

Jae-Chul Pyun

List of Publications by Year in descending order

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Version: 2024-02-01

125
papers

2,406
citations

201385

27
h-index

301761

39
g-index

126
all docs

126
docs citations

126
times ranked

2004
citing authors

#	ARTICLE	IF	CITATIONS
1	One-step immunoassay for food allergens based on screened mimotopes from autodisplayed Fv-antibody library. <i>Biosensors and Bioelectronics</i> , 2022, 202, 113976.	5.3	12
2	Capacitive biosensor based on vertically paired electrodes for the detection of SARS-CoV-2. <i>Biosensors and Bioelectronics</i> , 2022, 202, 113975.	5.3	20
3	Electrochemical One-Step Immunoassay Based on Switching Peptides and Pyrolyzed Carbon Electrodes. <i>ACS Sensors</i> , 2022, 7, 215-224.	4.0	8
4	Quantitative analysis of vitamin D using m/MALDI-TOF mass spectrometry based on a parylene matrix chip. <i>Journal of Analytical Science and Technology</i> , 2022, 13, .	1.0	3
5	Laser desorption/ionization mass spectrometry of L-thyroxine (T4) using combi-matrix of 1±-cyano-4-hydroxycinnamic acid (CHCA) and graphene. <i>Journal of Analytical Science and Technology</i> , 2022, 13, .	1.0	3
6	Surface Functionalization and Bonding of Chemically Inert Parylene Microfluidics Using Parylene-A Adhesive Layer. <i>Biochip Journal</i> , 2022, 16, 168-174.	2.5	9
7	Antibody-Mediated Screening of Peptide Inhibitors for Monoamine Oxidase-B (MAO-B) from an Autodisplayed F_v Library. <i>Bioconjugate Chemistry</i> , 2022, 33, 1166-1178.	1.8	5
8	Homogeneous One-Step Immunoassay Based on Switching Peptides for Detection of the Influenza Virus. <i>Analytical Chemistry</i> , 2022, 94, 9627-9635.	3.2	3
9	Plasma deposition of parylene-C film. <i>Materials Today Communications</i> , 2021, 26, 101834.	0.9	10
10	Diagnosis of severe sepsis using phospholipids enzymatic assay based on cyclic voltammetry. <i>Enzyme and Microbial Technology</i> , 2021, 144, 109728.	1.6	3
11	Competitive Immunoassay of SARS-CoV-2 Using Pig Sera-Derived Anti-SARS-CoV-2 Antibodies. <i>Biochip Journal</i> , 2021, 15, 100-108.	2.5	20
12	Anti-SARS-CoV-2 Nucleoprotein Antibodies Derived from Pig Serum with a Controlled Specificity. <i>Biochip Journal</i> , 2021, 15, 195.	2.5	15
13	Microbial biosensor for Salmonella using anti-bacterial antibodies isolated from human serum. <i>Enzyme and Microbial Technology</i> , 2021, 144, 109721.	1.6	11
14	Screening of Fv Antibodies with Specific Binding Activities to Monosodium Urate and Calcium Pyrophosphate Dihydrate Crystals for the Diagnosis of Gout and Pseudogout. <i>ACS Applied Bio Materials</i> , 2021, 4, 3388-3397.	2.3	15
15	Switching-peptides for one-step immunoassay and its application to the diagnosis of human hepatitis B. <i>Biosensors and Bioelectronics</i> , 2021, 178, 112996.	5.3	11
16	Laser-Induced Surface Reconstruction of Nanoporous Au-Modified TiO₂ Nanowires for In Situ Performance Enhancement in Desorption and Ionization Mass Spectrometry. <i>Advanced Functional Materials</i> , 2021, 31, 2102475.	7.8	22
17	Cesium Lead Bromide (CsPbBr₃) Perovskite Quantum Dot-Based Photosensor for Chemiluminescence Immunoassays. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29392-29405.	4.0	34
18	Screening of biotin-binding Fv-antibodies from autodisplayed FV-library on E.Âcoli outer membrane. <i>Analytica Chimica Acta</i> , 2021, 1169, 338627.	2.6	10

