Boris B Dzantiev

List of Publications by Year
in descending order

203	4,882	116194	162838
papers	citations	36 h-index	57 g-index

206	206	206	4853
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrasensitive lateral flow immunoassay of phycotoxin microcystin-LR in seafood based on magnetic particles and peroxidase signal amplification. Food Control, 2022, 133, 108655.	2.8	10
2	Double qualitative immunochromatographic test for simultaneous control of chicken muscles and eggs in food. Journal of Food Composition and Analysis, 2022, 106, 104324.	1.9	2
3	DIRECT2: A novel platform for a CRISPRâ€“Cas12-based assay comprising universal DNAâ€“IgG probe and a direct lateral flow test. Biosensors and Bioelectronics, 2022, 208, 114227.	5.3	12
4	Detection Limits of Immunoanalytical Systems: Limiting Factors and Methods of Reduction. Journal of Analytical Chemistry, 2022, 77, 391-401.	0.4	5
5	Conjugates of Immunoglobulin-Binding Protein and Gold Nanoparticle: Determination of Composition and Application in Immunochromatographic Analysis of Sulfonylamide. Applied Biochemistry and Microbiology, 2022, 58, 77-82.	0.3	0
6	Modulation of Aptamerâ€“Ligand-Binding by Complementary Oligonucleotides: A G-Quadruplex Anti-Ochratoxin A Aptamer Case Study. International Journal of Molecular Sciences, 2022, 23, 4876.	1.8	4
7	Comparative study of magnetic beads and microplates as supports in heterogeneous amplified assay of miRNA-141 by using mismatched catalytic hairpin assembly reaction. Talanta, 2022, 247, 123535.	2.9	2
8	Double Competitive Immunodetection of Small Analyte: Realization for Highly Sensitive Lateral Flow Immunoassay of Chloramphenicol. Biosensors, 2022, 12, 343.	2.3	3
9	Rapid detection of phycotoxin domoic acid in seawater and seafood based on the developed lateral flow immunoassay. Analytical Methods, 2022, 14, 2446-2452.	1.3	4
10	Cascade-Enhanced Lateral Flow Immunoassay for Sensitive Detection of Okadaic Acid in Seawater, Fish, and Seafood. Foods, 2022, 11, 1691.	1.9	14
11	Silent Antibodies Start Talking: Enhanced Lateral Flow Serodiagnosis with Two-Stage Incorporation of Labels into Immune Complexes. Biosensors, 2022, 12, 434.	2.3	2
12	Sensitive lateral flow immunoassay of an antibiotic neomycin in foodstuffs. Journal of Food Science and Technology, 2021, 58, 292-301.	1.4	23
13	The steadfast Au@Pt soldier: Peroxide-tolerant nanozyme for signal enhancement in lateral flow immunoassay of peroxidase-containing samples. Talanta, 2021, 225, 121961.	2.9	27
14	Lateral flow immunoassay for sensitive detection of undeclared chicken meat in meat products. Food Chemistry, 2021, 344, 128598.	4.2	24
15	Theoretical limitations for aggregation methods of analysis based on affine interactions. AIP Conference Proceedings, 2021, , .	0.3	0
16	Limitations for colorimetric aggregation assay of metal ions and ways of their overcoming. Analytical Methods, 2021, 13, 250-257.	1.3	1
17	Network of gold conjugates for enhanced sensitive immunochromatographic assays of troponins. RSC Advances, 2021, 11, 16445-16452.	1.7	10
18	Methods for Increasing Sensitivity of Immunochromatographic Test Systems with Colorimetric Detection (Review). Applied Biochemistry and Microbiology, 2021, 57, 143-151.	0.3	14

