Yang Wan

List of Publications by Year
in descending order

16	335	1040056 9	940533 16
papers	citations	h-index	g-index

16	16	16	416
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physics of Phase Space Matching for Staging Plasma and Traditional Accelerator Components Using Longitudinally Tailored Plasma Profiles. Physical Review Letters, 2016, 116, 124801.	7.8	73
2	Relativistic single-cycle tunable infrared pulses generated from a tailored plasma density structure. Nature Photonics, 2018, 12, 489-494.	31.4	59
3	Femtosecond Probing of Plasma Wakefields and Observation of the Plasma Wake Reversal Using a Relativistic Electron Bunch. Physical Review Letters, 2017, 119, 064801.	7.8	44
4	Physical Mechanism of the Transverse Instability in Radiation Pressure Ion Acceleration. Physical Review Letters, 2016, 117, 234801.	7.8	30
5	Effects of the Transverse Instability and Wave Breaking on the Laser-Driven Thin Foil Acceleration. Physical Review Letters, 2020, 125, 104801.	7.8	29
6	Capturing relativistic wakefield structures in plasmas using ultrashort high-energy electrons as a probe. Scientific Reports, 2016, 6, 29485.	3.3	26
7	Nanoscale Electron Bunching in Laser-Triggered Ionization Injection in Plasma Accelerators. Physical Review Letters, 2016, 117, 034801.	7.8	20
8	Temporal characterization of ultrashort linearly chirped electron bunches generated from a laser wakefield accelerator. Physical Review Accelerators and Beams, 2016, 19, .	1.6	14
9	Physical mechanism of the electron-ion coupled transverse instability in laser pressure ion acceleration for different regimes. Physical Review E, 2018, 98, 013202.	2.1	9
10	Two-stage laser acceleration of high quality protons using a tailored density plasma. Physical Review Accelerators and Beams, 2019, 22, .	1.6	8
11	Commissioning and first results from the new 2 Ã— 100ÂTW laser at the WIS. Matter and Radiation at Extremes, 2022, 7, .	3.9	8
12	Transverse phase space diagnostics for ionization injection in laser plasma acceleration using permanent magnetic quadrupoles. Plasma Physics and Controlled Fusion, 2018, 60, 044007.	2.1	4
13	Evolution of plasma wakes in density up- and down-ramps. Plasma Physics and Controlled Fusion, 2018, 60, 024003.	2.1	4
14	Ion acceleration with an ultra-intense two-frequency laser tweezer. New Journal of Physics, 2020, 22, 052002.	2.9	3
15	Phase locked multiple rings in the radiation pressure ion acceleration process. Plasma Physics and Controlled Fusion, 2018, 60, 044016.	2.1	2
16	Tri-stage quasimonoenergetic proton acceleration from a multi-species thick target. Physics of Plasmas, 2018, 25, 073105.	1.9	2