

Min-Gon Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4083326/publications.pdf>

Version: 2024-02-01

158
papers

5,649
citations

81743

39
h-index

102304

66
g-index

158
all docs

158
docs citations

158
times ranked

7164
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple serum biomarkers for predicting suicidal behaviours in depressive patients receiving pharmacotherapy. <i>Psychological Medicine</i> , 2023, 53, 4385-4394.	2.7	4
2	Rapid membrane-based photothermal PCR for disease detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 360, 131554.	4.0	6
3	Wafer-Scale LSPR Substrate: Oblique Deposition of Gold on a Patterned Sapphire Substrate. <i>Biosensors</i> , 2022, 12, 158.	2.3	5
4	Direct Use of a Saliva-Collected Cotton Swab in Lateral Flow Immunoassay for the Detection of Cotinine. <i>Biosensors</i> , 2022, 12, 214.	2.3	6
5	Plasmon color-preserved gold nanoparticle clusters for high sensitivity detection of SARS-CoV-2 based on lateral flow immunoassay. <i>Biosensors and Bioelectronics</i> , 2022, 205, 114094.	5.3	37
6	A Size-Selectively Biomolecule-Immobilized Nanoprobe-Based Chemiluminescent Lateral Flow Immunoassay for Detection of Avian-Origin Viruses. <i>Analytical Chemistry</i> , 2021, 93, 792-800.	3.2	22
7	Ultrasensitive Detection Platform of Disease Biomarkers Based on Recombinase Polymerase Amplification with H-Sandwich Aptamers. <i>Analytical Chemistry</i> , 2021, 93, 992-1000.	3.2	25
8	Open-Shell and Closed-Shell Quinoid Aromatic Conjugated Polymers: Unusual Spin Magnetic and High Charge Transport Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2887-2898.	4.0	16
9	Reactant/polymer hybrid films on p-n junction photodetectors for self-powered, non-invasive glucose biosensors. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112855.	5.3	15
10	One-Pot, Solid-Phase Immunosensing Platform Consisting of a Nanometer-Thick Au/TiO ₂ Photocatalytic Film and Cy5/Capture Antibody/Gold Nanorod Conjugates. <i>ACS Applied Nano Materials</i> , 2021, 4, 5454-5460.	2.4	4
11	Electrochemiluminescence-Incorporated Lateral Flow Immunosensors Using Ru(bpy) ₃ ²⁺ -Labeled Gold Nanoparticles for the Full-Range Detection of Physiological C-Reactive Protein Levels. <i>Analytical Chemistry</i> , 2021, 93, 7925-7932.	3.2	42
12	Reagent Filming for Universal Point-of-Care Diagnostics. <i>Small Methods</i> , 2021, 5, e2100645.	4.6	5
13	Paper-Based Airborne Bacteria Collection and DNA Extraction Kit. <i>Biosensors</i> , 2021, 11, 375.	2.3	6
14	A rapid assay provides on-site quantification of tetrahydrocannabinol in oral fluid. <i>Science Translational Medicine</i> , 2021, 13, eabe2352.	5.8	12
15	Paper-Based Molecular Diagnostics. <i>Bioanalysis</i> , 2021, , 155-181.	0.1	2
16	Advanced trap lateral flow immunoassay sensor for the detection of cortisol in human bodily fluids. <i>Scientific Reports</i> , 2021, 11, 22580.	1.6	8
17	Gold nanocap-supported upconversion nanoparticles for fabrication of a solid-phase aptasensor to detect ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111885.	5.3	39
18	Paper-based nucleic acid testing system for simple and early diagnosis of mosquito-borne RNA viruses from human serum. <i>Biosensors and Bioelectronics</i> , 2020, 151, 111998.	5.3	59

