Calvin K Lau

List of Publications by Year
in descending order

18	221	1162367 8	996533 15
papers	citations	h-index	g-index

18	18	18	198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formation of hot, stable, long-lived field-reversed configuration plasmas on the C-2W device. Nuclear Fusion, 2019, 59, 112009.	1.6	53
2	Suppressed ion-scale turbulence in a hot high-Î² plasma. Nature Communications, 2016, 7, 13860.	5.8	31
3	Overview of C-2W: high temperature, steady-state beam-driven field-reversed configuration plasmas. Nuclear Fusion, 2021, 61, 106039.	1.6	26
4	Wakefield in solid state plasma with the ionic lattice force. Physics of Plasmas, 2018, 25, .	0.7	16
5	Ponderomotive acceleration by relativistic waves. Physical Review Special Topics: Accelerators and Beams, 2015, 18, .	1.8	16
6	Gyrokinetic simulation of driftwave instability in field-reversed configuration. Physics of Plasmas, 2016, 23, 056111.	0.7	12
7	Gyrokinetic particle simulation of a field reversed configuration. Physics of Plasmas, 2016, 23, .	0.7	12
8	Drift-wave stability in the field-reversed configuration. Physics of Plasmas, 2017, 24, .	0.7	11
9	High energy photon emission from wakefields. Physics of Plasmas, 2016, 23, 073107.	0.7	7
10	Global simulation of ion temperature gradient instabilities in a field-reversed configuration. Physics of Plasmas, 2019, 26, .	0.7	7
11	Electrostatic quasi-neutral formulation of global cross-separatrix particle simulation in field-reversed configuration geometry. Physics of Plasmas, 2020, 27, 082504.	0.7	6
12	Simulation of equilibrium and transport in advanced FRCS. Nuclear Fusion, 2021, 61, 106038.	1.6	6
13	Cross-separatrix simulations of turbulent transport in the field-reversed configuration. Nuclear Fusion, 2019, 59, 066018.	1.6	5
14	Effects of equilibrium radial electric field on ion temperature gradient instability in the scrape-off layer of a field-reversed configuration. Plasma Physics and Controlled Fusion, 2021, 63, 065001.	0.9	5
15	Combination Doppler backscattering/cross-polarization scattering diagnostic for the C-2W field-reversed configuration. Review of Scientific Instruments, 2018, 89, 10H116.	0.6	3
16	X-ray laser wakefield acceleration in a nanotube. International Journal of Modern Physics A, 2019, 34, 1943011.	0.5	3
17	Effects of zonal flows on ion temperature gradient instability in the scrape-off layer of a field-reversed configuration. Nuclear Fusion, 2021, 61, 126039.	1.6	2
18	X-ray Laser Wakefield Acceleration in a Nanotube. , 2020, , .		0