

# Min-Gon Kim

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156  
papers

4,261  
citations

34  
h-index

57  
g-index

158  
ext. papers

4,988  
ext. citations

6.9  
avg, IF

5.89  
L-index

#	Paper	IF	Citations
156	Rapid membrane-based photothermal PCR for disease detection. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 360, 131554	8.5	1
155	Plasmon color-preserved gold nanoparticle clusters for high sensitivity detection of SARS-CoV-2 based on lateral flow immunoassay.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 205, 114094	11.8	3
154	Multiple serum biomarkers for predicting suicidal behaviours in depressive patients receiving pharmacotherapy.. <i>Psychological Medicine</i> , <b>2022</b> , 1-10	6.9	0
153	Advanced trap lateral flow immunoassay sensor for the detection of cortisol in human bodily fluids. <i>Scientific Reports</i> , <b>2021</b> , 11, 22580	4.9	0
152	Reagent Filming for Universal Point-of-Care Diagnostics.. <i>Small Methods</i> , <b>2021</b> , 5, e2100645	12.8	1
151	Paper-Based Airborne Bacteria Collection and DNA Extraction Kit. <i>Biosensors</i> , <b>2021</b> , 11,	5.9	1
150	A rapid assay provides on-site quantification of tetrahydrocannabinol in oral fluid. <i>Science Translational Medicine</i> , <b>2021</b> , 13, eabe2352	17.5	0
149	Paper-Based Molecular Diagnostics. <i>Bioanalysis</i> , <b>2021</b> , 155-181	0.5	1
148	Reactant/polymer hybrid films on p-n junction photodetectors for self-powered, non-invasive glucose biosensors. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 175, 112855	11.8	8
147	One-Pot, Solid-Phase Immunosensing Platform Consisting of a Nanometer-Thick Au/TiO <sub>2</sub> Photocatalytic Film and Cy5/Capture Antibody/Gold Nanorod Conjugates. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 5454-5460	5.6	2
146	Electrochemiluminescence-Incorporated Lateral Flow Immunosensors Using Ru(bpy)-Labeled Gold Nanoparticles for the Full-Range Detection of Physiological C-Reactive Protein Levels. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 7925-7932	7.8	5
145	A Size-Selectively Biomolecule-Immobilized Nanoprobe-Based Chemiluminescent Lateral Flow Immunoassay for Detection of Avian-Origin Viruses. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 792-800	7.8	11
144	Ultrasensitive Detection Platform of Disease Biomarkers Based on Recombinase Polymerase Amplification with H-Sandwich Aptamers. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 992-1000	7.8	5
143	Open-Shell and Closed-Shell Quinoid-Aromatic Conjugated Polymers: Unusual Spin Magnetic and High Charge Transport Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 2887-2898	9.5	6
142	Highly Sensitive Chemiluminescence-Based Lateral Flow Immunoassay for Cardiac Troponin I Detection in Human Serum. <i>Sensors</i> , <b>2020</b> , 20,	3.8	12
141	Lab-on-paper for all-in-one molecular diagnostics (LAMDA) of zika, dengue, and chikungunya virus from human serum. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 165, 112400	11.8	19
140	Advancements in DNA-assisted Immunosensors. <i>Biochip Journal</i> , <b>2020</b> , 14, 18-31	4	12