#	ARTICLE	IF	CITATIONS
19	A colorimetric Loop-mediated isothermal amplification (LAMP) assay based on HRP-mimicking molecular beacon for the rapid detection of <i>Vibrio parahaemolyticus</i> . <i>Biosensors and Bioelectronics</i> , 2020, 151, 111968.	5.3	50
20	Automated, Universal, and Mass-Produced Paper-Based Lateral Flow Biosensing Platform for High-Performance Point-of-Care Testing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1885-1894.	4.0	38
21	Integrated Bioaerosol Sampling/Monitoring Platform: Field-Deployable and Rapid Detection of Airborne Viruses. <i>ACS Sensors</i> , 2020, 5, 3915-3922.	4.0	24
22	Ru(bpy) ₃ ²⁺ -Loaded Mesoporous Silica Nanoparticles as Electrochemiluminescent Probes of a Lateral Flow Immunosensor for Highly Sensitive and Quantitative Detection of Troponin I. <i>Small</i> , 2020, 16, e2004535.	5.2	54
23	Paper-based 1,5-anhydroglucitol quantification using enzyme-based glucose elimination. <i>Analyst</i> , The, 2020, 145, 5740-5743.	1.7	6
24	Paper/Soluble Polymer Hybrid-Based Lateral Flow Biosensing Platform for High-Performance Point-of-Care Testing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34564-34575.	4.0	48
25	Simultaneous Detection of Serum Glucose and Glycated Albumin on a Paper-Based Sensor for Acute Hyperglycemia and Diabetes Mellitus. <i>Analytical Chemistry</i> , 2020, 92, 11530-11534.	3.2	35
26	Highly Sensitive Chemiluminescence-Based Lateral Flow Immunoassay for Cardiac Troponin I Detection in Human Serum. <i>Sensors</i> , 2020, 20, 2593.	2.1	28
27	Lab-on-paper for all-in-one molecular diagnostics (LAMDA) of zika, dengue, and chikungunya virus from human serum. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112400.	5.3	46
28	Advancements in DNA-assisted Immunosensors. <i>Biochip Journal</i> , 2020, 14, 18-31.	2.5	21
29	Glycation ratio determination through simultaneous detection of human serum albumin and glycated albumin on an advanced lateral flow immunoassay sensor. <i>Lab on A Chip</i> , 2020, 20, 844-851.	3.1	20
30	An innovative paper-based device for DNA extraction from processed meat products. <i>Food Chemistry</i> , 2020, 321, 126708.	4.2	20
31	Highly sensitive and universal detection strategy based on a colorimetric assay using target-specific heterogeneous sandwich DNA aptamer. <i>Analytica Chimica Acta</i> , 2020, 1123, 73-80.	2.6	8
32	Immobilized DNA aptamers used as potent attractors for vascular endothelial cell: in vitro study of female rat. <i>Bioscience Reports</i> , 2020, 40, .	1.1	1
33	Development of Replication Protein A-Conjugated Gold Nanoparticles for Highly Sensitive Detection of Disease Biomarkers. <i>Analytical Chemistry</i> , 2019, 91, 10001-10007.	3.2	42
34	A Simple and Label-Free Detection of As ³⁺ using 3-nitro-L-tyrosine as an As ³⁺ -chelating Ligand. <i>Sensors</i> , 2019, 19, 2857.	2.1	7
35	Development of DNA Aptamers against the Nucleocapsid Protein of Severe Fever with Thrombocytopenia Syndrome Virus for Diagnostic Application: Catalytic Signal Amplification using Replication Protein A-Conjugated Liposomes. <i>Analytical Chemistry</i> , 2019, 91, 13772-13779.	3.2	15
36	Solid-Phase Photocatalysts: Physical Vapor Deposition of Au Nanoislands on Porous TiO ₂ Films for Millimolar H ₂ O ₂ Production within a Few Minutes. <i>ACS Catalysis</i> , 2019, 9, 9206-9211.	5.5	55

