

# Anle Ge

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

239  
citations

1039406

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h-index

996533

15  
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15  
all docs

15  
docs citations

15  
times ranked

258  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A Palm Germ-Radar (PaGeR) for rapid and simple COVID-19 detection by reverse transcription loop-mediated isothermal amplification (RT-LAMP). <i>Biosensors and Bioelectronics</i> , 2022, 200, 113925.                 | 5.3  | 19        |
| 2  | A low-cost microfluidic platform coupled with light emitting diode for optogenetic analysis of neuronal response in <i>C. elegans</i> . <i>Talanta</i> , 2021, 223, 121646.  | 2.9  | 3         |
| 3  | Rapid generation of hybrid biochemical/mechanical cues in heterogeneous droplets for high-throughput screening of cellular responses. <i>Lab on A Chip</i> , 2021, 21, 2691-2701.                                      | 3.1  | 8         |
| 4  | An integrated microfluidic device for studying controllable gas embolism induced cellular responses. <i>Talanta</i> , 2020, 208, 120484.   | 2.9  | 3         |
| 5  | Liquid Metal Initiator of Ring-Opening Polymerization: Self-Capsulation into Thermal/Photomoldable Powder for Multifunctional Composites. <i>Advanced Materials</i> , 2020, 32, e2003553.                              | 11.1 | 58        |
| 6  | A fully integrated hand-powered centrifugal microfluidic platform for ultra-simple and non-instrumental nucleic acid detection. <i>Talanta</i> , 2020, 219, 121221.  | 2.9  | 8         |
| 7  | A dual-stimulation strategy in a micro-chip for the investigation of mechanical associative learning behavior of <i>C. elegans</i> . <i>Talanta</i> , 2020, 215, 120900.   | 2.9  | 3         |
| 8  | Profile analysis of <i>C. elegans</i> rheotaxis behavior using a microfluidic device. <i>Lab on A Chip</i> , 2019, 19, 475-483.  | 3.1  | 17        |
| 9  | A microfluidic microfilter chip driven by electrotaxis and fluid flow for size-dependent <i>C. elegans</i> sorting with high purity and efficiency. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 311-319.     | 4.0  | 11        |
| 10 | Real-time monitoring of immune responses under pathogen invasion and drug interference by integrated microfluidic device coupled with worm-based biosensor. <i>Biosensors and Bioelectronics</i> , 2018, 110, 233-238. | 5.3  | 18        |
| 11 | Logarithmic bacterial gradient chip for analyzing the effects of dietary restriction on <i>C. elegans</i> growth. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 735-744.                                       | 4.0  | 15        |
| 12 | A novel on-chip immobilization strategy for imaging analysis of neuronal response to gas cues in <i>C. elegans</i> . <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 1152-1159.                                  | 4.0  | 3         |
| 13 | An on-demand gas segmented flow generator with high spatiotemporal resolution for in vivo analysis of neuronal response in <i>C. elegans</i> . <i>Lab on A Chip</i> , 2016, 16, 4020-4027.                             | 3.1  | 9         |
| 14 | Highly efficient microfluidic sorting device for synchronizing developmental stages of <i>C. elegans</i> based on deflecting electrotaxis. <i>Lab on A Chip</i> , 2015, 15, 2513-2521.                                 | 3.1  | 45        |
| 15 | Quantitative analysis of <i>Caenorhabditis elegans</i> chemotaxis using a microfluidic device. <i>Analytica Chimica Acta</i> , 2015, 887, 155-162.   | 2.6  | 19        |