

Woon-Seok Yeo

List of Publications by Year in descending order

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59
papers

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citations

394421

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63
docs citations

63
times ranked

2747
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Real-Time Measurements of DNA Hybridization with Alkylated Nonoxidized Silicon Nanowires in Electrolyte Solution. <i>Journal of the American Chemical Society</i> , 2006, 128, 16323-16331.	13.7	469
2	Dynamic Interfaces between Cells and Surfaces: Electroactive Substrates that Sequentially Release and Attach Cells. <i>Journal of the American Chemical Society</i> , 2003, 125, 14994-14995.	13.7	250
3	Electroactive Self-Assembled Monolayers that Permit Orthogonal Control over the Adhesion of Cells to Patterned Substrates. <i>Langmuir</i> , 2006, 22, 10816-10820.	3.5	123
4	In vitro solubility, stability and permeability of novel quercetin amino acid conjugates. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 1164-1171.	3.0	112
5	Electroactive Monolayer Substrates that Selectively Release Adherent Cells. <i>ChemBioChem</i> , 2001, 2, 590-593.	2.6	83
6	Label-Free Detection of Protein-Protein Interactions on Biochips. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5480-5483.	13.8	71
7	Nitrosative protein tyrosine modifications: biochemistry and functional significance. <i>BMB Reports</i> , 2008, 41, 194-203.	2.4	62
8	A Method for Connecting Solution-Phase Enzyme Activity Assays with Immobilized Format Analysis by Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 3923-3929.	6.5	59
9	Mass Spectrometry Signal Amplification Method for Attomolar Detection of Antigens Using Small Molecule-Tagged Gold Microparticles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9518-9521.	13.8	56
10	A Graphene-Based Platform for the Assay of Duplex DNA Unwinding by Helicase. <i>Angewandte Chemie</i> , 2010, 122, 5839-5843.	2.0	51
11	Mass spectrometric analysis of protein tyrosine nitration in aging and neurodegenerative diseases. <i>Mass Spectrometry Reviews</i> , 2015, 34, 166-183.	5.4	51
12	Self-Assembled Monolayers That Transduce Enzymatic Activities to Electrical Signals. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3121-3124.	13.8	50
13	Quantification of proteins on gold nanoparticles by combining MALDI-TOF MS and proteolysis. <i>Nanotechnology</i> , 2012, 23, 135701.	2.6	45
14	On-Demand Electrochemical Activation of the Click Reaction on Self-Assembled Monolayers on Gold Presenting Masked Acetylene Groups. <i>Journal of the American Chemical Society</i> , 2011, 133, 16718-16721.	13.7	33
15	Peptide receptor-based selective dinitrotoluene detection using a microcantilever sensor. <i>Biosensors and Bioelectronics</i> , 2011, 30, 249-254.	10.1	32
16	Preparation of Gradient Surfaces by Using a Simple Chemical Reaction and Investigation of Cell Adhesion on a Two-Component Gradient. <i>Chemistry - A European Journal</i> , 2013, 19, 5609-5616.	3.3	28
17	Nanoengineered micro gold shells for LDI-TOF analysis of small molecules. <i>Analytica Chimica Acta</i> , 2012, 736, 1-6.	5.4	25
18	Self-Assembled Monolayers with Dynamicity Stemming from (Bio)Chemical Conversions: From Construction to Application. <i>ChemPhysChem</i> , 2013, 14, 55-69.	2.1	25

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19	Facile Method for Development of Ligand-Patterned Substrates Induced by a Chemical Reaction. Chemistry - A European Journal, 2011, 17, 5804-5807.	3.3	20
20	A Doubly Signal-Amplified DNA Detection Method Based on Pre-Complexed [Ru(bpy) ₃] ²⁺ -Doped Silica Nanoparticles. Chemistry - A European Journal, 2010, 16, 11572-11575.	3.3	18
21	Ultrasensitive detection of microRNAs using nanoengineered micro gold shells and laser desorption/ionization time-of-flight MS. Analytical Biochemistry, 2013, 434, 199-201.	2.4	17
22	Detection and quantification of the Bcr/Abl chimeric protein on biochips using LDI-TOF MS. Chemical Communications, 2014, 50, 4831.	4.1	17
23	Zinc Ion-immobilized Magnetic Microspheres for Enrichment and Identification of Multi-phosphorylated Peptides by Mass Spectrometry. Analytical Sciences, 2017, 33, 1381-1385.	1.6	16
24	Determination of self-exchange rate of alkanethiolates in self-assembled monolayers on gold using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Analytica Chimica Acta, 2014, 843, 38-45.	5.4	15
25	Apoptotic Cell Imaging Using Phosphatidylserine-Specific Receptor-Conjugated Ru(bpy) ₃ ²⁺ -Doped Silica Nanoparticles. Small, 2010, 6, 1499-1503.	10.0	14
26	Detection of Enrofloxacin and Its Metabolite Ciprofloxacin Using Gold Nanoparticles and Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Sciences, 2014, 30, 451-455.	1.6	14
27	Analysis of alkanethiolates on gold with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Journal of the Korean Society for Applied Biological Chemistry, 2015, 58, 1-8.	0.9	13
28	Role of ginseng in the neurovascular unit of neuroinflammatory diseases focused on the blood-brain barrier. Journal of Ginseng Research, 2021, 45, 599-609.	5.7	11
29	Measurement of prostate-specific antigen level as a biomarker for breast cancer by using mass signal amplification. Biochip Journal, 2015, 9, 124-129.	4.9	9
30	Quantitation of Surface-bound Proteins on Biochips Using MALDI-TOF MS. Analytical Sciences, 2011, 27, 1127-1131.	1.6	8
31	Multiplexed quantification of surface-bound proteins on gold nanoparticles. Analytical Methods, 2013, 5, 3816.	2.7	8
32	Complementary analysis of curcumin biodistribution using optical fluorescence imaging and mass spectrometry. Applied Biological Chemistry, 2016, 59, 291-295.	1.9	8
33	Determining the Ratio of Two Types of Prostate Specific Antigens with Biochips and Gold Nanoparticles for Accurate Prostate Cancer Diagnosis. Analytical Sciences, 2016, 32, 1117-1121.	1.6	8
34	On-Demand Modulation of Bacterial Cell Fates on Multifunctional Dynamic Substrates. ACS Applied Materials & Interfaces, 2018, 10, 4324-4332.	8.0	7
35	Selective Analysis of Thiol-Containing Molecules Using Nanoengineered Micro Gold Shells and LDI-TOF MS. Bulletin of the Korean Chemical Society, 2012, 33, 3076-3078.	1.9	7
36	Self-Assembled Monolayers That Transduce Enzymatic Activities to Electrical Signals. Angewandte Chemie, 2003, 115, 3229-3232.	2.0	6

