

Michael Donovan

List of Publications by Year in descending order

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28
papers

829
citations

933447

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888059

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28
all docs

28
docs citations

28
times ranked

1103
citing authors

#	ARTICLE	IF	CITATIONS
1	A Pulse Length and Intensity Study of Proton Generation from Microtube Foil Targets. , 2022, , .		0
2	Enhancements in laser-generated hot-electron production via focusing cone targets at short pulse and high contrast. Physical Review E, 2021, 103, 053207.	2.1	13
3	The response function of Fujifilm BAS-TR imaging plates to laser-accelerated titanium ions. Review of Scientific Instruments, 2019, 90, 083302.	1.3	10
4	Spectral shaping of a 5â€‰%Hz, multi-joule OPCPA frontend for a 10â€‰%â€‰PW laser system. , 2019, , .		2
5	Beam distortion effects upon focusing an ultrashort petawatt laser pulse to greater than 10^{22} W/cm ² . Optics Letters, 2019, 44, 2764.	3.3	26
6	Neutron enhancement from laser interaction with a critical fluid. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 94-98.	2.1	9
7	Range of plasma ions in cold cluster gases near the critical point. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1682-1686.	2.1	7
8	Generation of tens-of-MeV photons by compton backscatter from laser-plasma-accelerated GeV electrons. AIP Conference Proceedings, 2017, , .	0.4	2
9	ELI-beamlines: progress in development of next generation short-pulse laser systems. , 2017, , .		12
10	Faraday Rotation Probe of Laser-Plasma Bubble Structures in Petawatt-Driven Wakes. , 2017, , .		0
11	Betatron x-rays from GeV laser-plasma-accelerated electrons. AIP Conference Proceedings, 2016, , .	0.4	1
12	Impact of pre-plasma on fast electron generation and transport from short pulse, high intensity lasers. Nuclear Fusion, 2016, 56, 016007.	3.5	4
13	Production of tens-of-MeV Compton gamma-rays from a 2 GeV laser-plasma electron accelerator. , 2016, , .		0
14	High e^+/e^- Ratio Dense Pair Creation with 1021W.cm ² Laser Irradiating Solid Targets. Scientific Reports, 2015, 5, 13968.	3.3	59
15	Pulse Contrast Measurements of the Texas Petawatt Laser. , 2014, , .		0
16	A laser application to nuclear astrophysics. , 2014, , .		1
17	GeV Electrons and High brightness Betatron X-rays from Petawatt-Laser-Driven Plasma Accelerators. , 2014.		1
18	Temperature Measurements of Fusion Plasmas Produced by Petawatt-Laser-Irradiated $D_2 \hat{a} \text{He}^3$ $D_2 \text{He}^3$	7.8	40