139	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> , <b>2020</b> , 20, 844-851	7.2	13
138	An innovative paper-based device for DNA extraction from processed meat products. <i>Food Chemistry</i> , <b>2020</b> , 321, 126708	8.5	13
137	Highly sensitive and universal detection strategy based on a colorimetric assay using target-specific heterogeneous sandwich DNA aptamer. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1123, 73-80	6.6	4
136	Immobilized DNA aptamers used as potent attractors for vascular endothelial cell: in vitro study of female rat. <i>Bioscience Reports</i> , <b>2020</b> , 40,	4.1	1
135	Gold nanocap-supported upconversion nanoparticles for fabrication of a solid-phase aptasensor to detect ochratoxin A. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 150, 111885	11.8	23
134	Paper-based nucleic acid testing system for simple and early diagnosis of mosquito-borne RNA viruses from human serum. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 151, 111998	11.8	34
133	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> , <b>2020</b> , 151, 111968	11.8	17
132	Automated, Universal, and Mass-Produced Paper-Based Lateral Flow Biosensing Platform for High-Performance Point-of-Care Testing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 1885-1894	9.5	24
131	Integrated Bioaerosol Sampling/Monitoring Platform: Field-Deployable and Rapid Detection of Airborne Viruses. <i>ACS Sensors</i> , <b>2020</b> , 5, 3915-3922	9.2	6
130	Ru(bpy) <sub>3</sub> -Loaded Mesoporous Silica Nanoparticles as Electrochemiluminescent Probes of a Lateral Flow Immunosensor for Highly Sensitive and Quantitative Detection of Troponin I. <i>Small</i> , <b>2020</b> , 16, e2004535	11.5	17
129	Paper-based 1,5-anhydroglucitol quantification using enzyme-based glucose elimination. <i>Analyst</i> , <b>2020</b> , 145, 5740-5743	5	3
128	Paper/Soluble Polymer Hybrid-Based Lateral Flow Biosensing Platform for High-Performance Point-of-Care Testing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 34564-34575	9.5	22
127	Simultaneous Detection of Serum Glucose and Glycated Albumin on a Paper-Based Sensor for Acute Hyperglycemia and Diabetes Mellitus. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 11530-11534	7.8	18
126	Solid-Phase Photocatalysts: Physical Vapor Deposition of Au Nanoislands on Porous TiO <sub>2</sub> Films for Millimolar H <sub>2</sub> O <sub>2</sub> Production within a Few Minutes. <i>ACS Catalysis</i> , <b>2019</b> , 9, 9206-9211	13.1	24
125	Label-Free Direct Detection of Saxitoxin Based on a Localized Surface Plasmon Resonance Aptasensor. <i>Toxins</i> , <b>2019</b> , 11,	4.9	15
124	Determination of cerebrospinal fluid leakage by selective deletion of transferrin glycoform using an immunochromatographic assay. <i>Theranostics</i> , <b>2019</b> , 9, 4182-4191	12.1	6
123	Rapid and Simple Detection of Ochratoxin A using Fluorescence Resonance Energy Transfer on Lateral Flow Immunoassay (FRET-LFI). <i>Toxins</i> , <b>2019</b> , 11,	4.9	5
122	Aptamer-based selective KB cell killing by the photothermal effect of gold nanorods. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	1