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19	Isolation of Antibodies Against the Spike Protein of SARS-CoV from Pig Serum for Competitive Immunoassay. <i>Biochip Journal</i> , 2021, 15, 396-405.	2.5	15
20	Rapid Analysis of Bacterial Contamination in Platelets without Pre-Enrichment Using Pig Serum-Derived Antibodies. <i>ACS Applied Bio Materials</i> , 2021, 4, 7779-7789.	2.3	4
21	Fluorescein and Rhodamine B-Binding Domains from Autodisplayed Fv-Antibody Library. <i>Bioconjugate Chemistry</i> , 2021, 32, 2213-2223.	1.8	7
22	Photothermal Structural Dynamics of Au Nanofurnace for In Situ Enhancement in Desorption and Ionization. <i>Small</i> , 2021, 17, e2103745.	5.2	15
23	Quantitative analysis of galactose using LDI-TOF MS based on a TiO ₂ nanowire chip. <i>Journal of Analytical Science and Technology</i> , 2021, 12, .	1.0	2
24	Photosensors-based on cadmium sulfide (CdS) nanostructures: a review. <i>Journal of the Korean Ceramic Society</i> , 2021, 58, 631-644.	1.1	15
25	Recyclable, Antibacterial, Isoporous Through-Hole Membrane Air Filters with Hydrothermally Grown ZnO Nanorods. <i>Nanomaterials</i> , 2021, 11, 3381.	1.9	3
26	Highly sensitive in situ-synthesized cadmium sulfide (CdS) nanowire photosensor for chemiluminescent immunoassays. <i>Enzyme and Microbial Technology</i> , 2020, 133, 109457.	1.6	11
27	Modified parylene-N films as chemical microenvironments for differentiation and spheroid formation of osteoblast cells. <i>Scientific Reports</i> , 2020, 10, 15219.	1.6	3
28	Elevated miR-16-5p induces somatostatin receptor 2 expression in neuroendocrine tumor cells. <i>PLoS ONE</i> , 2020, 15, e0240107.	1.1	5
29	Electropolymerization in a confined nanospace: synthesis of PEDOT nanoparticles in emulsion droplet reactors. <i>Chemical Communications</i> , 2020, 56, 9624-9627.	2.2	13
30	Pig Sera-derived Anti-SARS-CoV-2 Antibodies in Surface Plasmon Resonance Biosensors. <i>Biochip Journal</i> , 2020, 14, 358-368.	2.5	38
31	Coffee Ring Effect Free TiO ₂ Nanotube Array for Quantitative Laser Desorption/Ionization Mass Spectrometry. <i>ACS Applied Nano Materials</i> , 2020, 3, 9249-9259.	2.4	19
32	An On-chip Chemiluminescent Immunoassay for Bacterial Detection using in Situ-synthesized Cadmium Sulfide Nanowires with Passivation Layers. <i>Biochip Journal</i> , 2020, 14, 268-278.	2.5	25
33	Diagnosis and mortality prediction of sepsis via lysophosphatidylcholine 16:0 measured by MALDI-TOF MS. <i>Scientific Reports</i> , 2020, 10, 13833.	1.6	9
34	One-step immunoassay without washing steps for influenza A virus detection using ISFET. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112341.	5.3	11
35	A TiO ₂ nanowire photocatalyst for dual-ion production in laser desorption/ionization (LDI) mass spectrometry. <i>Chemical Communications</i> , 2020, 56, 4420-4423.	2.2	14
36	Simultaneous Analysis of Multiple Cancer Biomarkers Using MALDI-TOF Mass Spectrometry Based on a Parylene-Matrix Chip. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 917-926.	1.2	14

