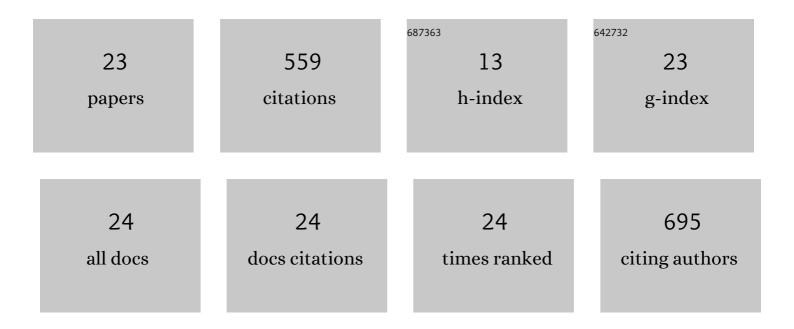
D H Barnak

List of Publications by Year in descending order

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D H RADNAK

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Effect of laser preheat in magnetized liner inertial fusion at OMEGA. Physics of Plasmas, 2022, 29, 042703. | 1.9 | 3 |
| 2 | Diagnosing magnetic fields in cylindrical implosions with oblique proton radiography. Physics of Plasmas, 2022, 29, . | 1.9 | 5 |
| 3 | Soft x-ray spectrum unfold of K-edge filtered x-ray diode arrays using cubic splines. Review of Scientific Instruments, 2020, 91, 073102. | 1.3 | 4 |
| 4 | Neutron yield enhancement and suppression by magnetization in laser-driven cylindrical implosions. Physics of Plasmas, 2020, 27, . | 1.9 | 15 |
| 5 | Axial proton probing of magnetic and electric fields inside laser-driven coils. Physics of Plasmas, 2020, 27, . | 1.9 | 16 |
| 6 | Modeling hydrodynamics, magnetic fields, and synthetic radiographs for high-energy-density plasma flows in shock-shear targets. Physics of Plasmas, 2020, 27, . | 1.9 | 5 |
| 7 | Characterizing laser preheat for laser-driven magnetized liner inertial fusion using soft x-ray emission. Physics of Plasmas, 2020, 27, 112709. | 1.9 | 5 |
| 8 | Inferring fuel areal density from secondary neutron yields in laser-driven magnetized liner inertial fusion. Physics of Plasmas, 2019, 26, . | 1.9 | 11 |
| 9 | Increasing the magnetic-field capability of the magneto-inertial fusion electrical discharge system using an inductively coupled coil. Review of Scientific Instruments, 2018, 89, 033501. | 1.3 | 10 |
| 10 | Measuring implosion velocities in experiments and simulations of laser-driven cylindrical implosions on the OMEGA laser. Plasma Physics and Controlled Fusion, 2018, 60, 054014. | 2.1 | 14 |
| 11 | Optimization of laser-driven cylindrical implosions on the OMEGA laser. Physics of Plasmas, 2018, 25, 122701. | 1.9 | 12 |
| 12 | Inductively coupled 30 T magnetic field platform for magnetized high-energy-density plasma studies. Review of Scientific Instruments, 2018, 89, 084703. | 1.3 | 11 |
| 13 | Laser entrance window transmission and reflection measurements for preheating in magnetized liner iner inertial fusion. Physics of Plasmas, 2018, 25, 062704. | 1.9 | 9 |
| 14 | Laser-driven magnetized liner inertial fusion on OMEGA. Physics of Plasmas, 2017, 24, . | 1.9 | 33 |
| 15 | Laser-driven magnetized liner inertial fusion. Physics of Plasmas, 2017, 24, . | 1.9 | 49 |
| 16 | High-Mach number, laser-driven magnetized collisionless shocks. Physics of Plasmas, 2017, 24, . | 1.9 | 23 |
| 17 | Generation and Evolution of High-Mach-Number Laser-Driven Magnetized Collisionless Shocks in the Laboratory. Physical Review Letters, 2017, 119, 025001. | 7.8 | 66 |
| 18 | Target material dependence of positron generation from high intensity laser-matter interactions. Physics of Plasmas, 2016, 23, . | 1.9 | 18 |

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Diagnosing laser-preheated magnetized plasmas relevant to magnetized liner inertial fusion. Physics of Plasmas, 2015, 22, . | 1.9 | 21 |
| 20 | Note: Experimental platform for magnetized high-energy-density plasma studies at the omega laser facility. Review of Scientific Instruments, 2015, 86, 016105. | 1.3 | 50 |
| 21 | Use of external magnetic fields in hohlraum plasmas to improve laser-coupling. Physics of Plasmas, 2015, 22, . | 1.9 | 45 |
| 22 | Magnetic collimation of relativistic positrons and electrons from high intensity laser–matter interactions. Physics of Plasmas, 2014, 21, . | 1.9 | 37 |
| 23 | Magnetic Reconnection between Colliding Magnetized Laser-Produced Plasma Plumes. Physical Review Letters, 2014, 113, 105003. | 7.8 | 97 |