Woon-Seok Yeo

List of Publications by Year
in descending order

59 papers	1,937 citations	394421 19 h-index	243625 44 g-index
63 all docs	63 docs citations	63 times ranked	2747 citing authors

#	Article	IF	Citations
1	Design, synthesis, and biological activities of 3-((4,6-diphenylpyrimidin-2-ylamino)methylene)-2,3-dihydrochromen-4-ones. Bioorganic Chemistry, 2022, 120, 105634.	4.1	2
2	Immobilization of phenolâ€containing compounds via electrochemical activation of a urazole derivative. Bulletin of the Korean Chemical Society, 2022, 43, 236-240.	1.9	0
3	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
4	Tetrahydrofuran Highly Enhances <scp>SAMDI</scp> Efficiency. Bulletin of the Korean Chemical Society, 2021, 42, 369-371.	1.9	0
5	Optimized MALDIâ€TOF Mass Analysis Conditions for Natural Small Molecules. Bulletin of the Korean Chemical Society, 2020, 41, 84-87.	1.9	2
6	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
7	Mass spectrometric investigation of concentration-dependent effect of curcumin and oxidative stress on intracellular glutathione levels. Analytical and Bioanalytical Chemistry, 2020, 412, 2873-2880.	3.7	4
8	Organic matrix-free imaging mass spectrometry. BMB Reports, 2020, 53, 349-356.	2.4	4
9	A Quencherâ€Fluorophoreâ€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
10	Byakangelicin as a modulator for improved distribution and bioactivity of natural compounds and synthetic drugs in the brain. Phytomedicine, 2019, 62, 152963.	5.3	6
11	Immobilization of phenol-containing molecules on self-assembled monolayers on gold via surface chemistry. Colloids and Surfaces B: Biointerfaces, 2019, 173, 164-170.	5.0	3
12	Analysis of the biodistribution of natural products in mice by using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Applied Biological Chemistry, 2018, 61, 251-255.	1.9	2
13	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. Journal of Agricultural and Food Chemistry, 2018, 66, 4741-4747.	5.2	5
14	On-Demand Modulation of Bacterial Cell Fates on Multifunctional Dynamic Substrates. ACS Applied Materials & Interfaces, 2018, 10, 4324-4332.	8.0	7
15	Facile Preparation of Functional Group Gradient Surfaces by Desorption and Reâ€Adsorption of Alkanethiols on Gold. Bulletin of the Korean Chemical Society, 2018, 39, 1344-1347.	1.9	1
16	Combination of Mass Signal Amplification and Isotopeâ€Labeled Alkanethiols for the Multiplexed Detection of miRNAs. Chemistry - an Asian Journal, 2017, 12, 1895-1899.	3.3	3
17	Analysis of small biomolecules and xenobiotic metabolism using converted graphene-like monolayer plates and laser desorption/ionization time-of-flight mass spectrometry. Talanta, 2017, 168, 240-245.	5.5	5
18	Recyclable Surfaces for Amine Conjugation Chemistry via Redox Reaction. Bulletin of the Korean Chemical Society, 2017, 38, 296-299.	1.9	1

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19	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
20	Preparation of Coâ€cultured Cell Sheets Using Electroactive Surfaces. Bulletin of the Korean Chemical Society, 2016, 37, 954-957.	1.9	1
21	Complementary analysis of curcumin biodistribution using optical fluorescence imaging and mass spectrometry. Applied Biological Chemistry, 2016, 59, 291-295.	1.9	8
22	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
23	Electrochemically Inducible Surfaces for Patterning Two Distinct Molecules. Bulletin of the Korean Chemical Society, 2016, 37, 544-547.	1.9	1
24	A Method for Generation and Characterization of Orthogonal Threeâ€Component Gradient Surfaces. Bulletin of the Korean Chemical Society, 2015, 36, 2501-2505.	1.9	3
25	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
26	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
27	On-chip enzymatic assay for chloramphenicol acetyltransferase using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Colloids and Surfaces B: Biointerfaces, 2015, 136, 465-469.	5.0	2
28	Mass spectrometric analysis of protein tyrosine nitration in aging and neurodegenerative diseases. Mass Spectrometry Reviews, 2015, 34, 166-183.	5.4	51
29	Detection and quantification of the Bcr/Abl chimeric protein on biochips using LDI-TOF MS. Chemical Communications, 2014, 50, 4831.	4.1	17
30	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
31	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
32	Selective Extraction and Quantification of Glutathione using Maleimide-Presenting Gold Nanoparticles. Bulletin of the Korean Chemical Society, 2014, 35, 3047-3051.	1.9	5
33	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
34	Multiplexed quantification of surface-bound proteins on gold nanoparticles. Analytical Methods, 2013, 5, 3816.	2.7	8
35	Selfâ€Assembled Monolayers with Dynamicity Stemming from (Bio)Chemical Conversions: From Construction to Application. ChemPhysChem, 2013, 14, 55-69.	2.1	25
36	Preparation of Gradient Surfaces by Using a Simple Chemical Reaction and Investigation of Cell Adhesion on a Twoâ€Component Gradient. Chemistry - A European Journal, 2013, 19, 5609-5616.	3.3	28

