

Taisun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,957
citations

430874

18
h-index

243625

44
g-index

53
all docs

53
docs citations

53
times ranked

2446
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological applications of functionalized calixarenes. <i>Chemical Society Reviews</i> , 2013, 42, 366-386.	38.1	346
2	Biomarker detection technologies and future directions. <i>Analyst, The</i> , 2016, 141, 740-755.	3.5	182
3	Polymeric Self-Assembled Monolayers. 4. Chemical, Electrochemical, and Thermal Stability of 100%-Functionalized, Self-Assembled Diacetylenic and Polydiacetylenic Monolayers. <i>Journal of the American Chemical Society</i> , 1997, 119, 189-193.	13.7	152
4	Immobilization Techniques for Microarray: Challenges and Applications. <i>Sensors</i> , 2014, 14, 22208-22229.	3.8	141
5	A Pseudorotaxane on Gold: Formation of Self-Assembled Monolayers, Reversible Dethreading and Rethreading of the Ring, and Ion-Gating Behavior. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2293-2296.	13.8	123
6	Polymeric Self-Assembled Monolayers. 2. Synthesis and Characterization of Self-Assembled Polydiacetylene Mono- and Multilayers. <i>Journal of the American Chemical Society</i> , 1995, 117, 3963-3967.	13.7	118
7	Polymeric Self-Assembled Monolayers. 3. Pattern Transfer by Use of Photolithography, Electrochemical Methods, and an Ultrathin, Self-Assembled Diacetylenic Resist. <i>Journal of the American Chemical Society</i> , 1995, 117, 5875-5876.	13.7	93
8	Interactions between Organized, Surface-Confined Monolayers and Vapor-Phase Probe Molecules. 9. Structure/Reactivity Relationship between Three Surface-Confined Isomers of Mercaptobenzoic Acid and Vapor-Phase Decylamine. <i>Langmuir</i> , 1996, 12, 1989-1996.	3.5	84
9	Development of a Lateral Flow Strip Membrane Assay for Rapid and Sensitive Detection of the SARS-CoV-2. <i>Analytical Chemistry</i> , 2020, 92, 14139-14144.	6.5	74
10	Interactions between Organized, Surface-Confined Monolayers and Vapor-Phase Probe Molecules. 11. Synthesis, Characterization, and Chemical Sensitivity of Self-Assembled Polydiacetylene/Calix[n]arene Bilayers. <i>Journal of the American Chemical Society</i> , 1996, 118, 11912-11917.	13.7	73
11	Calixarene derivative as a tool for highly sensitive detection and oriented immobilization of proteins in a microarray format through noncovalent molecular interaction. <i>FASEB Journal</i> , 2005, 19, 1335-1337.	0.5	66
12	Polymeric Self-Assembled Monolayers. 5. Synthesis and Characterization of 100%-Functionalized, Self-Assembled Diacetylenic and Polydiacetylenic Monolayers. <i>Langmuir</i> , 1996, 12, 6065-6073.	3.5	65
13	Polymeric self-assembling monolayers. 1. Synthesis and characterization of 100%-functionalized n-alkanethiols containing a conjugated diacetylene group. <i>Tetrahedron Letters</i> , 1994, 35, 9501-9504.	1.4	37
14	9G DNAChip: microarray based on the multiple interactions of 9 consecutive guanines. <i>Chemical Communications</i> , 2011, 47, 7101.	4.1	30
15	Synthesis, Characterization, and Chemical Sensitivity of Self-Assembled Bilayers Composed of Polydiacetylenes and Calix[4]arenes Chemically Modified on the Upper Rim. <i>Langmuir</i> , 1999, 15, 8435-8440.	3.5	28
16	A generalized probe selection method for DNA chips. <i>Chemical Communications</i> , 2011, 47, 12444.	4.1	26
17	HPV 9G DNA Chip: 100% Clinical Sensitivity and Specificity. <i>Journal of Clinical Microbiology</i> , 2012, 50, 562-568.	3.9	25
18	HCV Detection, Discrimination, and Genotyping Technologies. <i>Sensors</i> , 2018, 18, 3423.	3.8	25

