

# Shaobin Zhu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5121708/publications.pdf>

Version: 2024-02-01

31  
papers

1,744  
citations

361413

20  
h-index

434195

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2884  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Quality and efficiency assessment of six extracellular vesicle isolation methods by nano-flow cytometry. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1697028.   | 12.2 | 353       |
| 2  | Protein Profiling and Sizing of Extracellular Vesicles from Colorectal Cancer Patients via Flow Cytometry. <i>ACS Nano</i> , 2018, 12, 671-680.   | 14.6 | 333       |
| 3  | Light-Scattering Detection below the Level of Single Fluorescent Molecules for High-Resolution Characterization of Functional Nanoparticles. <i>ACS Nano</i> , 2014, 8, 10998-11006.  | 14.6 | 159       |
| 4  | Electrochemical Intramolecular Aminooxygenation of Unactivated Alkenes. <i>Chemistry - A European Journal</i> , 2014, 20, 12740-12744.  | 3.3  | 96        |
| 5  | Development of an Ultrasensitive Dual-Channel Flow Cytometer for the Individual Analysis of Nanosized Particles and Biomolecules. <i>Analytical Chemistry</i> , 2009, 81, 2555-2563.  | 6.5  | 70        |
| 6  | Size Differentiation and Absolute Quantification of Gold Nanoparticles via Single Particle Detection with a Laboratory-Built High-Sensitivity Flow Cytometer. <i>Journal of the American Chemical Society</i> , 2010, 132, 12176-12178. | 13.7 | 65        |
| 7  | Label-Free Analysis of Single Viruses with a Resolution Comparable to That of Electron Microscopy and the Throughput of Flow Cytometry. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10239-10243.                       | 13.8 | 58        |
| 8  | Detection and Quantification of Bacterial Autofluorescence at the Single-Cell Level by a Laboratory-Built High-Sensitivity Flow Cytometer. <i>Analytical Chemistry</i> , 2012, 84, 1526-1532.   | 6.5  | 54        |
| 9  | Analytical techniques for single-liposome characterization. <i>Analytical Methods</i> , 2013, 5, 2150.  | 2.7  | 47        |
| 10 | Multiparameter Quantification of Liposomal Nanomedicines at the Single-Particle Level by High-Sensitivity Flow Cytometry. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13913-13919.   | 8.0  | 44        |
| 11 | Rapid, Absolute, and Simultaneous Quantification of Specific Pathogenic Strain and Total Bacterial Cells Using an Ultrasensitive Dual-Color Flow Cytometer. <i>Analytical Chemistry</i> , 2010, 82, 1109-1116.                          | 6.5  | 43        |
| 12 | High-Throughput Multiparameter Analysis of Individual Mitochondria. <i>Analytical Chemistry</i> , 2012, 84, 6421-6428.  | 6.5  | 43        |
| 13 | Sensitive and Selective Bacterial Detection Using Tetracysteine-Tagged Phages in Conjunction with Biarsenical Dye. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5873-5877.  | 13.8 | 40        |
| 14 | Electrochemical C-H phosphorylation of arenes in continuous flow suitable for late-stage functionalization. <i>Nature Communications</i> , 2021, 12, 6629.  | 12.8 | 38        |
| 15 | Synthesis of Acridinium Photocatalysts via Site-Selective C-H Alkylation. <i>CCS Chemistry</i> , 2021, 3, 317-325.  | 7.8  | 37        |
| 16 | Single Particle Orientation and Rotational Tracking (SPORT) in biophysical studies. <i>Nanoscale</i> , 2013, 5, 10753.  | 5.6  | 30        |
| 17 | Identification of Mitochondria-Targeting Anticancer Compounds by an <i>In Vitro</i> Strategy. <i>Analytical Chemistry</i> , 2014, 86, 5232-5237.  | 6.5  | 28        |
| 18 | Stochastic Optical Reconstruction Microscopy Imaging of Microtubule Arrays in Intact <i>Arabidopsis thaliana</i> Seedling Roots. <i>Scientific Reports</i> , 2015, 5, 15694.  | 3.3  | 26        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Trace Detection of Specific Viable Bacteria Using Tetracycline-Tagged Bacteriophages. <i>Analytical Chemistry</i> , 2014, 86, 907-912.   | 6.5  | 25        |
| 20 | Electrochemical aromatic C-H hydroxylation in continuous flow. <i>Nature Communications</i> , 2022, 13, .  | 12.8 | 23        |
| 21 | Quantitative Assessment of the Physical Virus Titer and Purity by Ultrasensitive Flow Virometry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9351-9356.   | 13.8 | 21        |
| 22 | Quantification of Available Ligand Density on the Surface of Targeted Liposomal Nanomedicines at the Single-Particle Level. <i>ACS Nano</i> , 2022, 16, 6886-6897.   | 14.6 | 20        |
| 23 | Light-Scattering Sizing of Single Submicron Particles by High-Sensitivity Flow Cytometry. <i>Analytical Chemistry</i> , 2018, 90, 12768-12775.   | 6.5  | 19        |
| 24 | Integrating Continuous-Flow Electrochemistry and Photochemistry for the Synthesis of Acridinium Photocatalysts Via Site-Selective C-H Alkylation. <i>Organic Process Research and Development</i> , 2021, 25, 2608-2613. | 2.7  | 17        |
| 25 | Progress in the development of techniques based on light scattering for single nanoparticle detection. <i>Science China Chemistry</i> , 2011, 54, 1244-1253.   | 8.2  | 12        |
| 26 | Quantification of protein copy number in single mitochondria: The Bcl-2 family proteins. <i>Biosensors and Bioelectronics</i> , 2015, 74, 476-482.   | 10.1 | 12        |
| 27 | High-throughput single-cell analysis of low copy number $\beta$ -galactosidase by a laboratory-built high-sensitivity flow cytometer. <i>Biosensors and Bioelectronics</i> , 2013, 48, 49-55.                            | 10.1 | 11        |
| 28 | Label-Free Analysis of Single Viruses with a Resolution Comparable to That of Electron Microscopy and the Throughput of Flow Cytometry. <i>Angewandte Chemie</i> , 2016, 128, 10395-10399.                               | 2.0  | 9         |
| 29 | High angular-resolution automated visible-wavelength scanning angle Raman microscopy. <i>Analytica Chimica Acta</i> , 2014, 848, 61-66.  | 5.4  | 5         |
| 30 | Quantitative Assessment of the Physical Virus Titer and Purity by Ultrasensitive Flow Virometry. <i>Angewandte Chemie</i> , 2021, 133, 9437-9442.  | 2.0  | 3         |
| 31 | Super-Resolution Imaging in Plant Cells. <i>Biophysical Journal</i> , 2014, 106, 200a.   | 0.5  | 0         |