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37	Application of a thermophoretic immunoassay in the diagnosis of lupus using outer membrane particles from <i>E. coli</i> . <i>Biosensors and Bioelectronics</i> , 2020, 156, 112110.	5.3	4
38	Modulation of SIRT3 expression through CDK4/6 enhances the anti-cancer effect of sorafenib in hepatocellular carcinoma cells. <i>BMC Cancer</i> , 2020, 20, 332.	1.1	19
39	Nanostructured TiO ₂ Materials for Analysis of Gout-Related Crystals Using Laser Desorption/Ionization Time-of-Flight (LDI-ToF) Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 11283-11290.	3.2	18
40	MALDI-TOF Mass Spectrometry Based on Parylene-Matrix Chip for the Analysis of Lysophosphatidylcholine in Sepsis Patient Sera. <i>Analytical Chemistry</i> , 2019, 91, 14719-14727.	3.2	25
41	Parylene-Coated Polytetrafluoroethylene-Membrane-Based Portable Urea Sensor for Real-Time Monitoring of Urea in Peritoneal Dialysate. <i>Sensors</i> , 2019, 19, 4560.	2.1	12
42	Identification of new binding proteins of focal adhesion kinase using immunoprecipitation and mass spectrometry. <i>Scientific Reports</i> , 2019, 9, 12908.	1.6	9
43	Three-Dimensional Paper-Based Microfluidic Analytical Devices Integrated with a Plasma Separation Membrane for the Detection of Biomarkers in Whole Blood. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36428-36434.	4.0	58
44	Synergistic Effect of the Heterostructure of Au Nanoparticles on TiO ₂ Nanowires for Efficient Ionization in Laser Desorption/Ionization Mass Spectrometry. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20509-20520.	4.0	33
45	Surface display of sialyltransferase on the outer membrane of <i>Escherichia coli</i> and ClearColi. <i>Enzyme and Microbial Technology</i> , 2019, 128, 1-8.	1.6	6
46	Hypersensitive electrochemical immunoassays based on highly N-doped silicon carbide (SiC) electrode. <i>Analytica Chimica Acta</i> , 2019, 1073, 30-38.	2.6	13
47	Thermophoretic diagnosis of autoimmune diseases based on <i>Escherichia coli</i> with auto-displayed autoantigens. <i>Analytica Chimica Acta</i> , 2019, 1055, 106-114.	2.6	7
48	Electrochemical Detection of C-Reactive Protein in Human Serum Based on Self-Assembled Monolayer-Modified Interdigitated Wave-Shaped Electrode. <i>Sensors</i> , 2019, 19, 5560.	2.1	20
49	Fluorescence immunoassay of <i>E. coli</i> using anti-lipopolysaccharide antibodies isolated from human serum. <i>Biosensors and Bioelectronics</i> , 2019, 126, 518-528.	5.3	25
50	Characterization of <i>in-situ</i> Synthesized Cd _x Se _{1-x} Ternary Alloy Nanowire Photosensor. <i>Journal of the Korean Ceramic Society</i> , 2019, 56, 308-316.	1.1	7
51	Chronoamperometry-Based Redox Cycling for Application to Immunoassays. <i>ACS Sensors</i> , 2018, 3, 106-112.	4.0	26
52	Prolonged and highly efficient intracellular extraction of photosynthetic electrons from single algal cells by optimized nanoelectrode insertion. <i>Nano Research</i> , 2018, 11, 397-409.	5.8	17
53	Refolding of auto-displayed anti-NEF scFv through oxidation with glutathione for immunosensors. <i>Biosensors and Bioelectronics</i> , 2018, 102, 600-609.	5.3	7
54	Thermophoretic immunoassay based on auto-displayed Z-domains for the diagnosis of C-reactive protein. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 1131-1137.	4.0	6

