

# Jincheng Lei

## List of Publications by Year in descending order

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19  
papers

186  
citations

1040056

9  
h-index

1125743

13  
g-index

19  
all docs

19  
docs citations

19  
times ranked

217  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Printing of All-Glass Fiber-Optic Pressure Sensor for High Temperature Applications. IEEE Sensors Journal, 2019, 19, 11242-11246.	4.7	29
2	Fabricating ceramics with embedded microchannels using an integrated additive manufacturing and laser machining method. Journal of the American Ceramic Society, 2019, 102, 1071-1082.	3.8	18
3	Engineering of microstructures of protonic ceramics by a novel rapid laser reactive sintering for ceramic energy conversion devices. Solid State Ionics, 2018, 320, 369-377.	2.7	15
4	A photoacoustic imaging method for in-situ monitoring of laser assisted ceramic additive manufacturing. Optics and Laser Technology, 2019, 115, 459-464.	4.6	15
5	A Novel Laser 3D Printing Method for the Advanced Manufacturing of Protonic Ceramics. Membranes, 2020, 10, 98.	3.0	13
6	A microfiber half coupler for refractive index sensing. IEEE Photonics Technology Letters, 2017, , 1-1.	2.5	10
7	One-Step Fabrication of Nanocrystalline Nanonetwork SnO <sub>2</sub> Gas Sensors by Integrated Multilaser Processing. Advanced Materials Technologies, 2020, 5, 2000281.	5.8	10
8	Ultra-fast, selective, non-melting, laser sintering of alumina with anisotropic and size-suppressed grains. Journal of the American Ceramic Society, 2021, 104, 1997-2006.	3.8	10
9	Thick Er-doped silica films sintered using CO <sub>2</sub> laser for scintillation applications. Optical Materials, 2017, 68, 63-69.	3.6	9
10	Laser-assisted embedding of all-glass optical fiber sensors into bulk ceramics for high-temperature applications. Optics and Laser Technology, 2020, 128, 106223.	4.6	9
11	Phase Demodulation by Frequency Chirping in Coherence Microwave Photonic Interferometry. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-9.	2.9	9
12	The effect of laser sintering on the microstructure, relative density, and cracking of sol-gel derived silica thin films. Journal of the American Ceramic Society, 2020, 103, 70-81.	3.8	8
13	Glass 3D Printing of Microfluidic Pressure Sensor Interrogated by Fiber-Optic Refractometry. IEEE Photonics Technology Letters, 2020, 32, 414-417.	2.5	8
14	Additive Manufacturing of Fused Silica Glass Using Direct Laser Melting. , 2019, , .		6
15	Direct laser melting of Al <sub>2</sub> O <sub>3</sub> ceramic paste for application in ceramic additive manufacturing. Ceramics International, 2022, 48, 14273-14280.	4.8	6
16	Rapid Laser Processing of Thin Sr-Doped LaCrO <sub>3</sub> Interconnects for Solid Oxide Fuel Cells. Energy Technology, 2020, 8, 2000364.	3.8	5
17	Information integrated glass module fabricated by integrated additive and subtractive manufacturing. Optics Letters, 2020, 45, 1663.	3.3	4
18	Direct inkjet printing of mullite nano-ribbons from the sol-gel precursor. Journal of Sol-Gel Science and Technology, 2020, 95, 66-76.	2.4	2

#	ARTICLE	IF	CITATIONS
19	Rapid Laser Processing of Thin Srâ€Doped LaCrO <sub>3</sub> Interconnects for Solid Oxide Fuel Cells. Energy Technology, 2020, 8, 2070104.	3.8	0