121	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> , <b>2019</b> , 43, 6883-6889	3.6	10
120	Advanced Colorimetric Paper Sensors Using Color Focusing Effect Based on Asymmetric Flow of Fluid. <i>ACS Sensors</i> , <b>2019</b> , 4, 1103-1108	9.2	14
119	Design, Synthesis, and Evaluation of Gold Nanoparticle-Antibody-Horseradish Peroxidase Conjugates for Highly Sensitive Chemiluminescence Immunoassay (hs-CLIA). <i>Biotechnology and Bioprocess Engineering</i> , <b>2019</b> , 24, 206-214	3.1	11
118	Development of Replication Protein A-Conjugated Gold Nanoparticles for Highly Sensitive Detection of Disease Biomarkers. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 10001-10007	7.8	28
117	A Simple and Label-Free Detection of As using 3-nitro-L-tyrosine as an As-chelating Ligand. <i>Sensors</i> , <b>2019</b> , 19,	3.8	5
116	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> , <b>2019</b> , 91, 13772-13779	7.8	11
115	Plasmon enhanced up-conversion nanoparticles in perovskite solar cells for effective utilization of near infrared light. <i>Nanoscale</i> , <b>2019</b> , 11, 22813-22819	7.7	15
114	A handheld lateral flow strip for rapid DNA extraction from staphylococcus aureus cell spiked in various samples. <i>Biomedical Physics and Engineering Express</i> , <b>2019</b> , 5, 035035	1.5	11
113	Improved near infrared-mediated hydrogel formation using diacrylated Pluronic F127-coated upconversion nanoparticles. <i>Materials Science and Engineering C</i> , <b>2018</b> , 90, 77-84	8.3	22
112	Quantitative analysis of lard in animal fat mixture using visible Raman spectroscopy. <i>Food Chemistry</i> , <b>2018</b> , 254, 109-114	8.5	25
111	Colorimetric Detection of Norovirus in Oyster Samples through DNAzyme as a Signaling Probe. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 3003-3008	5.7	19
110	Colorimetric molecular diagnosis of the HIV gag gene using DNAzyme and a complementary DNA-extended primer. <i>Analyst, The</i> , <b>2018</b> , 143, 695-699	5	9
109	Ultrasensitive Detection of Escherichia coli 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> , <b>2018</b> , 66, 4941-4947	5.7	15
108	Ultrasensitive colorimetric detection of Salmonella enterica Typhimurium on lettuce leaves by HRPzyme-Integrated polymerase chain reaction. <i>Food Control</i> , <b>2018</b> , 84, 522-528	6.2	18
107	Single-Step Recombinase Polymerase Amplification Assay Based on a Paper Chip for Simultaneous Detection of Multiple Foodborne Pathogens. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 10211-10216	7.8	46
106	Adenosine Triphosphate Bioluminescence-Based Bacteria Detection Using Targeted Photothermal Lysis by Gold Nanorods. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 10171-10178	7.8	24
105	A hook effect-free immunochromatographic assay (HEF-ICA) for measuring the C-reactive protein concentration in one drop of human serum. <i>Theranostics</i> , <b>2018</b> , 8, 3189-3197	12.1	20
104	High sensitive and broad-range detection of cortisol in human saliva using a trap lateral flow immunoassay (trapLFI) sensor. <i>Analyst, The</i> , <b>2018</b> , 143, 3883-3889	5	20

103	An optical fiber-based LSPR aptasensor for simple and rapid in-situ detection of ochratoxin A. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 504-509	11.8	75
102	Single-Step LRET Aptasensor for Rapid Mycotoxin Detection. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 716-722	7.8	37
101	Development of HRPzyme-Integrated PCR Platform for Colorimetric Detection of Foodborne Pathogens <b>2018</b> ,		1
100	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 &amp; Interfaces</i> , <b>2018</b> , 10, 39487-39493	9.5	11
99	Homogeneous and selective detection of cadmium ions by forming fluorescent cadmium-protein nanoclusters. <i>Chemosphere</i> , <b>2017</b> , 174, 524-530	8.4	23
98	A highly sensitive and widely adaptable plasmonic aptasensor using berberine for small-molecule detection. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 97, 292-298	11.8	34
97	Distinct mechanisms for the upconversion of NaYF:Yb,Er nanoparticles revealed by stimulated emission depletion. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 9739-9744	3.6	27
96	Production and preliminary characterization of monoclonal antibodies highly specific to pork fat protein. <i>Food Control</i> , <b>2017</b> , 79, 80-86	6.2	9
95	A colorimetric and fluorescent chemosensor for detection of Hg <sub>2</sub> <sup>+</sup> using counterion exchange of cationic polydiacetylene. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 4340-4343	2	9
94	Asymmetric Nanocrescent Antenna on Upconversion Nanocrystal. <i>Nano Letters</i> , <b>2017</b> , 17, 6583-6590	11.5	19
93	A localized surface plasmon resonance (LSPR) immunosensor for CRP detection using 4-chloro-1-naphtol (4-CN) precipitation <b>2017</b> ,		3
92	Electrically conductive graphene/polyacrylamide hydrogels produced by mild chemical reduction for enhanced myoblast growth and differentiation. <i>Acta Biomaterialia</i> , <b>2017</b> , 48, 100-109	10.8	104
91	A Paper-Based Device for Performing Loop-Mediated Isothermal Amplification with Real-Time Simultaneous Detection of Multiple DNA Targets. <i>Theranostics</i> , <b>2017</b> , 7, 2220-2230	12.1	83
90	Development of a Biomarker-Based Diagnostic Algorithm for Posttraumatic Syndrome after Physical Injury: Design of the BioPTS Study. <i>Psychiatry Investigation</i> , <b>2017</b> , 14, 513-517	3.1	2
89	Transdermal thiol-acrylate polyethylene glycol hydrogel synthesis using near infrared light. <i>Nanoscale</i> , <b>2016</b> , 8, 14213-21	7.7	23
88	Homogeneous Immunosensor Based on Luminescence Resonance Energy Transfer for Glycated Hemoglobin Detection Using Upconversion Nanoparticles. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 2742-6	7.8	52
87	A fluorescence enhancement-based label-free homogeneous immunoassay of benzo[a]pyrene (BaP) in aqueous solutions. <i>Chemosphere</i> , <b>2016</b> , 150, 407-413	8.4	10
86	A Localized Surface Plasmon Resonance (LSPR)-based, simple, receptor-free and regeneratable Hg(2+) detection system. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 307, 137-44	12.8	15

