

# Xiang-Fan Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

525  
citations

759233

12  
h-index

794594

19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

824  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Speed 3D Printing of Millimeter-Size Customized Aspheric Imaging Lenses with Sub 7 nm Surface Roughness. <i>Advanced Materials</i> , 2018, 30, e1705683.	21.0	98
2	3D Printing-Enabled Nanoparticle Alignment: A Review of Mechanisms and Applications. <i>Small</i> , 2021, 17, e2100817.	10.0	61
3	Disposable ultrasound-sensing chronic cranial window by soft nanoimprinting lithography. <i>Nature Communications</i> , 2019, 10, 4277.	12.8	52
4	High-speed on-demand 3D printed bioresorbable vascular scaffolds. <i>Materials Today Chemistry</i> , 2018, 7, 25-34.	3.5	50
5	Rapid 3D Printing of Bioinspired Hybrid Structures for High-Efficiency Fog Collection and Water Transportation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 29122-29129.	8.0	38
6	Numerical and experimental investigation of light trapping effect of nanostructured diatom frustules. <i>Scientific Reports</i> , 2015, 5, 11977.	3.3	36
7	The Development of an All-polymer-based Piezoelectric Photocurable Resin for Additive Manufacturing. <i>Procedia CIRP</i> , 2017, 65, 157-162.	1.9	35
8	A novel piezoelectrically actuated 2-DoF compliant micro/nano-positioning stage with multi-level amplification. <i>Review of Scientific Instruments</i> , 2016, 87, 105006.	1.3	28
9	Design of Non-Deterministic Quasi-random Nanophotonic Structures Using Fourier Space Representations. <i>Scientific Reports</i> , 2017, 7, 3752.	3.3	24
10	Aligned $\text{Ti}_3\text{C}_2\text{Tx}$ MXene for 3D Micropatterning via Additive Manufacturing. <i>ACS Nano</i> , 2021, 15, 12057-12068.	14.6	23
11	Parallel Three-Dimensional Tracking of Quantum Rods Using Polarization-Sensitive Spectroscopic Photon Localization Microscopy. <i>ACS Photonics</i> , 2017, 4, 1747-1752.	6.6	20
12	Gigahertz All-Optical Modulation Using Reconfigurable Nanophotonic Metamolecules. <i>Nano Letters</i> , 2016, 16, 7690-7695.	9.1	14
13	Scalable nanofabrication of U-shaped nanowire resonators with tunable optical magnetism. <i>Optics Express</i> , 2016, 24, 6367.	3.4	10
14	Accelerating terahertz all-optical modulation by hot carriers effects of silver nanorods in PVA film. <i>AIP Advances</i> , 2019, 9, 075017.	1.3	8
15	Scaling the Artificial Polariton Bandgap at Infrared Frequencies Using Indium Tin Oxide Nanorod Arrays. <i>Advanced Optical Materials</i> , 2016, 4, 2077-2084.	7.3	7
16	Continuous Three-Dimensional Printing of Architected Piezoelectric Sensors in Minutes. <i>Research</i> , 2022, 2022, .	5.7	7
17	45% Periodicity Reduction in Nanocomposite Thin Films via Rapid Solvent Removal. <i>Macromolecules</i> , 2019, 52, 1803-1809.	4.8	6
18	High-throughput 3D printing of customized imaging lens. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	High-resolution 3D printing magnetically-active microstructures using micro-CLIP process. , 2019, , .		2
20	Understanding the nanophotonic light-trapping structure of diatom frustule for enhanced solar energy conversion: a theoretical and experimental study. , 2014, , .		1
21	Theoretical and experimental manipulation of plasmon-polariton bandgaps at infrared frequencies in indium-tin-oxide nanorod arrays. , 2016, , .		1
22	Hyperbolic Dispersion via Symmetric and Antisymmetric Orderings of Artificial Magnetic Dipole Array. ACS Photonics, 2018, 5, 4469-4475.	6.6	1
23	High-Throughput 3D Printing of Customized Imaging Lenses. , 2018, , .		0
24	Bio-inspired Design Strategy of Quasi-random Structures for Optimal Light Control. , 2016, , .		0