

Rob J Shalloo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6973699/publications.pdf>

Version: 2024-02-01

10
papers

272
citations

1163117

8
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

436
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Automation and control of laser wakefield accelerators using Bayesian optimization. Nature Communications, 2020, 11, 6355. | 12.8 | 78 |
| 2 | Hydrodynamic optical-field-ionized plasma channels. Physical Review E, 2018, 97, 053203. | 2.1 | 49 |
| 3 | Excitation and Control of Plasma Wakefields by Multiple Laser Pulses. Physical Review Letters, 2017, 119, 044802. | 7.8 | 39 |
| 4 | Low-density hydrodynamic optical-field-ionized plasma channels generated with an axicon lens. Physical Review Accelerators and Beams, 2019, 22, . | 1.6 | 37 |
| 5 | Generation of laser pulse trains for tests of multi-pulse laser wakefield acceleration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 383-385. | 1.6 | 17 |
| 6 | Meter-scale conditioned hydrodynamic optical-field-ionized plasma channels. Physical Review E, 2020, 102, 053201. | 2.1 | 17 |
| 7 | Recovery time of a plasma-wakefield accelerator. Nature, 2022, 603, 58-62. | 27.8 | 17 |
| 8 | Nonlinear dynamics of anti-hydrogen in magnetostatic traps: implications for gravitational measurements. Classical and Quantum Gravity, 2013, 30, 205014. | 4.0 | 16 |
| 9 | Faster laser pulses boost plasma accelerators. Nature Photonics, 2020, 14, 470-471. | 31.4 | 2 |
| 10 | Secondary wavelength stabilization of unbalanced Michelson interferometers for the generation of low-jitter pulse trains. Optics Letters, 2016, 41, 4068. | 3.3 | 0 |