85	Detection of ochratoxin A (OTA) in coffee using chemiluminescence resonance energy transfer (CRET) aptasensor. <i>Food Chemistry</i> , <b>2016</b> , 194, 1102-7	8.5	78
84	Near-Infrared-Light-Assisted Photothermal Polymerization for Transdermal Hydrogelation and Cell Delivery. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 1638-45	10.1	18
83	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> , <b>2016</b> , 37, 2036-2040	1.2	1
82	An immunochromatographic biosensor combined with a water-swellaable polymer for automatic signal generation or amplification. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 85, 422-428	11.8	19
81	One-touch-activated blood multidiagnostic system using a minimally invasive hollow microneedle integrated with a paper-based sensor. <i>Lab on A Chip</i> , <b>2015</b> , 15, 3286-92	7.2	83
80	A structure-switchable aptasensor for aflatoxin B1 detection based on assembly of an aptamer/split DNAzyme. <i>Analytica Chimica Acta</i> , <b>2015</b> , 886, 182-7	6.6	79
79	Attomolar detection of cytokines using a chemiluminescence immunoassay based on an antibody-arrayed CMOS image sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 221, 1248-1255	8.5	5
78	Dark-field spectral imaging microscope for localized surface plasmon resonance-based biosensing <b>2015</b> ,		1
77	Human alpha-fetal protein immunoassay using fluorescence suppression with fluorescent-bead/antibody conjugate and enzymatic reaction. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 71, 115-120	11.8	13
76	Fast and background-free three-dimensional (3D) live-cell imaging with lanthanide-doped upconverting nanoparticles. <i>Nanoscale</i> , <b>2015</b> , 7, 19397-402	7.7	26
75	Electrical signaling of enzyme-linked immunosorbent assays with an ion-sensitive field-effect transistor. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 64, 318-23	11.8	43
74	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> , <b>2015</b> , 64, 241-6	11.8	6
73	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> , <b>2015</b> , 15, 3006-12	7.2	13
72	The effects of pH and surfactants on the absorption and fluorescence properties of ochratoxin A and zearalenone. <i>Luminescence</i> , <b>2015</b> , 30, 1106-11	2.5	8
71	High-sensitivity detection of ATP using a localized surface plasmon resonance (LSPR) sensor and split aptamers. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 73, 26-31	11.8	40
70	Rapid colorimetric detection of Salmonella typhimurium using a selective filtration technique combined with antibody-magnetic nanoparticle nanocomposites. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 859-66	4.4	30
69	An antibody-magnetic nanoparticle conjugate-based selective filtration method for the rapid colorimetric detection of Listeria monocytogenes. <i>Analytical Methods</i> , <b>2014</b> , 6, 9129-9135	3.2	13
68	An aptamer-based dipstick assay for the rapid and simple detection of aflatoxin B1. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 62, 288-94	11.8	145



