

# Dong-Ku Kang

## List of Publications by Citations

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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

1,103  
citations

10  
h-index

16  
g-index

16  
ext. papers

1,317  
ext. citations

8.6  
avg, IF

4.17  
L-index

#	Paper	IF	Citations
15	Rolling circle amplification: a versatile tool for chemical biology, materials science and medicine. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 3324-41	58.5	625
14	Rapid detection of single bacteria in unprocessed blood using Integrated Comprehensive Droplet Digital Detection. <i>Nature Communications</i> , <b>2014</b> , 5, 5427	17.4	200
13	Droplet microfluidics for single-molecule and single-cell analysis in cancer research, diagnosis and therapy. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2014</b> , 58, 145-153	14.6	80
12	Digital quantification of miRNA directly in plasma using integrated comprehensive droplet digital detection. <i>Lab on A Chip</i> , <b>2015</b> , 15, 4217-26	7.2	52
11	Recent Advances in Droplet-based Microfluidic Technologies for Biochemistry and Molecular Biology. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	32
10	Recent advances in microfluidic technologies for biochemistry and molecular biologys. <i>BMB Reports</i> , <b>2011</b> , 44, 705-12	5.5	26
9	Floating Droplet Array: An Ultrahigh-Throughput Device for Droplet Trapping, Real-time Analysis and Recovery. <i>Micromachines</i> , <b>2015</b> , 6, 1469-1482	3.3	25
8	Colorimetric and optical Hg(II) ion sensor developed with conjugates of M13-bacteriophage and silver nanoparticles. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 20007-20014	3.6	21
7	Heterometallic BODIPY-Based Molecular Squares Obtained by Self-Assembly: Synthesis and Biological Activities. <i>ACS Omega</i> , <b>2019</b> , 4, 13200-13208	3.9	17
6	One-step Synthesis of AuAg Alloy Nanodots and its Electrochemical Studies towards Nitrobenzene Reduction and Sensing. <i>Electroanalysis</i> , <b>2018</b> , 30, 57-66	3	10
5	The Roles of Membrane Technology in Artificial Organs: Current Challenges and Perspectives. <i>Membranes</i> , <b>2021</b> , 11,	3.8	7
4	Rapid Detection of $\beta$ Lactamase-Producing Bacteria Using the Integrated Comprehensive Droplet Digital Detection (IC 3D) System. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
3	M13 Viruses as a Dimension-directing Agent for Fabrication of Core-Shell Gold-Silicate Nanosheets. <i>Bulletin of the Korean Chemical Society</i> , <b>2019</b> , 40, 297-298	1.2	3
2	Gas Crosstalk between PFPE-PEG-PFPE Triblock Copolymer Surfactant-Based Microdroplets and Monitoring Bacterial Gas Metabolism with Droplet-Based Microfluidics. <i>Biosensors</i> , <b>2020</b> , 10,	5.9	1
1	Integration of Surface-enhanced Raman Spectroscopy with PCR for Monitoring Single Copy of KRAS G12D Mutation. <i>Bulletin of the Korean Chemical Society</i> , <b>2021</b> , 42, 945	1.2	0