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55	Orientation and density control of proteins on solid matters by outer membrane coating: Analytical and diagnostic applications. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 174-184.	1.4	8
56	A Regenerative Immunoaffinity Layer Based on the Outer Membrane of Z-Domains Autodisplaying E. coli for Immunoassays and Immunosensors. <i>Sensors</i> , 2018, 18, 4030.	2.1	4
57	Electrical Characteristics and pH Response of a Parylene-H Sensing Membrane in a Si-Nanonet Ion-Sensitive Field-Effect Transistor. <i>Sensors</i> , 2018, 18, 3892.	2.1	11
58	Gold Nanoparticle-Coated Magnetic Beads for Concentration and Ionization of Analytes for Laser Desorption/Ionization Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 33, 527-538.	0.7	8
59	TiO ₂ Nanowires from Wet-Corrosion Synthesis for Peptide Sequencing Using Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33790-33802.	4.0	20
60	Scalable long-term extraction of photosynthetic electrons by simple sandwiching of nanoelectrode array with densely-packed algal cell film. <i>Biosensors and Bioelectronics</i> , 2018, 117, 15-22.	5.3	12
61	Capacitive biosensor based on vertically paired electrode with controlled parasitic capacitance. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 384-392.	4.0	14
62	Mass spectrometry based on nanomaterials. <i>Ceramist</i> , 2018, 21, 249-269.	0.0	2
63	In situ-synthesized cadmium sulfide nanowire photosensor with a parylene passivation layer for chemiluminescent immunoassays. <i>Biosensors and Bioelectronics</i> , 2017, 92, 221-228.	5.3	14
64	Autodisplay of the La/SSB protein on LPS-free E. coli for the diagnosis of Sjögren's syndrome. <i>Enzyme and Microbial Technology</i> , 2017, 100, 1-10.	1.6	9
65	Redox cycling-based immunoassay for detection of carcinogenic embryonic antigen. <i>Analytica Chimica Acta</i> , 2017, 971, 33-39.	2.6	15
66	Newborn screening by matrix-assisted laser desorption/ionization mass spectrometry based on parylene-matrix chip. <i>Analytical Biochemistry</i> , 2017, 530, 31-39.	1.1	11
67	Hypersensitive antibiotic susceptibility test based on a β -lactamase assay with a parylene-matrix chip. <i>Enzyme and Microbial Technology</i> , 2017, 97, 90-96.	1.6	8
68	A highly sensitive carbapenemase assay using laser desorption/ionization mass spectrometry based on a parylene-matrix chip. <i>Enzyme and Microbial Technology</i> , 2017, 104, 56-68.	1.6	6
69	Development of a wash-free immunoassay using Escherichia coli cells with autodisplayed Z-domains. <i>Analyst</i> , 2017, 142, 1720-1728.	1.7	16
70	Activity control of autodisplayed proteins on the same outer membrane layer of E. coli by using Z-domain/streptavidin/and lipase/foldase systems. <i>Enzyme and Microbial Technology</i> , 2017, 96, 85-95.	1.6	7
71	UV-irradiated parylene surfaces for proliferation and differentiation of PC-12 cells. <i>Enzyme and Microbial Technology</i> , 2017, 97, 1-10.	1.6	10
72	Gold nanoislands chip for laser desorption/ionization (LDI) mass spectrometry. <i>Biochip Journal</i> , 2017, 11, 246-254.	2.5	13