67	Colorimetric detection of PCR products of DNA from pathogenic bacterial targets based on a simultaneously amplified DNAzyme. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 1965-1971	5.8	23
66	Homogeneous assay of target molecules based on chemiluminescence resonance energy transfer (CRET) using DNAzyme-linked aptamers. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 58, 308-13	11.8	41
65	Label-free measurement of cell viability via counting cells attached on affinity substrates. <i>Biotechnology and Bioprocess Engineering</i> , <b>2014</b> , 19, 257-261	3.1	1
64	An interference-free and rapid electrochemical lateral-flow immunoassay for one-step ultrasensitive detection with serum. <i>Analyst, The</i> , <b>2014</b> , 139, 1420-5	5	44
63	A regeneratable, label-free, localized surface plasmon resonance (LSPR) aptasensor for the detection of ochratoxin A. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 59, 321-7	11.8	110
62	Time-dependent change of Hyper-Rayleigh Scattering from silver nanoparticle aggregates induced by salt. <i>Chemical Physics Letters</i> , <b>2014</b> , 600, 15-20	2.5	8
61	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> , <b>2014</b> , 61, 285-9	11.8	69
60	An automatic enzyme immunoassay based on a chemiluminescent lateral flow immunosensor. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 53, 330-5	11.8	67
59	Chemiluminescence competitive aptamer assay for the detection of aflatoxin B1 in corn samples. <i>Food Control</i> , <b>2014</b> , 36, 30-35	6.2	122
58	Homogeneous Fluorescence Resonance Energy Transfer Immunoassay for the Determination of Zearalenone. <i>Analytical Letters</i> , <b>2014</b> , 47, 453-464	2.2	6
57	Evaluation of the transfer rate of ochratoxin a to decoctions of herbal medicines. <i>Food Science and Biotechnology</i> , <b>2014</b> , 23, 2103-2108	3	9
56	Label-free CRP detection using optical biosensor with one-step immobilization of antibody on nitrocellulose membrane. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 190, 243-248	8.5	22
55	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> , <b>2013</b> , 49, 9497-9	5.8	23
54	Label-free homogeneous FRET immunoassay for the detection of mycotoxins that utilizes quenching of the intrinsic fluorescence of antibodies. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 42, 403-8	11.8	42
53	Rapid and sensitive immunochromatographic strip for on-site detection of sulfamethazine in meats and eggs. <i>Journal of Food Science</i> , <b>2013</b> , 78, M1575-M1581	3.4	26
52	A colorimetric homogeneous immunoassay system for the C-reactive protein. <i>Analyst, The</i> , <b>2013</b> , 138, 1538-43	5	28
51	Light-induced anatomical alterations in retinal cells. <i>Analytical Biochemistry</i> , <b>2013</b> , 436, 84-92	3.1	15
50	Vertical flow immunoassay (VFA) biosensor for a rapid one-step immunoassay. <i>Lab on A Chip</i> , <b>2013</b> , 13, 768-72	7.2	73

