James Oakdale

List of Publications by Year
in descending order

15	601	1163117 8	1058476 14
papers	citations	h-index	g-index

15	15	15	872
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Scalable submicrometer additive manufacturing. Science, 2019, 366, 105-109.	12.6	293
2	Post-print UV curing method for improving the mechanical properties of prototypes derived from two-photon lithography. Optics Express, 2016, 24, 27077.	3.4	76
3	3Dâ€Printable Fluoropolymer Gas Diffusion Layers for CO₂ Electroreduction. Advanced Materials, 2021, 33, e2003855.	21.0	65
4	Direct Laser Writing of Lowâ€Density Interdigitated Foams for Plasma Drive Shaping. Advanced Functional Materials, 2017, 27, 1702425.	14.9	44
5	Radiopaque Resists for Two-Photon Lithography To Enable Submicron 3D Imaging of Polymer Parts via X-ray Computed Tomography. ACS Applied Materials & Interfaces, 2018, 10, 1164-1172.	8.0	32
6	Ultra-low-density digitally architected carbon with a strutted tube-in-tube structure. Nature Materials, 2021, 20, 1498-1505.	27.5	28
7	3D Printing of High Viscosity Reinforced Silicone Elastomers. Polymers, 2021, 13, 2239.	4.5	24
8	Carbon aerogels with integrated engineered macroporous architectures for improved mass transport. Carbon, 2021, 179, 125-132.	10.3	10
9	Highâ€Speed Direct Laser Writing of Silver Nanostructures via Twoâ€Photon Reduction. Advanced Engineering Materials, 2019, 21, 1900583.	3.5	9
10	Experimental and calculational investigation of laser-heated additive manufactured foams. Physics of Plasmas, 2021, 28, .	1.9	9
11	Simulation studies of the interaction of laser radiation with additively manufactured foams. Plasma Physics and Controlled Fusion, 2021, 63, 055009.	2.1	5
12	Scalingâ€Up of Nanoâ€Architected Microstructures: A Mechanical Assessment. Advanced Engineering Materials, 2019, 21, 1900687.	3.5	4
13	Porous Materials: Direct Laser Writing of Lowâ€Density Interdigitated Foams for Plasma Drive Shaping (Adv. Funct. Mater. 43/2017). Advanced Functional Materials, 2017, 27, .	14.9	1
14	Use of wire grid polarizers with liquid crystal display for large-volume stereolithography. Additive Manufacturing, 2022, 52, 102641.	3.0	1
15	Effect of micron-scale manufacturing flaws on the tensile response of centimeter sized two-photon polymerization microlattices. MRS Communications, 2021, 11, 189-196.	1.8	0