

# Haijun Ren

## List of Publications by Year in descending order

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47  
papers

616  
citations

759233

12  
h-index

642732

23  
g-index

48  
all docs

48  
docs citations

48  
times ranked

303  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dispersion of linear waves in quantum plasmas. <i>Physics of Plasmas</i> , 2007, 14, 062102.	1.9	83
2	Jeans instability in quantum magnetoplasma with resistive effects. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	46
3	Quantum effects on Rayleighâ€“Taylor instability in magnetized plasma. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	44
4	Electrostatic drift modes in quantum dusty plasmas with Jeans terms. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	41
5	Effects of shear flow and transverse magnetic field on Richtmyerâ€“Meshkov instability. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	36
6	The effect of the Hall term on Jeans instability in quantum magnetoplasma with resistive effects. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	35
7	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.	2.1	23
8	Electromagnetic drift waves in nonuniform quantum magnetized electronâ€“positronâ€“ion plasmas. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 115501.	2.1	21
9	Group velocity of extraordinary waves in superdense magnetized quantum plasma with spin-1/2 effects. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	21
10	Electrostatic drift waves in nonuniform quantum magnetized plasmas. <i>Physics of Plasmas</i> , 2008, 15, 082103.	1.9	18
11	Effects of magnetic field on anisotropic temperature relaxation. <i>Physics of Plasmas</i> , 2013, 20, 032512.	1.9	17
12	Effect of toroidal rotation on the geodesic acoustic mode in magnetohydrodynamics. <i>Physics of Plasmas</i> , 2012, 19, 094502.	1.9	16
13	Landau damping of geodesic acoustic mode in toroidally rotating tokamaks. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	12
14	Magnetorotational instability in a two-fluid model. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 065021.	2.1	11
15	Zonal flows in tokamaks with anisotropic pressure. <i>Physics of Plasmas</i> , 2014, 21, 044505.	1.9	11
16	Electrostatic drift modes in quantum pair plasmas. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	10
17	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, .	1.9	10
18	Geodesic acoustic modes in toroidally rotating tokamaks with an arbitrary $\hat{l}^2$ . <i>Physics of Plasmas</i> , 2013, 20, 072504.	1.9	10

#	ARTICLE	IF	CITATIONS
19	Temperature relaxation in a magnetized plasma. <i>Physics of Plasmas</i> , 2013, 20, 102518.	1.9	10
20	Geodesic acoustic mode in anisotropic plasmas using double adiabatic model and gyro-kinetic equation. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	10
21	Perturbation analysis of electromagnetic geodesic acoustic modes. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	10
22	Geodesic acoustic mode in toroidally rotating anisotropic tokamaks. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	10
23	Magnetorotational instability in dissipative dusty plasmas. <i>Physics of Plasmas</i> , 2009, 16, 122107.	1.9	9
24	Geodesic acoustic mode driven by energetic particles with bump-on-tail distribution. <i>Nuclear Fusion</i> , 2018, 58, 046005.	3.5	8
25	Magnetothermal instability of plasmas in a horizontal magnetic field. <i>Physics of Plasmas</i> , 2009, 16, 102109.	1.9	6
26	Density gradient effects on the magnetorotational instability. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 035012.	2.1	6
27	MAGNETOROTATIONAL INSTABILITY IN A COLLISIONAL WEAKLY IONIZED PLASMA. <i>Astrophysical Journal</i> , 2012, 754, 128.	4.5	6
28	Geodesic acoustic mode in anisotropic plasma with heat flux. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	6
29	Analytical collisionless damping rate of geodesic acoustic mode. <i>Nuclear Fusion</i> , 2016, 56, 106008.	3.5	6
30	Electromagnetic effect on geodesic acoustic mode with adiabatic electrons. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	6
31	Thermal convective and rotational instability in dissipative magnetohydrodynamics. <i>Physics of Plasmas</i> , 2010, 17, 052102.	1.9	5
32	Finite-orbit-width effects on the geodesic acoustic mode in the toroidally rotating tokamak plasma. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	5
33	Energetic particle driven geodesic acoustic mode in a toroidally rotating tokamak plasma. <i>Nuclear Fusion</i> , 2017, 57, 016023.	3.5	5
34	Excitation of zonal flow by nonlinear geodesic acoustic mode. <i>Physics of Plasmas</i> , 2020, 27, 034501.	1.9	5
35	Global geodesic acoustic mode in an ideal magnetohydrodynamic tokamak plasma. <i>Physics of Plasmas</i> , 2020, 27, 042504.	1.9	5
36	Richtmyer–Meshkov instability of a stratified fluid in transverse magnetic field. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	4

#	ARTICLE	IF	CITATIONS
37	Magnetothermal instability in weakly magnetized plasmas with anisotropic resistivity and viscosity. <i>Physics of Plasmas</i> , 2010, 17, 042117.	1.9	4
38	Coupling of Kelvin–Helmholtz instability and buoyancy instability in a thermally laminar plasma. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	4
39	Magnetorotational instability in plasmas with mobile dust grains. <i>Physics of Plasmas</i> , 2013, 20, 032102.	1.9	4
40	Effects of passing energetic particles on geodesic acoustic mode. <i>Physics of Plasmas</i> , 2014, 21, 102506.	1.9	3
41	The residual zonal flows in anisotropic tokamak plasmas. <i>Physics of Plasmas</i> , 2016, 23, 064507.	1.9	3
42	Geodesic acoustic mode in a reduced two-fluid model. <i>Plasma Science and Technology</i> , 2017, 19, 122001.	1.5	3
43	A fundamental understanding of the unstable eigenmodes of double tearing instabilities in a shear slab geometry. <i>AIP Advances</i> , 2020, 10, .	1.3	2
44	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	2
45	Unstable spectra of plane Poiseuille flow with a uniform magnetic field. <i>Plasma Physics and Controlled Fusion</i> , 2022, 64, 045022.	2.1	1
46	Nonlinear excitation of geodesic acoustic mode by drift waves in anisotropic tokamak plasmas with toroidal rotation. <i>Physics of Plasmas</i> , 2022, 29, 032503.	1.9	1
47	Anisotropic dissipative effects on the buoyancy instability with background heat flux. <i>Physics of Plasmas</i> , 2011, 18, 032106.	1.9	0