

# Byoung-Chan Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/73537/publications.pdf>

Version: 2024-02-01

15  
papers

502  
citations

932766

10  
h-index

996533

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

806  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.3	101
2	Isolation and characterization of DNA aptamers against <i>Escherichia coli</i> using a bacterial cellâ€‘systematic evolution of ligands by exponential enrichment approach. <i>Analytical Biochemistry</i> , 2013, 436, 22-28.	1.1	95
3	Aptamer cocktails: Enhancement of sensing signals compared to single use of aptamers for detection of bacteria. <i>Biosensors and Bioelectronics</i> , 2014, 54, 195-198.	5.3	68
4	Fast and continuous microorganism detection using aptamer-conjugated fluorescent nanoparticles on an optofluidic platform. <i>Biosensors and Bioelectronics</i> , 2015, 67, 303-308.	5.3	50
5	Broadly reactive aptamers targeting bacteria belonging to different genera using a sequential toggle cell-SELEX. <i>Scientific Reports</i> , 2017, 7, 43641.	1.6	43
6	An aptamer cocktail-functionalized photocatalyst with enhanced antibacterial efficiency towards target bacteria. <i>Journal of Hazardous Materials</i> , 2016, 318, 247-254.	6.5	33
7	Continuous Surveillance of Bioaerosols On-Site Using an Automated Bioaerosol-Monitoring System. <i>ACS Sensors</i> , 2020, 5, 395-403.	4.0	22
8	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.	4.0	20
9	Rapid isolation of bacteria-specific aptamers with a non-SELEX-based method. <i>Analytical Biochemistry</i> , 2020, 591, 113542.	1.1	16
10	Colorimetric Aptasensor for Detecting <i>Bacillus carboniphilus</i> Using Aptamer Isolated with a Non-SELEX-Based Method. <i>Chemosensors</i> , 2021, 9, 121.	1.8	14
11	Bacterial target-specific photocatalyst for the enhancement of antibacterial property to targets. <i>Applied Catalysis B: Environmental</i> , 2014, 148-149, 568-572.	10.8	10
12	Aptamer-functionalized and silver-coated polydopamine-copper hybrid nanoflower adsorbent embedded with magnetic nanoparticles for efficient mercury removal. <i>Chemosphere</i> , 2022, 288, 132584.	4.2	10
13	DNA aptamers for selective identification and separation of flame retardant chemicals. <i>Analytica Chimica Acta</i> , 2016, 936, 208-215.	2.6	7
14	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.	4.0	7
15	Specific detection of <i>Cronobacter sakazakii</i> in powdered infant formula using ssDNA aptamer. <i>Analyst</i> , The, 2021, 146, 3534-3542.	1.7	6