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37	Byakangelicin as a modulator for improved distribution and bioactivity of natural compounds and synthetic drugs in the brain. <i>Phytomedicine</i> , 2019, 62, 152963.	5.3	6
38	Analysis of small biomolecules and xenobiotic metabolism using converted graphene-like monolayer plates and laser desorption/ionization time-of-flight mass spectrometry. <i>Talanta</i> , 2017, 168, 240-245.	5.5	5
39	Efficient Enrichment and Analysis of Vicinal-Diol-Containing Flavonoid Molecules Using Boronic-Acid-Functionalized Particles and Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4741-4747.	5.2	5
40	Selective Extraction and Quantification of Glutathione using Maleimide-Presenting Gold Nanoparticles. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 3047-3051.	1.9	5
41	Analysis of chemical/biochemical conversions on gold microparticles using MALDI-TOF MS. <i>Biochip Journal</i> , 2011, 5, 199-205.	4.9	4
42	Mass spectrometric investigation of concentration-dependent effect of curcumin and oxidative stress on intracellular glutathione levels. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2873-2880.	3.7	4
43	Organic matrix-free imaging mass spectrometry. <i>BMB Reports</i> , 2020, 53, 349-356.	2.4	4
44	A Method for Generation and Characterization of Orthogonal Three-Component Gradient Surfaces. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 2501-2505.	1.9	3
45	Combination of Mass Signal Amplification and Isotope-Labeled Alkanethiols for the Multiplexed Detection of miRNAs. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1895-1899.	3.3	3
46	Immobilization of phenol-containing molecules on self-assembled monolayers on gold via surface chemistry. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 164-170.	5.0	3
47	On-chip enzymatic assay for chloramphenicol acetyltransferase using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 465-469.	5.0	2
48	Analysis of the biodistribution of natural products in mice by using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Applied Biological Chemistry</i> , 2018, 61, 251-255.	1.9	2
49	Optimized MALDI-TOF Mass Analysis Conditions for Natural Small Molecules. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 84-87.	1.9	2
50	RNA Polymerase Activity Assay on Biochips: Correlation between Template DNA Density and RNA Synthesis. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 2107-2109.	1.9	2
51	Design, synthesis, and biological activities of 3-((4,6-diphenylpyrimidin-2-ylamino)methylene)-2,3-dihydrochromen-4-ones. <i>Bioorganic Chemistry</i> , 2022, 120, 105634.	4.1	2
52	Preparation of Co-cultured Cell Sheets Using Electroactive Surfaces. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 954-957.	1.9	1
53	Electrochemically Inducible Surfaces for Patterning Two Distinct Molecules. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 544-547.	1.9	1
54	Recyclable Surfaces for Amine Conjugation Chemistry via Redox Reaction. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 296-299.	1.9	1

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55	Facile Preparation of Functional Group Gradient Surfaces by Desorption and <i>Re</i> -Adsorption of Alkanethiols on Gold. Bulletin of the Korean Chemical Society, 2018, 39, 1344-1347.	1.9	1
56	A Quencher-Fluorophore-Type Probe for Detection and Imaging of NADPH in Human Breast Cancer Cells. Bulletin of the Korean Chemical Society, 2019, 40, 807-811.	1.9	0
57	Mass spectrometric analysis of acid-assisted photochemical release of the trimethyl lock system on the monolayers on gold. RSC Advances, 2020, 10, 17914-17917.	3.6	0
58	Tetrahydrofuran Highly Enhances <i>sc</i> SAMDI Efficiency. Bulletin of the Korean Chemical Society, 2021, 42, 369-371.	1.9	0
59	Immobilization of phenol-containing compounds via electrochemical activation of a urazole derivative. Bulletin of the Korean Chemical Society, 2022, 43, 236-240.	1.9	0