

# Chuanzhen Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7258316/publications.pdf>

Version: 2024-02-01

27  
papers

1,740  
citations

430874

18  
h-index

610901

24  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2635  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aptamer-Field-Effect Transistors Overcome Debye Length Limitations for Small-Molecule Sensing. <i>Science</i> , 2018, 362, 319-324.	12.6	570
2	Fabrication of High-Performance Ultrathin In <sub>2</sub> O <sub>3</sub> Film Field-Effect Transistors and Biosensors Using Chemical Lift-Off Lithography. <i>ACS Nano</i> , 2015, 9, 4572-4582.	14.6	156
3	Wearable aptamer-field-effect transistor sensing system for noninvasive cortisol monitoring. <i>Science Advances</i> , 2022, 8, eabk0967.	10.3	118
4	Precision-Guided Nanospears for Targeted and High-Throughput Intracellular Gene Delivery. <i>ACS Nano</i> , 2018, 12, 4503-4511.	14.6	103
5	Small GSH-Capped CuInS <sub>2</sub> Quantum Dots: MPA-Assisted Aqueous Phase Transfer and Bioimaging Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17623-17629.	8.0	91
6	Multiple-Patterning Nanosphere Lithography for Fabricating Periodic Three-Dimensional Hierarchical Nanostructures. <i>ACS Nano</i> , 2017, 11, 10384-10391.	14.6	83
7	Implantable aptamer-Field-Effect Transistor Neuroprobes for In Vivo Neurotransmitter Monitoring. <i>Science Advances</i> , 2021, 7, eabj7422.	10.3	68
8	Tumor-Targeted Multimodal Optical Imaging with Versatile Cadmium-Free Quantum Dots. <i>Advanced Functional Materials</i> , 2016, 26, 267-276.	14.9	65
9	Phenylalanine Monitoring via Aptamer-Field-Effect Transistor Sensors. <i>ACS Sensors</i> , 2019, 4, 3308-3317.	7.8	57
10	Spin-Dependent Ionization of Chiral Molecular Films. <i>Journal of the American Chemical Society</i> , 2019, 141, 3863-3874.	13.7	50
11	Flexible Multiplexed In <sub>2</sub> O <sub>3</sub> Nanoribbon Aptamer-Field-Effect Transistors for Biosensing. <i>IScience</i> , 2020, 23, 101469.	4.1	45
12	Polymer-Pen Chemical Lift-Off Lithography. <i>Nano Letters</i> , 2017, 17, 3302-3311.	9.1	39
13	Mechanochromic Behavior of Aryl-Substituted Buta-1,3-Diene Derivatives with Aggregation Enhanced Emission. <i>Chemistry - A European Journal</i> , 2014, 20, 8856-8861.	3.3	37
14	Single-Step Dual-Layer Photolithography for Tunable and Scalable Nanopatterning. <i>ACS Nano</i> , 2021, 15, 12180-12188.	14.6	37
15	A Mediator-Free Electroenzymatic Sensing Methodology to Mitigate Ionic and Electroactive Interferents' Effects for Reliable Wearable Metabolite and Nutrient Monitoring. <i>Advanced Functional Materials</i> , 2020, 30, 1908507.	14.9	36
16	Narrower Nanoribbon Biosensors Fabricated by Chemical Lift-off Lithography Show Higher Sensitivity. <i>ACS Nano</i> , 2021, 15, 904-915.	14.6	33
17	Intracellular Photothermal Delivery for Suspension Cells Using Sharp Nanoscale Tips in Microwells. <i>ACS Nano</i> , 2019, 13, 10835-10844.	14.6	32
18	Large-Area, Ultrathin Metal-Oxide Semiconductor Nanoribbon Arrays Fabricated by Chemical Lift-Off Lithography. <i>Nano Letters</i> , 2018, 18, 5590-5595.	9.1	27

#	ARTICLE	IF	CITATIONS
19	Self-Collapse Lithography. Nano Letters, 2017, 17, 5035-5042.	9.1	19
20	Scalable Fabrication of Quasi-One-Dimensional Gold Nanoribbons for Plasmonic Sensing. Nano Letters, 2020, 20, 1747-1754.	9.1	19
21	A Microfabricated Sandwiching Assay for Nanoliter and High-Throughput Biomarker Screening. Small, 2019, 15, e1900300.	10.0	18
22	Photothermal Intracellular Delivery Using Gold Nanodisk Arrays. , 2020, 2, 1475-1483.		15
23	Chemical Lift-Off Lithography of Metal and Semiconductor Surfaces. , 2020, 2, 76-83.		14
24	Instant Intracellular Delivery of miRNA via Photothermal Effect Induced on Plasmonic Pyramid Arrays. Advanced Functional Materials, 2022, 32, 2107999.	14.9	6
25	High-Throughput Drug Screening: A Microfabricated Sandwiching Assay for Nanoliter and High-Throughput Biomarker Screening (Small 15/2019). Small, 2019, 15, 1970078.	10.0	1
26	Electroenzymatic Sensors: A Mediator-Free Electroenzymatic Sensing Methodology to Mitigate Ionic and Electroactive Interferents' Effects for Reliable Wearable Metabolite and Nutrient Monitoring (Adv. Funct. Mater. 10/2020). Advanced Functional Materials, 2020, 30, 2070066.	14.9	0
27	Instant Intracellular Delivery of miRNA via Photothermal Effect Induced on Plasmonic Pyramid Arrays (Adv. Funct. Mater. 9/2022). Advanced Functional Materials, 2022, 32, .	14.9	0