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19	Immunochromatographic Tests for Mycotoxins Detection with the Use of Ultrasmall Magnetite Nanoparticles. Engineering Proceedings, 2021, 2, .	0.4	0
20	Combination of phenylboronic acid and oligocytosine for selective and specific detection of lead(ii) by lateral flow test strip. Analytica Chimica Acta, 2021, 1155, 338318.	2.6	13
21	Changing Cross-Reactivity for Different Immunoassays Using the Same Antibodies: Theoretical Description and Experimental Confirmation. Applied Sciences (Switzerland), 2021, 11, 6581.	1.3	12
22	Comparative Study of In Situ Techniques to Enlarge Gold Nanoparticles for Highly Sensitive Lateral Flow Immunoassay of SARS-CoV-2. Biosensors, 2021, 11, 229.	2.3	14
23	Peroxidase-mimicking nanozyme with surface-dispersed Pt atoms for the colorimetric lateral flow immunoassay of C-reactive protein. Mikrochimica Acta, 2021, 188, 309.	2.5	17
24	Multiplex Assay of Viruses Integrating Recombinase Polymerase Amplification, Barcodeâ€"Anti-Barcode Pairs, Blocking Anti-Primers, and Lateral Flow Assay. Analytical Chemistry, 2021, 93, 13641-13650.	3.2	19
25	Sensitive lateral flow immunoassay for the detection of pork additives in raw and cooked meat products. Food Chemistry, 2021, 359, 129927.	4.2	19
26	Mercaptosuccinic-Acid-Functionalized Gold Nanoparticles for Highly Sensitive Colorimetric Sensing of Fe(III) Ions. Chemosensors, 2021, 9, 290.	1.8	5
27	Development of new immunoanalytical test systems for diagnostics of potato blackleg caused by Dickeya spp. bacteria. RUDN Journal of Agronomy and Animal Industries, 2021, 16, 198-214.	0.2	0
28	Comparative Assessment of Different Gold Nanoflowers as Labels for Lateral Flow Immunosensors. Sensors, 2021, 21, 7098.	2.1	3
29	Lateral Flow Serodiagnosis in the Double-Antigen Sandwich Format: Theoretical Consideration and Confirmation of Advantages. Sensors, 2021, 21, 39.	2.1	7
30	Recombinase Polymerase Amplification Assay with and without Nuclease-Dependent-Labeled Oligonucleotide Probe. International Journal of Molecular Sciences, 2021, 22, 11885.	1.8	9
31	Retention of Activity by Antibodies Immobilized on Gold Nanoparticles of Different Sizes: Fluorometric Method of Determination and Comparative Evaluation. Nanomaterials, 2021, 11, 3117.	1.9	11
32	The Potential Use of Isothermal Amplification Assays for In-Field Diagnostics of Plant Pathogens. Plants, 2021, 10, 2424.	1.6	20
33	Tannic Acid-Capped Gold Nanoparticles as a Novel Nanozyme for Colorimetric Determination of Pb2+ Ions. Chemosensors, 2021, 9, 332.	1.8	12
34	Development of Immunochromatographic Test System for Detection of Antibiotic Clinafloxacin and Its Application for Honey Control. Applied Biochemistry and Microbiology, 2021, 57, 778-785.	0.3	0
35	Rapid Full-Cycle Technique to Control Adulteration of Meat Products: Integration of Accelerated Sample Preparation, Recombinase Polymerase Amplification, and Test-Strip Detection. Molecules, 2021, 26, 6804.	1.7	9
36	Comparative Study of Four Coloured Nanoparticle Labels in Lateral Flow Immunoassay. Nanomaterials, 2021, 11, 3277.	1.9	8

