

# Xuan Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2000242/publications.pdf>

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13  
papers

286  
citations

1040056

9  
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1125743

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docs citations

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times ranked

230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zn-based metal organic framework-covalent organic framework composites for trace lead extraction and fluorescence detection of TNP. <i>Journal of Hazardous Materials</i> , 2021, 411, 125021.	12.4	60
2	Dual-Multivalent-Aptamer-Conjugated Nanoprobes for Superefficient Discerning of Single Circulating Tumor Cells in a Microfluidic Chip with Inductively Coupled Plasma Mass Spectrometry Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 43668-43675.	8.0	38
3	Inertial-Force-Assisted, High-Throughput, Droplet-Free, Single-Cell Sampling Coupled with ICP-MS for Real-Time Cell Analysis. <i>Analytical Chemistry</i> , 2020, 92, 6604-6612.	6.5	36
4	A Spiral-Helix (3D) Tubing Array That Ensures Ultrahigh-Throughput Single-Cell Sampling. <i>Analytical Chemistry</i> , 2019, 91, 15826-15832.	6.5	31
5	Recent advances in single-cell ultra-trace analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 127, 115886.	11.4	26
6	Three-gradient constructions in a flow-rate insensitive microfluidic system for drug screening towards personalized treatment. <i>Talanta</i> , 2020, 208, 120477.	5.5	22
7	The up-to-date strategies for the isolation and manipulation of single cells. <i>Talanta</i> , 2020, 218, 121147.	5.5	19
8	Two-Dimensional Cytometry Platform for Single-Particle/Cell Analysis with Laser-Induced Fluorescence and ICP-MS. <i>Analytical Chemistry</i> , 2021, 93, 8203-8209.	6.5	18
9	Regulating Secondary Flow in Ultra-Low Aspect Ratio Microchannels by Dimensional Confinement. <i>Advanced Theory and Simulations</i> , 2018, 1, 1700034.	2.8	12
10	Immunolabeling lanthanide nanoparticles for alpha-fetoprotein measurement and cancer cells counting with detection of ICP-MS. <i>Analytica Chimica Acta</i> , 2022, 1201, 339639.	5.4	8
11	Intracellular silver speciation by coupling capillary electrophoresis to ICP-MS integrating a high performance spiral flow spray chamber. <i>Analytica Chimica Acta</i> , 2021, 1166, 338540.	5.4	7
12	Identification of intracellular cadmium transformation in HepG2 and MCF-7 cells. <i>Talanta</i> , 2020, 218, 121065.	5.5	5
13	Cryogenic Laser Ablation in a Rapid Cooling Chamber Ensures Excellent Elemental Imaging in Fresh Biological Tissues. <i>Analytical Chemistry</i> , 2022, 94, 8547-8553.	6.5	4