

# Yang Wan

## List of Publications by Year in descending order

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416  
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#	ARTICLE	IF	CITATIONS
1	Commissioning and first results from the new 2 Å— 100ÂTW laser at the WIS. Matter and Radiation at Extremes, 2022, 7, .	3.9	8
2	Effects of the Transverse Instability and Wave Breaking on the Laser-Driven Thin Foil Acceleration. Physical Review Letters, 2020, 125, 104801.	7.8	29
3	Ion acceleration with an ultra-intense two-frequency laser tweezer. New Journal of Physics, 2020, 22, 052002.	2.9	3
4	Two-stage laser acceleration of high quality protons using a tailored density plasma. Physical Review Accelerators and Beams, 2019, 22, .	1.6	8
5	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
6	Phase locked multiple rings in the radiation pressure ion acceleration process. Plasma Physics and Controlled Fusion, 2018, 60, 044016.	2.1	2
7	Evolution of plasma wakes in density up- and down-ramps. Plasma Physics and Controlled Fusion, 2018, 60, 024003.	2.1	4
8	Tri-stage quasimonoenergetic proton acceleration from a multi-species thick target. Physics of Plasmas, 2018, 25, 073105.	1.9	2
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	Relativistic single-cycle tunable infrared pulses generated from a tailored plasma density structure. Nature Photonics, 2018, 12, 489-494.	31.4	59
11	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
12	Physical Mechanism of the Transverse Instability in Radiation Pressure Ion Acceleration. Physical Review Letters, 2016, 117, 234801.	7.8	30
13	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
14	Nanoscale Electron Bunching in Laser-Triggered Ionization Injection in Plasma Accelerators. Physical Review Letters, 2016, 117, 034801.	7.8	20
15	Capturing relativistic wakefield structures in plasmas using ultrashort high-energy electrons as a probe. Scientific Reports, 2016, 6, 29485.	3.3	26
16	Temporal characterization of ultrashort linearly chirped electron bunches generated from a laser wakefield accelerator. Physical Review Accelerators and Beams, 2016, 19, .	1.6	14