

# Ziyu Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7328216/publications.pdf>

Version: 2024-02-01

13  
papers

195  
citations

1478505

6  
h-index

1281871

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

201  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Quantitative SERS sensing mediated by internal standard Raman signal from silica nanoparticles in flexible polymer matrix. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121304.  | 3.9  | 4         |
| 2  | SERS-based immunoassay and degradation of CA19-9 mediated by gold nanowires anchored magnetic semiconductor nanocomposites. <i>Journal of Hazardous Materials</i> , 2021, 403, 124009.  | 12.4 | 45        |
| 3  | High-voltage AlInN/GaN superjunction fin-gate high electron mobility transistor for power-switching application. <i>Micro and Nano Letters</i> , 2021, 16, 363.   | 1.3  | 0         |
| 4  | Immunoassay of Tumor Markers Based on Graphene Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Bio Materials</i> , 2020, 3, 8012-8022.  | 4.6  | 17        |
| 5  | Sandwich Au/SiO <sub>2</sub> /Ag hybrid substrate: synthesis, characterization, and surface-enhanced Raman scattering performance. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.   | 1.9  | 5         |
| 6  | Recyclable SERS-Based Immunoassay Guided by Photocatalytic Performance of Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> @Au Nanocomposites. <i>Biosensors</i> , 2020, 10, 25.  | 4.7  | 22        |
| 7  | Quantitative and Recyclable Surface-Enhanced Raman Spectroscopy Immunoassay Based on Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> @Ag Core-Shell Nanoparticles and Au Nanowire/Polydimethylsiloxane Substrates. <i>ACS Applied Nano Materials</i> , 2020, 3, 4610-4622. | 5.0  | 30        |
| 8  | Hollow Ag dendritic nanoplates with serrated inner surfaces for sensitive SERS-based detection. <i>Materials Research Express</i> , 2019, 6, 105053.  | 1.6  | 4         |
| 9  | Theoretical investigation of high-voltage superjunction GaN-based vertical hetero-junction field effect transistor with ununiformly doped buffer to suppress charge imbalance effect. <i>Semiconductor Science and Technology</i> , 2019, 34, 065012.                       | 2.0  | 4         |
| 10 | Numerical analysis of high-voltage RESURF AlGaIn/GaN high-electron-mobility transistor with graded doping buffer and slant back electrode. <i>Micro and Nano Letters</i> , 2019, 14, 1282-1286.   | 1.3  | 0         |
| 11 | A Vacancy-Interstitial Defect Pair Model for Positive-Bias Temperature Stress-Induced Electron Trapping Transformation in the High- $\kappa$ Gate n-MOSFET. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 2505-2511.   | 3.0  | 4         |
| 12 | Hydrothermal synthesis of Ag@MSiO <sub>2</sub> @Ag three core-shell nanoparticles and their sensitive and stable SERS properties. <i>Nanoscale</i> , 2016, 8, 4908-4914.  | 5.6  | 49        |
| 13 | High-voltage RESURF AlGaIn/GaN high electron mobility transistor with back electrode. <i>Electronics Letters</i> , 2013, 49, 1638-1640.   | 1.0  | 11        |