49	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> , <b>2013</b> , 13, 886-91	7.2	15
48	Novel antibody/gold nanoparticle/magnetic nanoparticle nanocomposites for immunomagnetic separation and rapid colorimetric detection of Staphylococcus aureus in milk. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 43, 432-9	11.8	143
47	A CMOS image sensor to recognize the cardiovascular disease markers troponin I and C-reactive protein. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 813-21	4.4	10
46	Immunosensing using a metal clad leaky waveguide biosensor for clinical diagnosis. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 173, 288-294	8.5	7
45	A label-free fluorescence immunoassay system for the sensitive detection of the mycotoxin, ochratoxin A. <i>Chemical Communications</i> , <b>2012</b> , 48, 2304-6	5.8	38
44	An integrated allele-specific polymerase chain reaction-microarray chip for multiplex single nucleotide polymorphism typing. <i>Lab on A Chip</i> , <b>2012</b> , 12, 5146-54	7.2	20
43	Graphene-oxide-based immunosensing through fluorescence quenching by peroxidase-catalyzed polymerization. <i>Small</i> , <b>2012</b> , 8, 1994-9	11	27
42	Biosensors: Graphene-Oxide-Based Immunosensing through Fluorescence Quenching by Peroxidase-Catalyzed Polymerization (Small 13/2012). <i>Small</i> , <b>2012</b> , 8, 1993-1993	11	
41	Graphene-based chemiluminescence resonance energy transfer for homogeneous immunoassay. <i>ACS Nano</i> , <b>2012</b> , 6, 2978-83	16.7	191
40	Photoactivated immobilization of single-stranded DNAs on a psoralen-functionalized surface under low pH conditions. <i>Biochip Journal</i> , <b>2012</b> , 6, 174-183	4	2
39	Highly sensitive biosensing using arrays of plasmonic Au nanodisks realized by nanoimprint lithography. <i>ACS Nano</i> , <b>2011</b> , 5, 897-904	16.7	218
38	Multi-layered stacks of fluorescent dye-doped silica nanoparticles decorated by gold nanoparticles for solid-phase optical biosensing. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17623		8
37	Electrical immunosensor based on a submicron-gap interdigitated electrode and gold enhancement. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 4690-6	11.8	20
36	CMOS image sensor for detection of interferon gamma protein interaction as a point-of-care approach. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 1641-9	4.4	8
35	Sequential patterning of two fluorescent streptavidins assisted by photoactivatable biotin on an aminodextran-coated surface. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 87, 67-72	6	5
34	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> , <b>2011</b> , 47, 9098-100	5.8	35
33	Signal amplification by enzymatic reaction in an immunosensor based on localized surface plasmon resonance (LSPR). <i>Sensors</i> , <b>2010</b> , 10, 2045-53	3.8	27
32	Efficient selection of IgG Fc domain-binding peptides fused to fluorescent protein using E. coli expression system and dot-blotting assay. <i>Peptides</i> , <b>2010</b> , 31, 202-6	3.8	10



31	Addressable micropatterning of multiple proteins and cells by microscope projection photolithography based on a protein friendly photoresist. <i>Langmuir</i> , <b>2010</b> , 26, 12112-8	4	71
30	Enhanced biomolecular detection based on localized surface plasmon resonance (LSPR) using enzyme-precipitation reaction. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 3246-9	1.3	3
29	A dual gold nanoparticle conjugate-based lateral flow assay (LFA) method for the analysis of troponin I. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 1999-2002	11.8	191
28	Detection of Biomolecular Binding Through Enhancement of Localized Surface Plasmon Resonance (LSPR) by Gold Nanoparticles. <i>Sensors</i> , <b>2009</b> , 9, 2334-44	3.8	42
27	Species-specific detection of <i>Listeria monocytogenes</i> using polymerase chain reaction assays targeting the prfA virulence gene cluster. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2009</b> , 73, 1412-5	2.1	10
26	Detection of the mycovirus OMSV in the edible mushroom, <i>Pleurotus ostreatus</i> , using an SPR biosensor chip. <i>Journal of Virological Methods</i> , <b>2008</b> , 148, 120-4	2.6	11
25	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> , <b>2008</b> , 71, 781-9	2.5	31
24	An application of protein microarray in the screening of monoclonal antibodies against the oyster mushroom spherical virus. <i>Analytical Biochemistry</i> , <b>2008</b> , 374, 313-7	3.1	7
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