#	ARTICLE	IF	CITATIONS
37	Label-Free Direct Detection of Saxitoxin Based on a Localized Surface Plasmon Resonance Aptasensor. <i>Toxins</i> , 2019, 11, 274.	1.5	31
38	Determination of cerebrospinal fluid leakage by selective deletion of transferrin glycoform using an immunochromatographic assay. <i>Theranostics</i> , 2019, 9, 4182-4191.	4.6	9
39	Rapid and Simple Detection of Ochratoxin A using Fluorescence Resonance Energy Transfer on Lateral Flow Immunoassay (FRET-LFI). <i>Toxins</i> , 2019, 11, 292.	1.5	12
40	Aptamer-based selective KB cell killing by the photothermal effect of gold nanorods. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	3
41	Development of a DNA aptamer selection method based on the heterogeneous sandwich form and its application in a colorimetric assay for influenza A virus detection. <i>New Journal of Chemistry</i> , 2019, 43, 6883-6889.	1.4	22
42	Advanced Colorimetric Paper Sensors Using Color Focusing Effect Based on Asymmetric Flow of Fluid. <i>ACS Sensors</i> , 2019, 4, 1103-1108.	4.0	26
43	Design, Synthesis, and Evaluation of Gold Nanoparticle-Antibody-Horseradish Peroxidase Conjugates for Highly Sensitive Chemiluminescence Immunoassay (hs-CLIA). <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 206-214.	1.4	14
44	Plasmon enhanced up-conversion nanoparticles in perovskite solar cells for effective utilization of near infrared light. <i>Nanoscale</i> , 2019, 11, 22813-22819.	2.8	25
45	A handheld lateral flow strip for rapid DNA extraction from staphylococcus aureus cell spiked in various samples. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 035035.	0.6	19
46	Improved near infrared-mediated hydrogel formation using diacrylated Pluronic F127-coated upconversion nanoparticles. <i>Materials Science and Engineering C</i> , 2018, 90, 77-84.	3.8	42
47	Quantitative analysis of lard in animal fat mixture using visible Raman spectroscopy. <i>Food Chemistry</i> , 2018, 254, 109-114.	4.2	42
48	Colorimetric Detection of Norovirus in Oyster Samples through DNAzyme as a Signaling Probe. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 3003-3008.	2.4	28
49	Colorimetric molecular diagnosis of the HIV gag gene using DNAzyme and a complementary DNA-extended primer. <i>Analyst</i> , 2018, 143, 695-699.	1.7	12
50	Ultrasensitive Detection of <i>Escherichia coli</i> O157:H7 by Immunomagnetic Separation and Selective Filtration with Nitroblue Tetrazolium/5-Bromo-4-chloro-3-indolyl Phosphate Signal Amplification. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4941-4947.	2.4	24
51	Ultrasensitive colorimetric detection of <i>Salmonella enterica</i> Typhimurium on lettuce leaves by HRPzyme-Integrated polymerase chain reaction. <i>Food Control</i> , 2018, 84, 522-528.	2.8	27
52	An optical fiber-based LSPR aptasensor for simple and rapid in-situ detection of ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2018, 102, 504-509.	5.3	108
53	Single-Step LRET Aptasensor for Rapid Mycotoxin Detection. <i>Analytical Chemistry</i> , 2018, 90, 716-722.	3.2	49
54	Self-Powered Biosensors Using Various Light Sources in Daily Life Environments: Integration of p-n Heterojunction Photodetectors and Colorimetric Reactions for Biomolecule Detection. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39487-39493.	4.0	17