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73	Electrical Impedance Monitoring of C2C12 Myoblast Differentiation on an Indium Tin Oxide Electrode. <i>Sensors</i> , 2016, 16, 2068.	2.1	13
74	Insertion of Vertically Aligned Nanowires into Living Cells by Inkjet Printing of Cells. <i>Small</i> , 2016, 12, 1446-1457.	5.2	12
75	Surface modification of parylene-N films for the culture of osteoblast-like cells (MG-63). <i>Applied Surface Science</i> , 2016, 378, 277-285.	3.1	13
76	Band-type microelectrodes for amperometric immunoassays. <i>Analytica Chimica Acta</i> , 2016, 928, 39-48.	2.6	9
77	Impedimetric Tumor Necrosis Factor- α Sensor Based on a Reduced Graphene Oxide Nanoparticle-Modified Electrode Array. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11921-11927.	0.9	13
78	Patterned Nanowire Electrode Array for Direct Extraction of Photosynthetic Electrons from Multiple Living Algal Cells. <i>Advanced Functional Materials</i> , 2016, 26, 7679-7689.	7.8	23
79	A magnetite suspension-based washing method for immunoassays using <i>Escherichia coli</i> cells with autodisplayed Z-domains. <i>Enzyme and Microbial Technology</i> , 2016, 92, 1-8.	1.6	8
80	Chemiluminescent lateral-flow immunoassays by using in-situ synthesis of CdS NW photosensor. <i>Analytica Chimica Acta</i> , 2016, 927, 99-106.	2.6	19
81	Microbead-based immunoassay using the outer membrane layer of <i>Escherichia coli</i> combined with autodisplayed Z-domains. <i>Applied Surface Science</i> , 2016, 362, 146-153.	3.1	7
82	Analysis of benzylpenicillin in milk using MALDI-TOF mass spectrometry with top-down synthesized TiO ₂ nanowires as the solid matrix. <i>Chemosphere</i> , 2016, 143, 64-70.	4.2	31
83	Label-free and direct detection of C-reactive protein using reduced graphene oxide-nanoparticle hybrid impedimetric sensor. <i>Bioelectrochemistry</i> , 2016, 107, 37-44.	2.4	88
84	Co-autodisplay of Z-domains and bovine caseins on the outer membrane of <i>E. coli</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 3126-3133.	1.4	11
85	Isolation and characterization of the outer membrane of <i>Escherichia coli</i> with autodisplayed Z-domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 842-847.	1.4	51
86	Surface modification of parylene-N with UV-treatment to enhance the protein immobilization. <i>European Polymer Journal</i> , 2015, 68, 36-46.	2.6	14
87	Electrochemical analysis of autodisplayed adrenodoxin (Adx) on the outer membrane of <i>E. coli</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1509-1513.	1.4	8
88	Evaluation of a specific diagnostic marker for rheumatoid arthritis based on cyclic citrullinated peptide. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 115, 107-113.	1.4	10
89	Highly sensitive photosensor based on in situ synthesized CdS nanowires. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 884-890.	4.0	37
90	Highly sensitive bacterial susceptibility test against penicillin using parylene-matrix chip. <i>Biosensors and Bioelectronics</i> , 2015, 71, 306-312.	5.3	14

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91	Chemiluminescence lateral flow immunoassay based on Pt nanoparticle with peroxidase activity. <i>Analytica Chimica Acta</i> , 2015, 853, 360-367.	2.6	73
92	Development of a sensitive SPR biosensor for C-reactive protein (CRP) using plasma-treated parylene-N film. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 133-138.	4.0	31
93	Parylene matrix chip for small molecule analysis using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 274-280.	0.7	17
94	Nylon nanoweb with TiO ₂ nanoparticles as a solid matrix for matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2427-2436.	0.7	17
95	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry of small volatile molecules using a parylene matrix chip. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2301-2306.	0.7	10
96	Ultrasonic isolation of the outer membrane of Escherichia coli with autodisplayed Z-domains. <i>Enzyme and Microbial Technology</i> , 2014, 66, 42-47.	1.6	15
97	Development of SPR biosensor for the detection of human hepatitis B virus using plasma-treated parylene-N film. <i>Biosensors and Bioelectronics</i> , 2014, 56, 286-294.	5.3	72
98	Microarray based on autodisplayed Ro proteins for medical diagnosis of systemic lupus erythematosus (SLE). <i>Biosensors and Bioelectronics</i> , 2014, 57, 213-218.	5.3	29
99	FACS-based immunoassay of troponin-I using E. coli cells with autodisplayed Z-domains. <i>Analytical Methods</i> , 2014, 6, 1700-1708.	1.3	12
100	A capacitive biosensor based on an interdigitated electrode with nanoislands. <i>Analytica Chimica Acta</i> , 2014, 844, 27-34.	2.6	49
101	Top-down synthesized TiO ₂ nanowires as a solid matrix for surface-assisted laser desorption/ionization time-of-flight (SALDI-TOF) mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 836, 53-60.	2.6	32
102	Optimization of a FACS based-immunoassay using E. coli autodisplaying Z-domains. <i>Biochip Journal</i> , 2013, 7, 173-179.	2.5	6
103	Magnetic-bead-based immunoassay using E. coli cells with autodisplayed Z-domains. <i>Enzyme and Microbial Technology</i> , 2013, 53, 118-122.	1.6	13
104	Flow cytometric immunoassay using E. coli with autodisplayed Z-domains. <i>Enzyme and Microbial Technology</i> , 2013, 53, 181-188.	1.6	20
105	Covalent protein immobilization with a parylene-H film for matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1149-1154.	0.7	16
106	Capacitive immunoaffinity biosensor based on vertically paired ring-electrodes. <i>Biosensors and Bioelectronics</i> , 2013, 40, 227-232.	5.3	25
107	Electrochemical ELISA based on Escherichia coli with autodisplayed Z-domains. <i>Sensors and Actuators B: Chemical</i> , 2012, 175, 46-52.	4.0	27
108	SPR biosensor based on immobilized E.coli cells with autodisplayed Z-domains. <i>Biochip Journal</i> , 2012, 6, 221-228.	2.5	23

