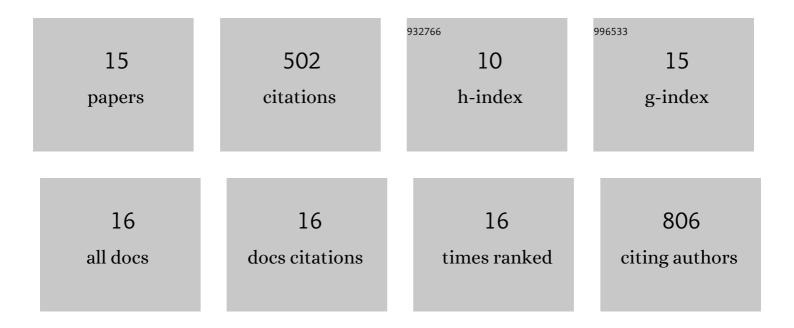
Byoung-Chan Kim

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/73537/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Highly sensitive sandwich-type SPR based detection of whole H5Nx viruses using a pair of aptamers. Biosensors and Bioelectronics, 2016, 86, 293-300.	5.3	101
2	Isolation and characterization of DNA aptamers against Escherichia coli using a bacterial cell–systematic evolution of ligands by exponential enrichment approach. Analytical Biochemistry, 2013, 436, 22-28.	1.1	95
3	Aptamer cocktails: Enhancement of sensing signals compared to single use of aptamers for detection of bacteria. Biosensors and Bioelectronics, 2014, 54, 195-198.	5.3	68
4	Fast and continuous microorganism detection using aptamer-conjugated fluorescent nanoparticles on an optofluidic platform. Biosensors and Bioelectronics, 2015, 67, 303-308.	5.3	50
5	Broadly reactive aptamers targeting bacteria belonging to different genera using a sequential toggle cell-SELEX. Scientific Reports, 2017, 7, 43641.	1.6	43
6	An aptamer cocktail-functionalized photocatalyst with enhanced antibacterial efficiency towards target bacteria. Journal of Hazardous Materials, 2016, 318, 247-254.	6.5	33
7	Continuous Surveillance of Bioaerosols On-Site Using an Automated Bioaerosol-Monitoring System. ACS Sensors, 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. Sensors and Actuators B: Chemical, 2018, 260, 274-281.	4.0	20
9	Rapid isolation of bacteria-specific aptamers with a non-SELEX-based method. Analytical Biochemistry, 2020, 591, 113542.	1.1	16
10	Colorimetric Aptasensor for Detecting Bacillus carboniphilus Using Aptamer Isolated with a Non-SELEX-Based Method. Chemosensors, 2021, 9, 121.	1.8	14
11	Bacterial target-specific photocatalyst for the enhancement of antibacterial property to targets. Applied Catalysis B: Environmental, 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. Chemosphere, 2022, 288, 132584.	4.2	10
13	DNA aptamers for selective identification and separation of flame retardant chemicals. Analytica Chimica Acta, 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. Sensors and Actuators B: Chemical, 2017, 248, 298-304.	4.0	7
15	Specific detection of <i>Cronobacter sakazakii</i> in powdered infant formula using ssDNA aptamer. Analyst, The, 2021, 146, 3534-3542.	1.7	6