#	ARTICLE	IF	CITATIONS
55	Single-Step Recombinase Polymerase Amplification Assay Based on a Paper Chip for Simultaneous Detection of Multiple Foodborne Pathogens. <i>Analytical Chemistry</i> , 2018, 90, 10211-10216.	3.2	75
56	Adenosine Triphosphate Bioluminescence-Based Bacteria Detection Using Targeted Photothermal Lysis by Gold Nanorods. <i>Analytical Chemistry</i> , 2018, 90, 10171-10178.	3.2	41
57	A hook effect-free immunochromatographic assay (HEF-ICA) for measuring the C-reactive protein concentration in one drop of human serum. <i>Theranostics</i> , 2018, 8, 3189-3197.	4.6	31
58	High sensitive and broad-range detection of cortisol in human saliva using a trap lateral flow immunoassay (trapLFI) sensor. <i>Analyst</i> , 2018, 143, 3883-3889.	1.7	29
59	Homogeneous and selective detection of cadmium ions by forming fluorescent cadmium-protein nanoclusters. <i>Chemosphere</i> , 2017, 174, 524-530.	4.2	33
60	A highly sensitive and widely adaptable plasmonic aptasensor using berberine for small-molecule detection. <i>Biosensors and Bioelectronics</i> , 2017, 97, 292-298.	5.3	36
61	Distinct mechanisms for the upconversion of NaYF ₄ :Yb ³⁺ ,Er ³⁺ nanoparticles revealed by stimulated emission depletion. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9739-9744.	1.3	33
62	Production and preliminary characterization of monoclonal antibodies highly specific to pork fat protein. <i>Food Control</i> , 2017, 79, 80-86.	2.8	13
63	A colorimetric and fluorescent chemosensor for detection of Hg ²⁺ using counterion exchange of cationic polydiacetylene. <i>Tetrahedron Letters</i> , 2017, 58, 4340-4343.	0.7	13
64	Asymmetric Nanocrescent Antenna on Upconversion Nanocrystal. <i>Nano Letters</i> , 2017, 17, 6583-6590.	4.5	24
65	A localized surface plasmon resonance (LSPR) immunosensor for CRP detection using 4-chloro-1-naphthol (4-CN) precipitation. , 2017, , .		3
66	Electrically conductive graphene/polyacrylamide hydrogels produced by mild chemical reduction for enhanced myoblast growth and differentiation. <i>Acta Biomaterialia</i> , 2017, 48, 100-109.	4.1	142
67	A Paper-Based Device for Performing Loop-Mediated Isothermal Amplification with Real-Time Simultaneous Detection of Multiple DNA Targets. <i>Theranostics</i> , 2017, 7, 2220-2230.	4.6	108
68	Development of a Biomarker-Based Diagnostic Algorithm for Posttraumatic Syndrome after Physical Injury: Design of the BioPTS Study. <i>Psychiatry Investigation</i> , 2017, 14, 513.	0.7	3
69	Near-Infrared-Light-Assisted Photothermal Polymerization for Transdermal Hydrogelation and Cell Delivery. <i>Advanced Healthcare Materials</i> , 2016, 5, 1638-1645.	3.9	25
70	Solid-Phase Synthesis of Folate-Chlorin Conjugates for Selective Photodynamic Therapy and the Effect of Linker Variation. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 2036-2040.	1.0	1
71	An immunochromatographic biosensor combined with a water-swallowable polymer for automatic signal generation or amplification. <i>Biosensors and Bioelectronics</i> , 2016, 85, 422-428.	5.3	23
72	Transdermal thiol-acrylate polyethylene glycol hydrogel synthesis using near infrared light. <i>Nanoscale</i> , 2016, 8, 14213-14221.	2.8	27

