Changill Ban

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7578917/publications.pdf

Version: 2024-02-01

29	2,017	448610 19	591227 27
papers	citations	h-index	g-index

29	29	29	3738
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystallization and X-ray crystallographic analysis of ribose 5-phosphate isomerase B in complex with its ligand from Vibrio vulnificus. Biodesign, 2022, 10, 23-28.	0.2	1
2	Fast Aptamer Generation Method Based on the Electrodynamic Microfluidic Channel and Evaluation of Aptamer Sensor Performance. Analytical Chemistry, 2021, 93, 1416-1422.	3.2	4
3	Direct Detection of Low Abundance Genes of Single Point Mutation. Nano Letters, 2021, 21, 9061-9068.	4.5	11
4	Troponin Aptamer on an Atomically Flat Au Nanoplate Platform for Detection of Cardiac Troponin I. Nanomaterials, 2020, 10, 1402.	1.9	15
5	A Rapid Colorimetric Sensor for Soluble Interleukinâ€2 Receptor Î±, Based on Aptamerâ€Adsorbed AuNP. ChemBioChem, 2019, 20, 2236-2240.	1.3	11
6	Aptasensor for multiplex detection of antibiotics based on FRET strategy combined with aptamer/graphene oxide complex. Scientific Reports, 2019, 9, 7659.	1.6	65
7	Comparative lipidomic profiling of the human commensal bacteriumPropionibacterium acnesand its extracellular vesicles. RSC Advances, 2018, 8, 15241-15247.	1.7	17
8	A Novel Eosinophilia Diagnostics Using Labelâ€free Impedimetric Aptasensor for Soluble Interleukinâ€5 Receptor Alpha. Electroanalysis, 2018, 30, 2597-2603.	1.5	5
9	Translational control of phloem development by RNA G-quadruplexâ€“JULGI determines plant sink strength. Nature Plants, 2018, 4, 376-390.	4.7	50
10	Highly sensitive amperometric detection of cardiac troponin I using sandwich aptamers and screen-printed carbon electrodes. Talanta, 2017, 165, 442-448.	2.9	99
11	Proteomic analysis of extracellular vesicles derived fromPropionibacterium acnes. Proteomics - Clinical Applications, 2017, 11, 1600040.	0.8	39
12	Cardioprotective Effect of the SDF-1Î±/CXCR4 Axis in Ischemic Postconditioning in Isolated Rat Hearts. Korean Circulation Journal, 2017, 47, 949.	0.7	4
13	Aptamerâ€“nanoparticle complexes as powerful diagnostic and therapeutic tools. Experimental and Molecular Medicine, 2016, 48, e230-e230.	3.2	146
14	Crystal structure of a DNA aptamer bound to PvLDH elucidates novel single-stranded DNA structural elements for folding and recognition. Scientific Reports, 2016, 6, 34998.	1.6	28
15	Overexpression of angiotensin II type 1 receptor in breast cancer cells induces epithelialâ€“mesenchymal transition and promotes tumor growth and angiogenesis. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1071-1081.	1.9	47
16	A highly sensitive and selective impedimetric aptasensor for interleukin-17 receptor A. Biosensors and Bioelectronics, 2016, 81, 80-86.	5.3	25
17	Formation of lipid bilayer membrane in a poly(dimethylsiloxane) microchip integrated with a stacked polycarbonate membrane support and an on-site nanoinjector. Biomicrofluidics, 2015, 9, 024120.	1.2	0
18	Dual aptamer-functionalized silica nanoparticles for the highly sensitive detection of breast cancer. Biosensors and Bioelectronics, 2015, 71, 129-136.	5.3	99

#	Article	IF	Citations
19	Electrochemical Aptasensor of Cardiac Troponin I for the Early Diagnosis of Acute Myocardial Infarction. Analytical Chemistry, 2015, 87, 9869-9875.	3.2	202
20	Ultrasensitive electrochemical detection of engrailed-2 based on homeodomain-specific DNA probe recognition for the diagnosis of prostate cancer. Biosensors and Bioelectronics, 2015, 66, 32-38.	5.3	31
21	Structural insights into Escherichia coli polymyxin B resistance protein D with X-ray crystallography and small-angle X-ray scattering. BMC Structural Biology, 2014, 14, 24.	2.3	10
22	Ultra-effective photothermal therapy for prostate cancer cells using dual aptamer-modified gold nanostars. Journal of Materials Chemistry B, 2014, 2, 4862-4867.	2.9	41
23	Cationic Surfactant-Based Colorimetric Detection of Plasmodium Lactate Dehydrogenase, a Biomarker for Malaria, Using the Specific DNA Aptamer. PLoS ONE, 2014, 9, e100847.	1.1	35
24	A colorimetric aptasensor for the diagnosis of malaria based on cationic polymers and gold nanoparticles. Analytical Biochemistry, 2013, 439, 11-16.	1.1	75
25	Aptamers and Their Biological Applications. Sensors, 2012, 12, 612-631.	2.1	631
26	Electrochemical Evaluation of Binding Affinity for Aptamer Selection Using the Microarray Chip. Electroanalysis, 2012, 24, 1057-1064.	1.5	24
27	A highly sensitive aptasensor towards Plasmodium lactate dehydrogenase for the diagnosis of malaria. Biosensors and Bioelectronics, 2012, 35, 291-296.	5.3	91
28	ATP Alters the Diffusion Mechanics of MutS on Mismatched DNA. Structure, 2012, 20, 1264-1274.	1.6	87
29	Dual-aptamer-based delivery vehicle of doxorubicin to both PSMA (+) and PSMA (â˜') prostate cancers. Biomaterials, 2011, 32, 2124-2132.	5.7	124