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37	Lateral flow test strips for mercury ions detection based on combination of oligonucleotide-modified gold nanoparticles and chelation by glutathione. AIP Conference Proceedings, 2021, , .	0.3	0
38	Highly sensitive multiplex lateral flow immunoassay of phytopathogens using Au@Pt nanoparticles as the colorimetric and catalytic label. AIP Conference Proceedings, 2021, , .	0.3	0
39	Gold Nanoparticles Functionalized with Mercaptosuccinic Acid as a Means for Detecting Fe(III) Ions. , 2021, 5, .		0
40	Lateral Flow Immunoassay of SARS-CoV-2 Antigen with SERS-Based Registration: Development and Comparison with Traditional Immunoassays. Biosensors, 2021, 11, 510.	2.3	22
41	Raman Scattering-Based Biosensing: New Prospects and Opportunities. Biosensors, 2021, 11, 512.	2.3	26
42	Molecularly imprinted polymers as receptors for assays of antibiotics. Critical Reviews in Analytical Chemistry, 2020, 50, 291-310.	1.8	39
43	Key significance of DNA-target size in lateral flow assay coupled with recombinase polymerase amplification. Analytica Chimica Acta, 2020, 1102, 109-118.	2.6	28
44	Immunochromatographic tests for the detection of microcystin-LR toxin in water and fish samples. Analytical Methods, 2020, 12, 392-400.	1.3	11
45	Nucleic acid lateral flow assay with recombinase polymerase amplification: Solutions for highly sensitive detection of RNA virus. Talanta, 2020, 210, 120616.	2.9	46
46	Mathematical modeling of immunochromatographic test systems in a competitive format: Analytical and numerical approaches. Biochemical Engineering Journal, 2020, 164, 107763.	1.8	11
47	The Challenge for Rapid Detection of High-Structured Circular RNA: Assay of Potato Spindle Tuber Viroid Based on Recombinase Polymerase Amplification and Lateral Flow Tests. Plants, 2020, 9, 1369.	1.6	10
48	Development of lateral flow assay combined with recombinase polymerase amplification for highly sensitive detection of Dickeya solani. Molecular and Cellular Probes, 2020, 53, 101622.	0.9	14
49	Lateral Flow Immunoassay to Detect the Addition of Beef, Pork, Lamb, and Horse Muscles in Raw Meat Mixtures and Finished Meat Products. Foods, 2020, 9, 1662.	1.9	12
50	Methods and Applications of In Silico Aptamer Design and Modeling. International Journal of Molecular Sciences, 2020, 21, 8420.	1.8	72
51	Development of Immunoenzyme Assay for Detection of Soybean Raw Material in Food Products. Applied Biochemistry and Microbiology, 2020, 56, 483-487.	0.3	2
52	Highly sensitive lateral flow test with indirect labelling for zearalenone in baby food. Food and Agricultural Immunology, 2020, 31, 653-666.	0.7	9
53	Comparison of nanosized markers in lateral flow immunoassay of antibiotic lincomycin. , 2020, , .		0
54	A Comparative Study of Approaches to Improve the Sensitivity of Lateral Flow Immunoassay of the Antibiotic Lincomycin. Biosensors, 2020, 10, 198.	2.3	8

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55	Fluorescence Polarization-Based Bioassays: New Horizons. Sensors, 2020, 20, 7132.	2.1	43
56	Immunochromatographic Detection of Myoglobin as a Specific Biomarker of Porcine Muscle Tissues in Meat Products. Applied Sciences (Switzerland), 2020, 10, 7437.	1.3	17
57	Perspective and application of molecular imprinting approach for antibiotic detection in food and environmental samples: A critical review. Food Control, 2020, 118, 107381.	2.8	62
58	Design of Multiplex Lateral Flow Tests: A Case Study for Simultaneous Detection of Three Antibiotics. Biosensors, 2020, 10, 17.	2.3	18
59	Advantages of Highly Spherical Gold Nanoparticles as Labels for Lateral Flow Immunoassay. Sensors, 2020, 20, 3608.	2.1	19
60	Quantitative regularities of protein immobilization on the surfaces of gold nanoparticles. AIP Conference Proceedings, 2020, , .	0.3	1
61	Development of mathematical models of lateral flow membrane bioanalytical systems and characterization of the regularities of their functioning. AIP Conference Proceedings, 2020, , .	0.3	1
62	Development of a double immunochromatographic test system for simultaneous determination of lincomycin and tylosin antibiotics in foodstuffs. Food Chemistry, 2020, 318, 126510.	4.2	23
63	Immunochromatographic System for Serodiagnostics of Cattle Brucellosis Using Gold Nanoparticles and Signal Amplification with Quantum Dots. Applied Sciences (Switzerland), 2020, 10, 738.	1.3	6
64	A Mechanism of Gold Nanoparticle Aggregation by Immunoglobulin G Preparation. Applied Sciences (Switzerland), 2020, 10, 475.	1.3	7
65	An immunochromatographic test system for the determination of lincomycin in foodstuffs of animal origin. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1141, 122014.	1.2	16
66	A chitosan gold nanoparticles molecularly imprinted polymer based ciprofloxacin sensor. RSC Advances, 2020, 10, 12823-12832.	1.7	70
67	Urchin peroxidase-mimicking Au@Pt nanoparticles as a label in lateral flow immunoassay: impact of nanoparticle composition on detection limit of Clavibacter michiganensis. Mikrochimica Acta, 2020, 187, 268.	2.5	24
68	Lateral flow immunoassay for rapid qualitative and quantitative control of the veterinary drug bacitracin in milk. Microchemical Journal, 2020, 156, 104884.	2.3	8
69	Electron-Microscopic Investigation of the Distribution of Titanium Dioxide (rutile) Nanoparticles in the Ratsâ€™ Small Intestine Mucosa, Liver, and Spleen. Current Nanoscience, 2020, 16, 268-279.	0.7	3
70	Application of aminophenylboronic acid conjugated with protein carrier for aptachromatographic detection of lead ions. AIP Conference Proceedings, 2020, , .	0.3	0
71	Recombinase polymerase amplification combined with a magnetic nanoparticle-based immunoassay for fluorometric determination of troponin T. Mikrochimica Acta, 2019, 186, 549.	2.5	13
72	Towards Lateral Flow Quantitative Assays: Detection Approaches. Biosensors, 2019, 9, 89.	2.3	133

