

Byoung-Chan Kim

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/73537/byoung-chan-kim-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

366
citations

8
h-index

16
g-index

16
ext. papers

442
ext. citations

8.6
avg. IF

3.6
L-index

#	Paper	IF	Citations
15	Aptamer-functionalized and silver-coated polydopamine-copper hybrid nanoflower adsorbent embedded with magnetic nanoparticles for efficient mercury removal. <i>Chemosphere</i> , 2021 , 132584	8.4	2
14	Colorimetric Aptasensor for Detecting Bacillus carboniphilus Using Aptamer Isolated with a Non-SELEX-Based Method. <i>Chemosensors</i> , 2021 , 9, 121	4	1
13	Specific detection of Cronobacter sakazakii in powdered infant formula using ssDNA aptamer. <i>Analyst, The</i> , 2021 , 146, 3534-3542	5	1
12	Continuous Surveillance of Bioaerosols On-Site Using an Automated Bioaerosol-Monitoring System. <i>ACS Sensors</i> , 2020 , 5, 395-403	9.2	12
11	Rapid isolation of bacteria-specific aptamers with a non-SELEX-based method. <i>Analytical Biochemistry</i> , 2020 , 591, 113542	3.1	8
10	The development of paper discs immobilized with luciferase/D-luciferin for the detection of ATP from airborne bacteria. <i>Sensors and Actuators B: Chemical</i> , 2018 , 260, 274-281	8.5	14
9	A colorimetric assay for detection of 6-OH-BDE-47 using 6-OH-BDE-47-specific aptamers and gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2017 , 248, 298-304	8.5	7
8	Broadly reactive aptamers targeting bacteria belonging to different genera using a sequential toggle cell-SELEX. <i>Scientific Reports</i> , 2017 , 7, 43641	4.9	28
7	An aptamer cocktail-functionalized photocatalyst with enhanced antibacterial efficiency towards target bacteria. <i>Journal of Hazardous Materials</i> , 2016 , 318, 247-254	12.8	23
6	Highly sensitive sandwich-type SPR based detection of whole H5Nx viruses using a pair of aptamers. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 293-300	11.8	79
5	DNA aptamers for selective identification and separation of flame retardant chemicals. <i>Analytica Chimica Acta</i> , 2016 , 936, 208-15	6.6	6
4	Fast and continuous microorganism detection using aptamer-conjugated fluorescent nanoparticles on an optofluidic platform. <i>Biosensors and Bioelectronics</i> , 2015 , 67, 303-8	11.8	43
3	Bacterial target-specific photocatalyst for the enhancement of antibacterial property to targets. <i>Applied Catalysis B: Environmental</i> , 2014 , 148, 568-572	21.8	8
2	Aptamer cocktails: enhancement of sensing signals compared to single use of aptamers for detection of bacteria. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 195-8	11.8	58
1	Isolation and characterization of DNA aptamers against Escherichia coli using a bacterial cell-systematic evolution of ligands by exponential enrichment approach. <i>Analytical Biochemistry</i> , 2013 , 436, 22-8	3.1	76