#	ARTICLE	IF	CITATIONS
73	Homogeneous Immunosensor Based on Luminescence Resonance Energy Transfer for Glycated Hemoglobin Detection Using Upconversion Nanoparticles. <i>Analytical Chemistry</i> , 2016, 88, 2742-2746.	3.2	61
74	A fluorescence enhancement-based label-free homogeneous immunoassay of benzo[a]pyrene (BaP) in aqueous solutions. <i>Chemosphere</i> , 2016, 150, 407-413.	4.2	13
75	A Localized Surface Plasmon Resonance (LSPR)-based, simple, receptor-free and regeneratable Hg ²⁺ detection system. <i>Journal of Hazardous Materials</i> , 2016, 307, 137-144.	6.5	25
76	Detection of ochratoxin A (OTA) in coffee using chemiluminescence resonance energy transfer (CRET) aptasensor. <i>Food Chemistry</i> , 2016, 194, 1102-1107.	4.2	99
77	Tear-off patterning: a simple method for patterning nitrocellulose membranes to improve the performance of point-of-care diagnostic biosensors. <i>Lab on A Chip</i> , 2015, 15, 3006-3012.	3.1	14
78	The effects of pH and surfactants on the absorption and fluorescence properties of ochratoxin A and zearalenone. <i>Luminescence</i> , 2015, 30, 1106-1111.	1.5	9
79	High-sensitivity detection of ATP using a localized surface plasmon resonance (LSPR) sensor and split aptamers. <i>Biosensors and Bioelectronics</i> , 2015, 73, 26-31.	5.3	45
80	One-touch-activated blood multidagnostic system using a minimally invasive hollow microneedle integrated with a paper-based sensor. <i>Lab on A Chip</i> , 2015, 15, 3286-3292.	3.1	112
81	A structure-switchable aptasensor for aflatoxin B1 detection based on assembly of an aptamer/split DNAzyme. <i>Analytica Chimica Acta</i> , 2015, 886, 182-187.	2.6	102
82	Attomolar detection of cytokines using a chemiluminescence immunoassay based on an antibody-arrayed CMOS image sensor. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 1248-1255.	4.0	5
83	Dark-field spectral imaging microscope for localized surface plasmon resonance-based biosensing. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
84	Human alpha-fetal protein immunoassay using fluorescence suppression with fluorescent-bead/antibody conjugate and enzymatic reaction. <i>Biosensors and Bioelectronics</i> , 2015, 71, 115-120.	5.3	13
85	Fast and background-free three-dimensional (3D) live-cell imaging with lanthanide-doped upconverting nanoparticles. <i>Nanoscale</i> , 2015, 7, 19397-19402.	2.8	31
86	Electrical signaling of enzyme-linked immunosorbent assays with an ion-sensitive field-effect transistor. <i>Biosensors and Bioelectronics</i> , 2015, 64, 318-323.	5.3	49
87	Monitoring change in refractive index of cytosol of animal cells on affinity surface under osmotic stimulus for label-free measurement of viability. <i>Biosensors and Bioelectronics</i> , 2015, 64, 241-246.	5.3	6
88	Homogeneous Fluorescence Resonance Energy Transfer Immunoassay for the Determination of Zearalenone. <i>Analytical Letters</i> , 2014, 47, 453-464.	1.0	8
89	Evaluation of the transfer rate of ochratoxin a to decoctions of herbal medicines. <i>Food Science and Biotechnology</i> , 2014, 23, 2103-2108.	1.2	12
90	Label-free CRP detection using optical biosensor with one-step immobilization of antibody on nitrocellulose membrane. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 243-248.	4.0	29

