## Matthew R Weis

## List of Publications by Year in descending order

Source: https:|/exaly.com/author-pdf/7210390/publications.pdf
Version: 2024-02-01


An overview of magneto-inertial fusion on the $Z$ machine at Sandia National Laboratories. Nuclear
Fusion, 2022, 62, 042015.

Estimation of stagnation performance metrics in magnetized liner inertial fusion experiments using Bayesian data assimilation. Physics of Plasmas, 2022, 29, .
1.9

20 Enhancing performance of magnetized liner inertial fusion at the $Z$ facility. Physics of Plasmas, 2018, 25, .
The staged z-pinch as a potential high gain fusion energy source: An independent review, a negative
conclusion. Physics of Plasmas, 2018, 25, 102707.

22 Laser-driven magnetized liner inertial fusion on OMEGA. Physics of Plasmas, 2017, 24, .
1.9

33
Direct measurement of the inertial confinement time in a magnetically driven implosion. Physics of
Plasmas, 2017, 24,

24 Laser-driven magnetized liner inertial fusion. Physics of Plasmas, 2017, 24, .
1.9

49
A 7.2 keV spherical x-ray crystal backlighter for two-frame, two-color backlighting at Sandiaâ€ $€^{\mathrm{TM}}$ s Z
Pulsed Power Facility. Review of Scientific Instruments, 2017, 88, 103503.
25
$1.3 \quad 12$

Coupling of sausage, kink, and magneto-Rayleigh-Taylor instabilities in a cylindrical liner. Physics of
Plasmas, 2015, 22, .
1.9

40
26

Temporal evolution of surface ripples on a finite plasma slab subject to the magneto-Rayleigh-Taylor
.
19

28 Effects of magnetic shear on magneto-Rayleigh-Taylor instability. Physics of Plasmas, 2012, 19, .

