

Haijun Ren

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46 papers	524 citations	12 h-index	21 g-index
48 ext. papers	569 ext. citations	2.1 avg, IF	4.01 L-index

#	Paper	IF	Citations
46	Anomalous transport driven by ion temperature gradient instability in an anisotropic deuterium-tritium plasma. <i>Plasma Science and Technology</i> , 2022 , 24, 025104	1.5	0
45	Nonlinear excitation of geodesic acoustic mode by drift waves in anisotropic tokamak plasmas with toroidal rotation. <i>Physics of Plasmas</i> , 2022 , 29, 032503	2.1	1
44	Excitation of zonal flow by nonlinear geodesic acoustic mode. <i>Physics of Plasmas</i> , 2020 , 27, 034501	2.1	4
43	A fundamental understanding of the unstable eigenmodes of double tearing instabilities in a shear slab geometry. <i>AIP Advances</i> , 2020 , 10, 055111	1.5	2
42	Global geodesic acoustic mode in an ideal magnetohydrodynamic tokamak plasma. <i>Physics of Plasmas</i> , 2020 , 27, 042504	2.1	3
41	Electromagnetic effect on geodesic acoustic mode with adiabatic electrons. <i>Physics of Plasmas</i> , 2019 , 26, 022506	2.1	2
40	Geodesic acoustic mode driven by energetic particles with bump-on-tail distribution. <i>Nuclear Fusion</i> , 2018 , 58, 046005	3.3	4
39	Finite-orbit-width effects on the geodesic acoustic mode in the toroidally rotating tokamak plasma. <i>Physics of Plasmas</i> , 2017 , 24, 054504	2.1	3
38	Energetic particle driven geodesic acoustic mode in a toroidally rotating tokamak plasma. <i>Nuclear Fusion</i> , 2017 , 57, 016023	3.3	2
37	Geodesic acoustic mode in a reduced two-fluid model. <i>Plasma Science and Technology</i> , 2017 , 19, 122001	1.5	3
36	The residual zonal flows in anisotropic tokamak plasmas. <i>Physics of Plasmas</i> , 2016 , 23, 064507	2.1	3
35	Analytical collisionless damping rate of geodesic acoustic mode. <i>Nuclear Fusion</i> , 2016 , 56, 106008	3.3	3
34	Geodesic acoustic mode in toroidally rotating anisotropic tokamaks. <i>Physics of Plasmas</i> , 2015 , 22, 072502	2.1	9
33	Geodesic acoustic mode in anisotropic plasma with heat flux. <i>Physics of Plasmas</i> , 2015 , 22, 102505	2.1	5
32	Landau damping of geodesic acoustic mode in toroidally rotating tokamaks. <i>Physics of Plasmas</i> , 2015 , 22, 062501	2.1	10
31	Zonal flows in tokamaks with anisotropic pressure. <i>Physics of Plasmas</i> , 2014 , 21, 044505	2.1	11
30	Geodesic acoustic mode in anisotropic plasmas using double adiabatic model and gyro-kinetic equation. <i>Physics of Plasmas</i> , 2014 , 21, 122512	2.1	8

