

Shunxiang Gao

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

685
citations

623734

14
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

855
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-SELEX optimization of aptamers. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4567-4573.	3.7	124
2	Gonyautoxin 1/4 aptamers with high-affinity and high-specificity: From efficient selection to aptasensor application. <i>Biosensors and Bioelectronics</i> , 2016, 79, 938-944.	10.1	89
3	A saxitoxin-binding aptamer with higher affinity and inhibitory activity optimized by rational site-directed mutagenesis and truncation. <i>Toxicon</i> , 2015, 101, 41-47.	1.6	84
4	Enzyme-linked, aptamer-based, competitive biolayer interferometry biosensor for palytoxin. <i>Biosensors and Bioelectronics</i> , 2017, 89, 952-958.	10.1	67
5	A biolayer interferometry-based competitive biosensor for rapid and sensitive detection of saxitoxin. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 169-174.	7.8	62
6	Escin Increases the Survival Rate of LPS-Induced Septic Mice Through Inhibition of HMGB1 Release from Macrophages. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 1577-1586.	1.6	34
7	A biolayer interferometry-based enzyme-linked aptamer sorbent assay for real-time and highly sensitive detection of PDGF-BB. <i>Biosensors and Bioelectronics</i> , 2018, 102, 57-62.	10.1	33
8	Functionalized aptamer with an antiparallel G-quadruplex: Structural remodeling, recognition mechanism, and diagnostic applications targeting CTGF. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111475.	10.1	31
9	Development of a Fluorescently Labeled Aptamer Structure-Switching Assay for Sensitive and Rapid Detection of Gliotoxin. <i>Analytical Chemistry</i> , 2019, 91, 1610-1618.	6.5	29
10	Genotoxicity evaluation of titanium dioxide nanoparticles using the mouse lymphoma assay and the Ames test. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 838, 22-27.	1.7	22
11	The Annexin a2 Promotes Development in Arthritis through Neovascularization by Amplification Hedgehog Pathway. <i>PLoS ONE</i> , 2016, 11, e0150363.	2.5	21
12	Study of the binding mechanism between aptamer GO18-T-d and gonyautoxin 1/4 by molecular simulation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23458-23461.	2.8	20
13	Recent Advances in Aptamer-Based Biosensors for Detection of <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 605229.	3.5	19
14	Fluorescent aptasensor based on G-quadruplex-assisted structural transformation for the detection of biomarker lipocalin 1. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112607.	10.1	15
15	A biolayer interferometry-based, aptamer-antibody receptor pair biosensor for real-time, sensitive, and specific detection of the disease biomarker TNF- α . <i>Chemical Engineering Journal</i> , 2022, 433, 133268.	12.7	10
16	Isolation ssDNA aptamers specific for both live and viable but nonculturable state <i>Vibrio vulnificus</i> using whole bacteria-SELEX technology. <i>RSC Advances</i> , 2020, 10, 15997-16008.	3.6	8
17	A Fluorescent Aptasensor Based on Assembled G-Quadruplex and Thioflavin T for the Detection of Biomarker VEGF165. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 764123.	4.1	7
18	A graphene oxide-based aptasensor for ANGPTL4 biomarker detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130389.	7.8	5

#	ARTICLE	IF	CITATIONS
19	One-step high-throughput detection of low-abundance biomarker BDNF using a biolayer interferometry-based 3D aptasensor. Biosensors and Bioelectronics, 2022, 215, 114566.	10.1	5