

# Kai Chang

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

511  
citations

840776

11  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

847  
citing authors

#	ARTICLE	IF	CITATIONS
1	A multiplexed circulating tumor DNA detection platform engineered from 3D-coded interlocked DNA rings. <i>Bioactive Materials</i> , 2022, 10, 68-78.	15.6	7
2	Enzyme-free and copper-free strategy based on cyclic click chemical-triggered hairpin stacking circuit for accurate detection of circulating microRNAs. <i>Analytica Chimica Acta</i> , 2022, 1191, 339282.	5.4	2
3	Programming a DNA tetrahedral nanomachine as an integrative tool for intracellular microRNA biosensing and stimulus-unlocked target regulation. <i>Materials Today Bio</i> , 2022, 15, 100276.	5.5	8
4	Early secreted antigenic target 6-kDa from <i>Mycobacterium tuberculosis</i> enhanced the protective innate immunity of macrophages partially via HIF1 $\beta$ . <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 26-32.	2.1	6
5	Target-triggered "signal-off" electrochemical aptasensor assisted by Au nanoparticle-modified sensing platform for high-sensitivity determination of circulating tumor cells. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 8107-8115.	3.7	19
6	3D DNA nanonet structure coupled with target-catalyzed hairpin assembly for dual-signal synergistically amplified electrochemical sensing of circulating microRNA. <i>Analytica Chimica Acta</i> , 2020, 1122, 39-47.	5.4	21
7	Three-dimensional DNA tweezers serve as modular DNA intelligent machines for detection and regulation of intracellular microRNA. <i>Science Advances</i> , 2020, 6, eabb0695.	10.3	41
8	Strand displacement-triggered G-quadruplex/rolling circle amplification strategy for the ultra-sensitive electrochemical sensing of exosomal microRNAs. <i>Mikrochimica Acta</i> , 2020, 187, 172.	5.0	44
9	An ultraportable and versatile point-of-care DNA testing platform. <i>Science Advances</i> , 2020, 6, eaaz7445.	10.3	71
10	A label-free electrochemical biosensor for microRNAs detection based on DNA nanomaterial by coupling with Y-shaped DNA structure and non-linear hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2019, 126, 657-663.	10.1	75
11	Novel biosensing methodologies for improving the detection of single nucleotide polymorphism. <i>Biosensors and Bioelectronics</i> , 2015, 66, 297-307.	10.1	54
12	Label-free and high-sensitive detection of human breast cancer cells by aptamer-based leaky surface acoustic wave biosensor array. <i>Biosensors and Bioelectronics</i> , 2014, 60, 318-324.	10.1	92
13	Development and validation of a novel leaky surface acoustic wave immunosensor array for label-free and high-sensitive detection of cyclosporin A in whole-blood samples. <i>Biosensors and Bioelectronics</i> , 2014, 54, 151-157.	10.1	20
14	Association between CD209 -336A/G and -871A/G Polymorphisms and Susceptibility of Tuberculosis: A Meta-Analysis. <i>PLoS ONE</i> , 2012, 7, e41519.	2.5	21
15	Detection of single-nucleotide polymorphisms with novel leaky surface acoustic wave biosensors, DNA ligation and enzymatic signal amplification. <i>Biosensors and Bioelectronics</i> , 2012, 33, 274-278.	10.1	29
16	Screening models combining maternal characteristics and multiple markers for the early prediction of preeclampsia in pregnancy: a nested case-control study. <i>Journal of Obstetrics and Gynaecology</i> , 0, 1-8.	0.9	1