29	Effects of passing energetic particles on geodesic acoustic mode. <i>Physics of Plasmas</i> , 2014 , 21, 102506	2.1	3
28	Perturbation analysis of electromagnetic geodesic acoustic modes. <i>Physics of Plasmas</i> , 2014 , 21, 064502	2.1	8
27	Geodesic acoustic modes in toroidally rotating tokamaks with an arbitrary ∇B . <i>Physics of Plasmas</i> , 2013 , 20, 072504	2.1	10
26	Effects of magnetic field on anisotropic temperature relaxation. <i>Physics of Plasmas</i> , 2013 , 20, 032512	2.1	15
25	Temperature relaxation in a magnetized plasma. <i>Physics of Plasmas</i> , 2013 , 20, 102518	2.1	8
24	Magnetorotational instability in plasmas with mobile dust grains. <i>Physics of Plasmas</i> , 2013 , 20, 032102	2.1	4
23	Group velocity of extraordinary waves in superdense magnetized quantum plasma with spin-1/2 effects. <i>Physics of Plasmas</i> , 2012 , 19, 122114	2.1	17
22	Effect of toroidal rotation on the geodesic acoustic mode in magnetohydrodynamics. <i>Physics of Plasmas</i> , 2012 , 19, 094502	2.1	15
21	MAGNETOROTATIONAL INSTABILITY IN A COLLISIONAL WEAKLY IONIZED PLASMA. <i>Astrophysical Journal</i> , 2012 , 754, 128	4.7	4
20	Magnetorotational instability in a two-fluid model. <i>Plasma Physics and Controlled Fusion</i> , 2011 , 53, 065021	2.1	8
19	Density gradient effects on the magnetorotational instability. <i>Plasma Physics and Controlled Fusion</i> , 2011 , 53, 035012	2	6
18	Coupling of Kelvin-Helmholtz instability and buoyancy instability in a thermally laminar plasma. <i>Physics of Plasmas</i> , 2011 , 18, 022110	2.1	3
17	Anisotropic dissipative effects on the buoyancy instability with background heat flux. <i>Physics of Plasmas</i> , 2011 , 18, 032106	2.1	
16	Magnetorotational instability in a collisionless plasma with heat flux vector and an isotropic plasma with self-gravitational effect. <i>Physics of Plasmas</i> , 2011 , 18, 092117	2.1	8
15	Thermal convective and rotational instability in dissipative magnetohydrodynamics. <i>Physics of Plasmas</i> , 2010 , 17, 052102	2.1	5
14	The effect of the Hall term on Jeans instability in quantum magnetoplasma with resistive effects. <i>Physics of Plasmas</i> , 2010 , 17, 064503	2.1	29
13	Magnetothermal instability in weakly magnetized plasmas with anisotropic resistivity and viscosity. <i>Physics of Plasmas</i> , 2010 , 17, 042117	2.1	4
12	Jeans instability in quantum magnetoplasma with resistive effects. <i>Physics of Plasmas</i> , 2009 , 16, 072101	2.1	36

11	Richtmyer-Meshkov instability of a stratified fluid in transverse magnetic field. <i>Physics of Plasmas</i> , 2009 , 16, 062103	2.1	4
10	Electrostatic drift modes in quantum dusty plasmas with Jeans terms. <i>Physics of Plasmas</i> , 2009 , 16, 103705	2.1	33
9	Magnetothermal instability of plasmas in a horizontal magnetic field. <i>Physics of Plasmas</i> , 2009 , 16, 102109	2.1	6
8	Magnetorotational instability in dissipative dusty plasmas. <i>Physics of Plasmas</i> , 2009 , 16, 122107	2.1	8
7	Electrostatic drift waves in nonuniform quantum magnetized plasmas. <i>Physics of Plasmas</i> , 2008 , 15, 082103	2.1	17
6	Electromagnetic drift waves in nonuniform quantum magnetized electron-positron plasmas. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008 , 41, 115501	2	20
5	Effects of shear flow and transverse magnetic field on Richtmyer-Meshkov instability. <i>Physics of Plasmas</i> , 2008 , 15, 042102	2.1	34
4	Electrostatic drift modes in quantum pair plasmas. <i>Physics of Plasmas</i> , 2008 , 15, 102108	2.1	10
3	Quantum effects on Rayleigh-Taylor instability in magnetized plasma. <i>Physics of Plasmas</i> , 2008 , 15, 012110	2.1	37
2	Dispersion of multi-stream instability in quantum magnetized hot plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008 , 372, 2676-2683	2.3	19
1	Dispersion of linear waves in quantum plasmas. <i>Physics of Plasmas</i> , 2007 , 14, 062102	2.1	79