

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
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243625

44
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53
all docs

53
docs citations

53
times ranked

2446
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 9G Test™ Cancer/Lung: A Desirable Companion to LDCT for Lung Cancer Screening. <i>Cancers</i> , 2020, 12, 3192. | 3.7 | 7 |
| 5 | 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 |
| 6 | 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 |
| 7 | HCV Detection, Discrimination, and Genotyping Technologies. <i>Sensors</i> , 2018, 18, 3423. | 3.8 | 25 |
| 8 | Performance of 6 HCV genotyping 9G test for HCV genotyping in clinical samples. <i>Virology Journal</i> , 2018, 15, 107. | 3.4 | 4 |
| 9 | 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 |
| 10 | Multiplex detection of cardiac biomarkers. <i>Analytical Methods</i> , 2017, 9, 3773-3776. | 2.7 | 11 |
| 11 | A glass fibre membrane platform for ultra-sensitive detection of cardiac troponin T. <i>Analyst</i> , 2017, 142, 3816-3821. | 3.5 | 11 |
| 12 | 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 |
| 13 | Ultra-Sensitive NT-proBNP Quantification for Early Detection of Risk Factors Leading to Heart Failure. <i>Sensors</i> , 2017, 17, 2116. | 3.8 | 14 |
| 14 | Accurate Detection of Rifampicin-Resistant Mycobacterium Tuberculosis Strains. <i>Sensors</i> , 2016, 16, 376. | 3.8 | 2 |
| 15 | 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 |
| 16 | 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 |
| 17 | Detection, quantification, and profiling of PSA: current microarray technologies and future directions. <i>RSC Advances</i> , 2016, 6, 7599-7609. | 3.6 | 11 |
| 18 | Biomarker detection technologies and future directions. <i>Analyst</i> , 2016, 141, 740-755. | 3.5 | 182 |

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|----|---|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | Immobilization Techniques for Microarray: Challenges and Applications. <i>Sensors</i> , 2014, 14, 22208-22229. | 3.8 | 141 |
| 23 | HPV Genotyping 9G Membrane Test: A Point-of-Care Diagnostic Platform. <i>Sensors</i> , 2014, 14, 19162-19175. | 3.8 | 4 |
| 24 | Multiplex SNP detection in multiple codons for accurate drug therapy. <i>Chemical Communications</i> , 2014, 50, 14585-14588. | 4.1 | 6 |
| 25 | Detection of multiple mutations in a single codon of genomic DNA. <i>Chemical Communications</i> , 2014, 50, 12344-12347. | 4.1 | 6 |
| 26 | A new platform for a convenient genotyping system. <i>Chemical Communications</i> , 2013, 49, 2661. | 4.1 | 18 |
| 27 | Biological applications of functionalized calixarenes. <i>Chemical Society Reviews</i> , 2013, 42, 366-386. | 38.1 | 346 |
| 28 | HPV Genotyping 9G Membrane Test. <i>Viruses</i> , 2013, 5, 2840-2855. | 3.3 | 4 |
| 29 | 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 |
| 30 | HPV 9G DNA Chip: 100% Clinical Sensitivity and Specificity. <i>Journal of Clinical Microbiology</i> , 2012, 50, 562-568. | 3.9 | 25 |
| 31 | H5N1 9G DNAChip: discrimination of highly pathogenic influenza virus genes. <i>Chemical Communications</i> , 2012, 48, 4582. | 4.1 | 14 |
| 32 | HPV 9G DNAChip: Based on the 9G DNAChip technology. <i>Journal of Virological Methods</i> , 2012, 183, 132-138. | 2.1 | 11 |
| 33 | Characterization of the mixed self-assembled monolayer at the molecular scale. <i>Chemical Communications</i> , 2011, 47, 11261. | 4.1 | 7 |
| 34 | 9G DNAChip: a platform for the efficient detection of proteins. <i>Chemical Communications</i> , 2011, 47, 7716. | 4.1 | 18 |
| 35 | 9G DNAChip: microarray based on the multiple interactions of 9 consecutive guanines. <i>Chemical Communications</i> , 2011, 47, 7101. | 4.1 | 30 |
| 36 | A generalized probe selection method for DNA chips. <i>Chemical Communications</i> , 2011, 47, 12444. | 4.1 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Selective recognition of the ditopic trimethylammonium cations by water-soluble aminocalix[4]arene. <i>Tetrahedron Letters</i> , 2011, 52, 3751-3755. | 1.4 | 9 |
| 38 | Water-soluble aminocalix[4]arene receptors with hydrophobic and hydrophilic mouths. <i>Tetrahedron Letters</i> , 2010, 51, 2840-2845. | 1.4 | 15 |
| 39 | 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 |
| 40 | New water-soluble iminecalix[4]arene with a deep hydrophobic cavity. <i>Tetrahedron Letters</i> , 2009, 50, 7346-7350. | 1.4 | 17 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | Polymeric Self-Assembled Monolayers. 4. Chemical, Electrochemical, and Thermal Stability of β -Functionalized, Self-Assembled Diacetylenic and Polydiacetylenic Monolayers. <i>Journal of the American Chemical Society</i> , 1997, 119, 189-193. | 13.7 | 152 |
| 45 | Polymeric Self-Assembled Monolayers. 5. Synthesis and Characterization of β -Functionalized, Self-Assembled Diacetylenic and Polydiacetylenic Monolayers. <i>Langmuir</i> , 1996, 12, 6065-6073. | 3.5 | 65 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | Polymeric self-assembling monolayers. 1. Synthesis and characterization of β -functionalized n-alkanethiols containing a conjugated diacetylene group. <i>Tetrahedron Letters</i> , 1994, 35, 9501-9504. | 1.4 | 37 |
| 51 | Water-Soluble Calix[4]arene Derivatives: Binding Stoichiometry and Spectroscopic Evaluation of the Host-Guest Recognition Mechanism. , 0, , . | | 1 |