

Byoung-Chan Kim

List of Publications by Citations

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Version: 2024-04-23

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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	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
14	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
13	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
12	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
11	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
10	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
9	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
8	Continuous Surveillance of Bioaerosols On-Site Using an Automated Bioaerosol-Monitoring System. <i>ACS Sensors</i> , 2020 , 5, 395-403	9.2	12
7	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
6	Rapid isolation of bacteria-specific aptamers with a non-SELEX-based method. <i>Analytical Biochemistry</i> , 2020 , 591, 113542	3.1	8
5	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
4	DNA aptamers for selective identification and separation of flame retardant chemicals. <i>Analytica Chimica Acta</i> , 2016 , 936, 208-15	6.6	6
3	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
2	Colorimetric Aptasensor for Detecting Bacillus carboniphilus Using Aptamer Isolated with a Non-SELEX-Based Method. <i>Chemosensors</i> , 2021 , 9, 121	4	1
1	Specific detection of Cronobacter sakazakii in powdered infant formula using ssDNA aptamer. <i>Analyst, The</i> , 2021 , 146, 3534-3542	5	1