#	ARTICLE	IF	CITATIONS
91	Rapid colorimetric detection of <i>Salmonella typhimurium</i> using a selective filtration technique combined with antibody-magnetic nanoparticle nanocomposites. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 859-866.	1.9	33
92	An antibody-magnetic nanoparticle conjugate-based selective filtration method for the rapid colorimetric detection of <i>Listeria monocytogenes</i> . <i>Analytical Methods</i> , 2014, 6, 9129-9135.	1.3	14
93	An aptamer-based dipstick assay for the rapid and simple detection of aflatoxin B1. <i>Biosensors and Bioelectronics</i> , 2014, 62, 288-294.	5.3	182
94	Colorimetric detection of PCR products of DNA from pathogenic bacterial targets based on a simultaneously amplified DNAzyme. <i>Mikrochimica Acta</i> , 2014, 181, 1965-1971.	2.5	25
95	Homogeneous assay of target molecules based on chemiluminescence resonance energy transfer (CRET) using DNAzyme-linked aptamers. <i>Biosensors and Bioelectronics</i> , 2014, 58, 308-313.	5.3	44
96	Label-free measurement of cell viability via counting cells attached on affinity substrates. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 257-261.	1.4	1
97	An interference-free and rapid electrochemical lateral-flow immunoassay for one-step ultrasensitive detection with serum. <i>Analyst, The</i> , 2014, 139, 1420-1425.	1.7	53
98	A regeneratable, label-free, localized surface plasmon resonance (LSPR) aptasensor for the detection of ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2014, 59, 321-327.	5.3	127
99	Time-dependent change of Hyper-Rayleigh Scattering from silver nanoparticle aggregates induced by salt. <i>Chemical Physics Letters</i> , 2014, 600, 15-20.	1.2	9
100	A three-line lateral flow assay strip for the measurement of C-reactive protein covering a broad physiological concentration range in human sera. <i>Biosensors and Bioelectronics</i> , 2014, 61, 285-289.	5.3	80
101	An automatic enzyme immunoassay based on a chemiluminescent lateral flow immunosensor. <i>Biosensors and Bioelectronics</i> , 2014, 53, 330-335.	5.3	78
102	Chemiluminescence competitive aptamer assay for the detection of aflatoxin B1 in corn samples. <i>Food Control</i> , 2014, 36, 30-35.	2.8	145
103	The use of an engineered single chain variable fragment in a localized surface plasmon resonance method for analysis of the C-reactive protein. <i>Chemical Communications</i> , 2013, 49, 9497.	2.2	28
104	Label-free homogeneous FRET immunoassay for the detection of mycotoxins that utilizes quenching of the intrinsic fluorescence of antibodies. <i>Biosensors and Bioelectronics</i> , 2013, 42, 403-408.	5.3	47
105	Rapid and Sensitive Immunochromatographic Strip for On-site Detection of Sulfamethazine in Meats and Eggs. <i>Journal of Food Science</i> , 2013, 78, M1575-M1581.	1.5	33
106	A colorimetric homogeneous immunoassay system for the C-reactive protein. <i>Analyst, The</i> , 2013, 138, 1538.	1.7	36
107	Light-induced anatomical alterations in retinal cells. <i>Analytical Biochemistry</i> , 2013, 436, 84-92.	1.1	17
108	Vertical flow immunoassay (VFA) biosensor for a rapid one-step immunoassay. <i>Lab on A Chip</i> , 2013, 13, 768.	3.1	90

#	ARTICLE	IF	CITATIONS
109	In-gel expression and in situ immobilization of proteins for generation of three dimensional protein arrays in a hydrogel matrix. <i>Lab on A Chip</i> , 2013, 13, 886.	3.1	18
110	Novel antibody/gold nanoparticle/magnetic nanoparticle nanocomposites for immunomagnetic separation and rapid colorimetric detection of <i>Staphylococcus aureus</i> in milk. <i>Biosensors and Bioelectronics</i> , 2013, 43, 432-439.	5.3	174
111	Immunosensing using a metal clad leaky waveguide biosensor for clinical diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 288-294.	4.0	7
112	A label-free fluorescence immunoassay system for the sensitive detection of the mycotoxin, ochratoxin A. <i>Chemical Communications</i> , 2012, 48, 2304.	2.2	44
113	An integrated allele-specific polymerase chain reaction-microarray chip for multiplex single nucleotide polymorphism typing. <i>Lab on A Chip</i> , 2012, 12, 5146.	3.1	23
114	Graphene-Oxide-Based Immunosensing through Fluorescence Quenching by Peroxidase-Catalyzed Polymerization. <i>Small</i> , 2012, 8, 1994-1999.	5.2	28
115	Biosensors: Graphene-Oxide-Based Immunosensing through Fluorescence Quenching by Peroxidase-Catalyzed Polymerization (<i>Small</i> 13/2012). <i>Small</i> , 2012, 8, 1993-1993.	5.2	0
116	Graphene-Based Chemiluminescence Resonance Energy Transfer for Homogeneous Immunoassay. <i>ACS Nano</i> , 2012, 6, 2978-2983.	7.3	208
117	Photoactivated immobilization of single-stranded DNAs on a psoralen-functionalized surface under low pH conditions. <i>Biochip Journal</i> , 2012, 6, 174-183.	2.5	2
118	A CMOS image sensor to recognize the cardiovascular disease markers troponin I and C-reactive protein. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 813-821.	1.9	12
119	A label-free, direct and noncompetitive FRET immunoassay for ochratoxin A based on intrinsic fluorescence of an antigen and antibody complex. <i>Chemical Communications</i> , 2011, 47, 9098.	2.2	39
120	Highly Sensitive Biosensing Using Arrays of Plasmonic Au Nanodisks Realized by Nanoimprint Lithography. <i>ACS Nano</i> , 2011, 5, 897-904.	7.3	265
121	Multi-layered stacks of fluorescent dye-doped silica nanoparticles decorated by gold nanoparticles for solid-phase optical biosensing. <i>Journal of Materials Chemistry</i> , 2011, 21, 17623.	6.7	10
122	Electrical immunosensor based on a submicron-gap interdigitated electrode and gold enhancement. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4690-4696.	5.3	25
123	CMOS image sensor for detection of interferon gamma protein interaction as a point-of-care approach. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1641-1649.	1.9	12
124	Sequential patterning of two fluorescent streptavidins assisted by photoactivatable biotin on an aminodextran-coated surface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 67-72.	2.5	6
125	Enhanced Biomolecular Detection Based on Localized Surface Plasmon Resonance (LSPR) Using Enzyme-Precipitation Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3246-3249.	0.9	3
126	A dual gold nanoparticle conjugate-based lateral flow assay (LFA) method for the analysis of troponin I. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1999-2002.	5.3	230