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37	Nanoengineered micro gold shells for LDI-TOF analysis of small molecules. Analytica Chimica Acta, 2012, 736, 1-6.	5.4	25
38	Quantification of proteins on gold nanoparticles by combining MALDI-TOF MS and proteolysis. Nanotechnology, 2012, 23, 135701.	2.6	45
39	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
40	On-Demand Electrochemical Activation of the Click Reaction on Self-Assembled Monolayers on Gold Presenting Masked Acetylene Groups. Journal of the American Chemical Society, 2011, 133, 16718-16721.	13.7	33
41	Quantitation of Surface-bound Proteins on Biochips Using MALDI-TOF MS. Analytical Sciences, 2011, 27, 1127-1131.	1.6	8
42	Peptide receptor-based selective dinitrotoluene detection using a microcantilever sensor. Biosensors and Bioelectronics, 2011, 30, 249-254.	10.1	32
43	Analysis of chemical/biochemical conversions on gold microparticles using MALDI-TOF MS. Biochip Journal, 2011, 5, 199-205.	4.9	4
44	Facile Method for Development of Ligandâ€Patterned Substrates Induced by a Chemical Reaction. Chemistry - A European Journal, 2011, 17, 5804-5807.	3.3	20
45	A Doubly Signalâ€Amplified DNA Detection Method Based on Preâ€Complexed [Ru(bpy)₃]²⁺â€Doped Silica Nanoparticles. Chemistry - A European Journal, 2010, 16, 11572-11575.	3.3	18
46	A Grapheneâ€Based Platform for the Assay of Duplexâ€DNA Unwinding by Helicase. Angewandte Chemie, 2010, 122, 5839-5843.	2.0	51
47	Apoptotic Cell Imaging Using Phosphatidylserineâ€Specific Receptorâ€Conjugated Ru(bpy)₃²⁺â€Doped Silica Nanoparticles. Small, 2010, 6, 1499-1503.	10.0	14
48	RNA Polymerase Activity Assay on Biochips: Correlation between Template DNA Density and RNA Synthesis. Bulletin of the Korean Chemical Society, 2010, 31, 2107-2109.	1.9	2
49	In vitro solubility, stability and permeability of novel quercetinâ€“amino acid conjugates. Bioorganic and Medicinal Chemistry, 2009, 17, 1164-1171.	3.0	112
50	Mass Spectrometry Signal Amplification Method for Attomolar Detection of Antigens Using Smallâ€Moleculeâ€Tagged Gold Microparticles. Angewandte Chemie - International Edition, 2008, 47, 9518-9521.	13.8	56
51	Nitrosative protein tyrosine modifications: biochemistry and functional significance. BMB Reports, 2008, 41, 194-203.	2.4	62
52	Electroactive Self-Assembled Monolayers that Permit Orthogonal Control over the Adhesion of Cells to Patterned Substrates. Langmuir, 2006, 22, 10816-10820.	3.5	123
53	Quantitative Real-Time Measurements of DNA Hybridization with Alkylated Nonoxidized Silicon Nanowires in Electrolyte Solution. Journal of the American Chemical Society, 2006, 128, 16323-16331.	13.7	469
54	Label-Free Detection of Protein-Protein Interactions on Biochips. Angewandte Chemie - International Edition, 2005, 44, 5480-5483.	13.8	71

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55	A Method for Connecting Solution-Phase Enzyme Activity Assays with Immobilized Format Analysis by Mass Spectrometry. Analytical Chemistry, 2004, 76, 3923-3929.	6.5	59
56	Self-Assembled Monolayers That Transduce Enzymatic Activities to Electrical Signals. Angewandte Chemie, 2003, 115, 3229-3232.	2.0	6
57	Self-Assembled Monolayers That Transduce Enzymatic Activities to Electrical Signals. Angewandte Chemie - International Edition, 2003, 42, 3121-3124.	13.8	50
58	Dynamic Interfaces between Cells and Surfaces:Â Electroactive Substrates that Sequentially Release and Attach Cells. Journal of the American Chemical Society, 2003, 125, 14994-14995.	13.7	250
59	Electroactive Monolayer Substrates that Selectively Release Adherent Cells. ChemBioChem, 2001, 2, 590-593.	2.6	83