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109	Non-labeled immunoassay based on zeta-potential analysis. <i>Biochip Journal</i> , 2012, 6, 319-324.	2.5	7
110	Immobilization of <i>E. coli</i> with autodisplayed Z-domains to a surface-modified microplate for immunoassay. <i>Analytica Chimica Acta</i> , 2011, 707, 142-147.	2.6	34
111	One step immobilization of peptides and proteins by using modified parylene with formyl groups. <i>Biosensors and Bioelectronics</i> , 2011, 30, 56-60.	5.3	30
112	SPR biosensor by using <i>E. coli</i> outer membrane layer with autodisplayed Z-domains. <i>Sensors and Actuators B: Chemical</i> , 2011, 154, 82-88.	4.0	33
113	Immunostick assay for medical diagnosis of rheumatoid arthritis. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 1248-1253.	1.4	4
114	Fluorescence immunoassay of anti-cyclic citrulinated peptide (CCP) autoantibodies by using parylene-H film. <i>Biochip Journal</i> , 2011, 5, 242-245.	2.5	22
115	Autodisplay of streptavidin. <i>Enzyme and Microbial Technology</i> , 2011, 48, 307-311.	1.6	29
116	Application of a functionalized parylene film as a linker layer of SPR biosensor. <i>Sensors and Actuators B: Chemical</i> , 2011, 154, 89-95.	4.0	43
117	<i>E. coli</i> outer membrane with autodisplayed Z-domain as a molecular recognition layer of SPR biosensor. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1225-1228.	5.3	52
118	Highly sensitive rapid test with chemiluminescent signal bands. <i>Biochip Journal</i> , 2010, 4, 155-160.	2.5	15
119	Parylene-A coated microplate for covalent immobilization of proteins and peptides. <i>Journal of Immunological Methods</i> , 2010, 353, 44-48.	0.6	33
120	Hypersensitive immunoassay by using <i>Escherichia coli</i> outer membrane with autodisplayed Z-domains. <i>Enzyme and Microbial Technology</i> , 2010, 46, 309-314.	1.6	37
121	Autodisplay of 60-kDa Ro/SS-A antigen and development of a surface display enzyme-linked immunosorbent assay for systemic lupus erythematosus patient sera screening. <i>Analytical Biochemistry</i> , 2010, 407, 72-78.	1.1	27
122	Highly sensitive immunoassay based on <i>E. coli</i> with autodisplayed Z-domain. <i>Analytica Chimica Acta</i> , 2010, 667, 113-118.	2.6	33
123	<i>Escherichia coli</i> with autodisplayed Z-domain of protein A for signal amplification of SPR biosensor. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1324-1329.	5.3	57
124	Diamond-like carbon (DLC) microelectrode for electrochemical ELISA. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1394-1398.	5.3	40
125	Nanowire-assisted laser desorption and ionization mass spectrometry for quantitative analysis of small molecules. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3166-3170.	0.7	104