#	ARTICLE	IF	CITATIONS
127	Signal Amplification by Enzymatic Reaction in an Immunosensor Based on Localized Surface Plasmon Resonance (LSPR). <i>Sensors</i> , 2010, 10, 2045-2053.	2.1	30
128	Efficient selection of IgG Fc domain-binding peptides fused to fluorescent protein using E. coli expression system and dot-blotting assay. <i>Peptides</i> , 2010, 31, 202-206.	1.2	10
129	Addressable Micropatterning of Multiple Proteins and Cells by Microscope Projection Photolithography Based on a Protein Friendly Photoresist. <i>Langmuir</i> , 2010, 26, 12112-12118.	1.6	78
130	Detection of Biomolecular Binding Through Enhancement of Localized Surface Plasmon Resonance (LSPR) by Gold Nanoparticles. <i>Sensors</i> , 2009, 9, 2334-2344.	2.1	55
131	Species-Specific Detection of <i>Listeria monocytogenes</i> Using Polymerase Chain Reaction Assays Targeting the <i>prfA</i> Virulence Gene Cluster. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 1412-1415.	0.6	13
132	An application of protein microarray in the screening of monoclonal antibodies against the oyster mushroom spherical virus. <i>Analytical Biochemistry</i> , 2008, 374, 313-317.	1.1	9
133	High sensitivity detection of 16s rRNA using peptide nucleic acid probes and a surface plasmon resonance biosensor. <i>Analytica Chimica Acta</i> , 2008, 630, 168-173.	2.6	79
134	Electron beam lithography-assisted fabrication of Au nano-dot array as a substrate of a correlated AFM and confocal Raman spectroscopy. <i>Ultramicroscopy</i> , 2008, 108, 1302-1306.	0.8	16
135	Surface Plasmon Resonance Analysis of Alzheimer's β -Amyloid Aggregation on a Solid Surface: From Monomers to Fully-Grown Fibrils. <i>Analytical Chemistry</i> , 2008, 80, 2400-2407.	3.2	67
136	Detection of the mycovirus OMSV in the edible mushroom, <i>Pleurotus ostreatus</i> , using an SPR biosensor chip. <i>Journal of Virological Methods</i> , 2008, 148, 120-124.	1.0	15
137	Enhanced Rapidity for Qualitative Detection of <i>Listeria monocytogenes</i> Using an Enzyme-Linked Immunosorbent Assay and Immunochromatography Strip Test Combined with Immunomagnetic Bead Separation. <i>Journal of Food Protection</i> , 2008, 71, 781-789.	0.8	36
138	Selective Assembly and Guiding of Actomyosin Using Carbon Nanotube Network Monolayer Patterns. <i>Langmuir</i> , 2007, 23, 9535-9539.	1.6	12
139	Protein Micropatterning on Bifunctional Organic-Inorganic Sol-Gel Hybrid Materials. <i>Langmuir</i> , 2007, 23, 4732-4736.	1.6	25
140	Real-time monitoring of cell-free protein synthesis on a surface plasmon resonance chip. <i>Analytical Biochemistry</i> , 2007, 366, 170-174.	1.1	12
141	Screening of a specific monoclonal antibody against and detection of <i>Listeria monocytogenes</i> whole cells using a surface plasmon resonance biosensor. <i>Biotechnology and Bioprocess Engineering</i> , 2007, 12, 80-85.	1.4	16
142	Analysis of recombinant protein expression using localized surface plasmon resonance (LSPR). <i>Biosensors and Bioelectronics</i> , 2007, 22, 2301-2307.	5.3	31
143	Surface plasmon resonance imaging protein arrays for analysis of triple protein interactions of HPV, E6, E6AP, and p53. <i>Proteomics</i> , 2006, 6, 2108-2111.	1.3	41
144	Observation of self-assembled fluorescent beads by scanning near-field optical microscopy and atomic force microscopy. <i>Ultramicroscopy</i> , 2006, 106, 775-778.	0.8	1

