Publications by Year in descending order

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19  
papers

186  
citations

1040056

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1125743

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all docs

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docs citations

19  
times ranked

160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global gyrokinetic stability of collisionless microtearing modes in large aspect ratio tokamaks. Physics of Plasmas, 2014, 21, 082513.	1.9	23
2	Gyrokinetic simulations of turbulent transport: size scaling and chaotic behaviour. Plasma Physics and Controlled Fusion, 2010, 52, 124038.	2.1	19
3	Particle-in-cell gyrokinetic simulations of the microtearing mode. Physics of Plasmas, 2016, 23, .	1.9	19
4	Role of nonadiabatic untrapped electrons in global electrostatic ion temperature gradient driven modes in a tokamak. Physics of Plasmas, 2008, 15, 072117.	1.9	14
5	Study of the L-mode tokamak plasma with local and global nonlinear gyrokinetic particle-in-cell simulation. Physics of Plasmas, 2014, 21, .	1.9	11
6	Nonlocal effects in gyrokinetic turbulence simulations using GENE. Journal of Physics: Conference Series, 2010, 260, 012011.	0.4	10
7	Short wavelength ion temperature gradient turbulence. Physics of Plasmas, 2012, 19, .	1.9	10
8	Finite Larmor radius effects on the $(m=2, n=1)$ cylindrical tearing mode. Physics of Plasmas, 2015, 22, 042111.	1.9	10
9	A comprehensive gyrokinetic description of global electrostatic microinstabilities in a tokamak. Physics of Plasmas, 2009, 16, 052507.	1.9	9
10	Short wavelength ion temperature gradient mode and coupling with trapped electrons. Physics of Plasmas, 2009, 16, .	1.9	9
11	Toroidal universal drift instability: A global gyrokinetic study. Physics of Plasmas, 2010, 17, 102105.	1.9	9
12	Radial transport of energetic ions in the presence of trapped electron mode turbulence. Physics of Plasmas, 2011, 18, .	1.9	8
13	Nature of energetic ion transport by ion temperature gradient driven turbulence and size scaling. Physics of Plasmas, 2012, 19, .	1.9	8
14	Role of Trapped Electrons on Global Gyrokinetic Linear Stability of Collisionless Microtearing Modes. Journal of Physics: Conference Series, 2014, 561, 012017.	0.4	7
15	Gyrokinetic-ion drift-kinetic-electron simulation of the $(m=2, n=1)$ cylindrical tearing mode. Physics of Plasmas, 2016, 23, .	1.9	6
16	Sluggish response of untrapped electrons and global electrostatic micro-instabilities in a tokamak. Journal of Physics: Conference Series, 2010, 208, 012058.	0.4	4
17	Nonlinear particle in cell gyrokinetic simulations of the microtearing mode. Physics of Plasmas, 2020, 27, 042309.	1.9	4
18	Finite $\hat{l}^2$ effects on short wavelength ion temperature gradient modes. Physics of Plasmas, 2020, 27, 052509.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Low n electromagnetic modes in spherical tokamaks. Plasma Physics and Controlled Fusion, 2021, 63, 075017.	2.1	3