

# B J Ding

## List of Publications by Year in descending order

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29  
papers

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citations

1040056

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times ranked

356  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Topology Changes Induced by Lower Hybrid Waves and their Profound Effect on Edge-Localized Modes in the EAST Tokamak. <i>Physical Review Letters</i> , 2013, 110, 235002.	7.8	112
2	Investigation of lower hybrid wave coupling and current drive experiments at different configurations in experimental advanced superconducting tokamak. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	42
3	Lower hybrid current drive experiments with different launched wave frequencies in the EAST tokamak. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	35
4	Investigations of lower hybrid wave-plasma coupling by gas puffing in HT-7. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	12
5	Investigation of electromagnetic geodesic acoustic mode in EAST RF-heating plasma. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	11
6	Experimental investigation on spectral broadening of lower hybrid waves with different frequencies in the EAST long-pulse plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 065005.	2.1	11
7	Current ramp-up with lower hybrid current drive in EAST. <i>Physics of Plasmas</i> , 2012, 19, 122507.	1.9	10
8	Study on lower hybrid current drive efficiency at high density towards long-pulse regimes in Experimental Advanced Superconducting Tokamak. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	10
9	Edge turbulent transport with lower hybrid current drive in the Hefei Tokamak-7. <i>Physics of Plasmas</i> , 2004, 11, 207-213.	1.9	9
10	Long Pulse operation with the ITER-Relevant LHCD Antenna in Tore Supra. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	9
11	Effect of gas puffing from different side on lower hybrid wave-plasma coupling in experimental advanced superconductive tokamak. <i>Physics of Plasmas</i> , 2013, 20, 102504.	1.9	8
12	Main experimental results and challenges in ICRF heating on EAST. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	7
13	4.6-GHz LHCD Launcher System of Experimental Advanced Superconducting Tokamak. <i>Fusion Science and Technology</i> , 2019, 75, 49-58.	1.1	6
14	Lower hybrid current drive and ion cyclotron range of frequencies heating experiments in H-mode plasmas in Experimental Advanced Superconducting Tokamak. <i>Physics of Plasmas</i> , 2014, 21, 061501.	1.9	5
15	Preliminary investigation of the effects of lower hybrid power on asymmetric behaviors in the scrape-off layer in experimental advanced superconducting tokamak. <i>Physics of Plasmas</i> , 2014, 21, 022508.	1.9	3
16	Comparative modeling of lower hybrid wave coupling with 2.45 GHz and 4.6 GHz launchers on EAST. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	3
17	Modeling the spectral modification of lower hybrid wave in the presence of drift-wave type density fluctuation in the scrape-off-layer of the EAST tokamak. <i>Physics of Plasmas</i> , 2021, 28, 082507.	1.9	3
18	Investigation on LHW-plasma coupling in H-mode plasma in EAST. , 2014, , .		2

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19	Broadband sidebands generated by parametric instability in lower hybrid current drive experiments on EAST. AIP Conference Proceedings, 2015, , .	0.4	2
20	Studies of challenge in lower hybrid current drive capability at high density regime in experimental advanced superconducting tokamak. Journal of Plasma Physics, 2017, 83, .	2.1	2
21	Predictive simulations of operation scenarios for EAST with METIS code. Journal of Plasma Physics, 2017, 83, .	2.1	2
22	Diagnostic development for parallel wave-number measurement of lower hybrid waves in EAST. Review of Scientific Instruments, 2020, 91, 073502.	1.3	2
23	Observation of synergy between lower hybrid waves at two frequencies in EAST. Physics of Plasmas, 2021, 28, 072506.	1.9	2
24	Gyrokinetic Simulation of Turbulence in the High- $\beta_N$ Discharge on the Experimental Advanced Superconducting Tokamak. Plasma Physics Reports, 2020, 46, 1137-1143.	0.9	1
25	Analysis of Poloidal Asymmetric Density Behaviors in SOL Induced by 4.6-GHz Lower Hybrid Launcher Power in EAST. Plasma Physics Reports, 2018, 44, 171-179.	0.9	0
26	Scoping study of lower hybrid current drive for CFETR. AIP Conference Proceedings, 2020, , .	0.4	0
27	Design and test analysis of magnetic probe for parallel wave-number measurement of lower hybrid waves in EAST. AIP Conference Proceedings, 2020, , .	0.4	0
28	The effects of $E_r \hat{A} - B_t$ drift on LH wave coupling with divertor configuration at EAST. Plasma Physics and Controlled Fusion, 2021, 63, 075012.	2.1	0
29	Simulated effect of edge plasma density parameters on lower hybrid wave scattering in EAST. Physics of Plasmas, 2022, 29, 024503.	1.9	0