#	ARTICLE	IF	CITATIONS
145	On-chip Escherichia coli culture, purification, and detection of expressed proteins. European Biophysics Journal, 2006, 35, 655-662.	1.2	12
146	Molecular cloning and characterization of a large subunit of Salmonella typhimurium glutamate synthase (GOGAT) gene in Escherichia coli. Journal of Microbiology, 2006, 44, 301-10.	1.3	1
147	Enhanced sensitivity of surface plasmon resonance (SPR) immunoassays using a peroxidase-catalyzed precipitation reaction and its application to a protein microarray. Journal of Immunological Methods, 2005, 297, 125-132.	0.6	55
148	A novel function of benzyl isothiocyanate in vascular smooth muscle cells: The role of ERK1/2, cell cycle regulation, and matrix metalloproteinase-9. Journal of Cellular Physiology, 2005, 203, 493-500.	2.0	13
149	Multichannel Surface Plasmon Resonance Imaging and Analysis of Micropatterned Self-Assembled Monolayers and Protein Affinity Interactions. Langmuir, 2005, 21, 166-171.	1.6	30
150	Stimulative effects of Drynariae Rhizoma extracts on the proliferation and differentiation of osteoblastic MC3T3-E1 Cells. Journal of Ethnopharmacology, 2005, 96, 489-495.	2.0	55
151	Zedoariae rhizoma and curcumin inhibits platelet-derived growth factor-induced proliferation of human hepatic myofibroblasts. International Immunopharmacology, 2005, 5, 555-569.	1.7	27
152	Microcontact printing of biotin for selective immobilization of streptavidin-fused proteins and SPR analysis. Biotechnology and Bioprocess Engineering, 2004, 9, 137-142.	1.4	21
153	Surface plasmon resonance imaging analysis of hexahistidine-tagged protein on the gold thin film coated with a calix crown derivative. Biotechnology and Bioprocess Engineering, 2004, 9, 143-146.	1.4	8
154	A fusion protein expression analysis using surface plasmon resonance imaging. Analytical Biochemistry, 2004, 330, 251-256.	1.1	42
155	Inhibitory effect of GBH on platelet aggregation through inhibition of intracellular Ca ²⁺ mobilization in activated human platelets. Life Sciences, 2004, 75, 3063-3076.	2.0	21
156	PCR method based on the ogdH gene for the detection of Salmonella spp. from chicken meat samples. Journal of Microbiology, 2004, 42, 216-22.	1.3	7
157	Levansucrase of Rahnella aquatilis ATCC33071: Gene Cloning, Expression, and Levan Formation. Annals of the New York Academy of Sciences, 1998, 864, 506-511.	1.8	27
158	Development of HRPzyme-Integrated PCR Platform for Colorimetric Detection of Foodborne Pathogens. , 0, , .		1