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19	9G DNAChip: a platform for the efficient detection of proteins. <i>Chemical Communications</i> , 2011, 47, 7716.	4.1	18
20	A new platform for a convenient genotyping system. <i>Chemical Communications</i> , 2013, 49, 2661.	4.1	18
21	New water-soluble iminecalix[4]arene with a deep hydrophobic cavity. <i>Tetrahedron Letters</i> , 2009, 50, 7346-7350.	1.4	17
22	Water-soluble aminocalix[4]arene receptors with hydrophobic and hydrophilic mouths. <i>Tetrahedron Letters</i> , 2010, 51, 2840-2845.	1.4	15
23	Aminocalix[4]arene: the effect of pH on the dynamics of gate and portals on the hydrophobic cavity. <i>Tetrahedron Letters</i> , 2010, 51, 6156-6160.	1.4	15
24	H5N1 9G DNAChip: discrimination of highly pathogenic influenza virus genes. <i>Chemical Communications</i> , 2012, 48, 4582.	4.1	14
25	Ultra-Sensitive NT-proBNP Quantification for Early Detection of Risk Factors Leading to Heart Failure. <i>Sensors</i> , 2017, 17, 2116.	3.8	14
26	HPV 9G DNAChip: Based on the 9G DNAChip technology. <i>Journal of Virological Methods</i> , 2012, 183, 132-138.	2.1	11
27	Controlled Synthesis of Magnetite Porous/Hollow Nanoparticles Through a Template-Free Solvothermal Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 591-594.	0.9	11
28	Detection, quantification, and profiling of PSA: current microarray technologies and future directions. <i>RSC Advances</i> , 2016, 6, 7599-7609.	3.6	11
29	Multiplex detection of cardiac biomarkers. <i>Analytical Methods</i> , 2017, 9, 3773-3776.	2.7	11
30	A glass fibre membrane platform for ultra-sensitive detection of cardiac troponin T. <i>Analyst</i> , 2017, 142, 3816-3821.	3.5	11
31	9G DNAChip Technology: Self-Assembled Monolayer (SAM) of ssDNA for Ultra-Sensitive Detection of Biomarkers. <i>International Journal of Molecular Sciences</i> , 2013, 14, 5723-5733.	4.1	10
32	Quantification of CYFRA 21-1 and a CYFRA 21-1-anti-CYFRA 21-1 autoantibody immune complex for detection of early stage lung cancer. <i>Chemical Communications</i> , 2019, 55, 10060-10063.	4.1	10
33	Selective recognition of the ditopic trimethylammonium cations by water-soluble aminocalix[4]arene. <i>Tetrahedron Letters</i> , 2011, 52, 3751-3755.	1.4	9
34	6 HCV genotyping 9G test and its comparison with VERSANT HCV genotype 2.0 assay (LiPA) for the hepatitis C virus genotyping. <i>Journal of Virological Methods</i> , 2017, 239, 1-8.	2.1	8
35	Characterization of the mixed self-assembled monolayer at the molecular scale. <i>Chemical Communications</i> , 2011, 47, 11261.	4.1	7
36	9G Test TM Cancer/Lung: A Desirable Companion to LDCT for Lung Cancer Screening. <i>Cancers</i> , 2020, 12, 3192.	3.7	7

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37	Multiplex SNP detection in multiple codons for accurate drug therapy. <i>Chemical Communications</i> , 2014, 50, 14585-14588.	4.1	6
38	Detection of multiple mutations in a single codon of genomic DNA. <i>Chemical Communications</i> , 2014, 50, 12344-12347.	4.1	6
39	Development of a Method for Screening and Genotyping of HCV 1a, 1b, 2, 3, 4, and 6 Genotypes. <i>ACS Omega</i> , 2020, 5, 10794-10799.	3.5	6
40	6 HCV Genotyping 9G test for HCV 1a, 1b, 2, 3, 4 and 6 (6a, 6f, 6i and 6n) with high accuracy. <i>Journal of Virological Methods</i> , 2017, 246, 95-99.	2.1	5
41	HPV Genotyping 9G Membrane Test. <i>Viruses</i> , 2013, 5, 2840-2855.	3.3	4
42	HPV Genotyping 9G Membrane Test: A Point-of-Care Diagnostic Platform. <i>Sensors</i> , 2014, 14, 19162-19175.	3.8	4
43	Performance of 6 HCV genotyping 9G test for HCV genotyping in clinical samples. <i>Virology Journal</i> , 2018, 15, 107.	3.4	4
44	MTB-DR-RIF 9G test: Detection and discrimination of tuberculosis and multi-drug resistant tuberculosis strains. <i>Tuberculosis</i> , 2015, 95, 780-785.	1.9	3
45	MTB-DR-RIF 9G membrane: a platform for multiplex SNP detection of multidrug-resistant TB. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5739-5745.	3.7	2
46	Accurate Detection of Rifampicin-Resistant Mycobacterium Tuberculosis Strains. <i>Sensors</i> , 2016, 16, 376.	3.8	2
47	Detection and Quantification of Tp53 and p53-Anti-p53 Autoantibody Immune Complex: Promising Biomarkers in Early Stage Lung Cancer Diagnosis. <i>Biosensors</i> , 2022, 12, 127.	4.7	2
48	Water-Soluble Calix[4]arene Derivatives: Binding Stoichiometry and Spectroscopic Evaluation of the Host-Guest Recognition Mechanism. , 0, , .		1
49	HBV/4DR 9G test and its comparison with INNO-LiPA HBV multi-DR test for the detection of drug-resistant Hepatitis B virus. <i>Journal of Virological Methods</i> , 2016, 237, 58-63.	2.1	1
50	A Novel Method That Allows SNP Discrimination with 160:1 Ratio for Biosensors Based on DNA-DNA Hybridization. <i>Biosensors</i> , 2021, 11, 265.	4.7	1
51	Fluorescent Bead-based DNA Conjugate-based Dual Signal Amplification Technology. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 655-659.	1.9	0