

Michael A Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

302
citations

1163117

8
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

378
citing authors

#	ARTICLE	IF	CITATIONS
1	3D printed gradient index glass optics. <i>Science Advances</i> , 2020, 6, .	10.3	70
2	Additive Manufacturing of Optical Quality Germaniaâ€“Silica Glasses. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6736-6741.	8.0	39
3	Update 2017 on Target Fabrication Requirements for High-Performance NIF Implosion Experiments. <i>Fusion Science and Technology</i> , 2018, 73, 83-88.	1.1	2
4	3D Printed Optical Quality Silica and Silicaâ€“Titania Glasses from Solâ€“Gel Feedstocks. <i>Advanced Materials Technologies</i> , 2018, 3, 1700323.	5.8	74
5	Probing the seeding of hydrodynamic instabilities from nonuniformities in ablator materials using 2D velocimetry. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	32
6	Hydrodynamic instability seeding by oxygen nonuniformities in glow discharge polymer inertial fusion ablaters. <i>Physical Review E</i> , 2018, 98, .	2.1	10
7	Update 2015 on Target Fabrication Requirements for NIF Layered Implosions, with Emphasis on Capsule Support and Oxygen Modulations in GDP. <i>Fusion Science and Technology</i> , 2016, 70, 121-126.	1.1	16
8	Surface Modification of ICF Target Capsules by Pulsed Laser Ablation. <i>Fusion Science and Technology</i> , 2016, 70, 141-153.	1.1	3
9	Instability growth seeded by oxygen in CH shells on the National Ignition Facility. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	46
10	Increasing the Throughput of Phase-Shifting Diffraction Interferometer for Quantitative Characterization of ICF Ablator Capsule Surfaces. <i>Fusion Science and Technology</i> , 2009, 55, 405-410.	1.1	10