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73	Lateral flow immunoassay for bisphenol A: Development of test strips and their application for ecological monitoring. Journal of Physics: Conference Series, 2019, 1172, 012088.	0.3	5
74	Development of Enzyme-Linked Immunosorbent Assay with Tiramine Amplification for the Detection of Potato Virus X. Applied Biochemistry and Microbiology, 2019, 55, 434-440.	0.3	2
75	Development of an Immunoenzyme Assay to Control the Total Content of Antibiotics of the Fluoroquinolone Group in Milk. Applied Biochemistry and Microbiology, 2019, 55, 563-569.	0.3	4
76	Triple Immunochromatographic System for Simultaneous Serodiagnosis of Bovine Brucellosis, Tuberculosis, and Leukemia. Biosensors, 2019, 9, 115.	2.3	4
77	ELISA and Lateral Flow Immunoassay for the Detection of Food Colorants: State of the Art. Critical Reviews in Analytical Chemistry, 2019, 49, 209-223.	1.8	25
78	Development of a multicomponent immunochromatographic test system for the detection of fluoroquinolone and amphenicol antibiotics in dairy products. Journal of the Science of Food and Agriculture, 2019, 99, 3834-3842.	1.7	25
79	Development of Rapid Immunochromatographic Assay for D-dimer Detection. Applied Biochemistry and Microbiology, 2019, 55, 305-312.	0.3	4
80	QSAR analysis of immune recognition for triazine herbicides based on immunoassay data for polyclonal and monoclonal antibodies. PLoS ONE, 2019, 14, e0214879.	1.1	8
81	Progress in rapid optical assays for heavy metal ions based on the use of nanoparticles and receptor molecules. Mikrochimica Acta, 2019, 186, 172.	2.5	55
82	Colorimetric Technique for Antimony Detection Based on the Use of Gold Nanoparticles Conjugated with Poly-A Oligonucleotide. Applied Sciences (Switzerland), 2019, 9, 4782.	1.3	8
83	Application of Gold Nanoparticles for High-Sensitivity Fluorescence Polarization Aptamer Assay for Ochratoxin A. Nanotechnologies in Russia, 2019, 14, 397-404.	0.7	3
84	Development of a Lateral Flow Highway: Ultra-Rapid Multitracking Immunosensor for Cardiac Markers. Sensors, 2019, 19, 5494.	2.1	9
85	Nano-(Q)SAR for Cytotoxicity Prediction of Engineered Nanomaterials. Molecules, 2019, 24, 4537.	1.7	39
86	Fluorescence Polarization Immunoassay for Determination of Enrofloxacin in Pork Liver and Chicken. Molecules, 2019, 24, 4462.	1.7	18
87	Gold nanoparticles of different shape for bicolor lateral flow test. Analytical Biochemistry, 2019, 568, 7-13.	1.1	33
88	Cadmium, lead and mercury in muscle tissue of gilthead seabream and seabass: Risk evaluation for consumers. Food and Chemical Toxicology, 2019, 124, 439-449.	1.8	70
89	SERS-based lateral flow immunoassay of troponin I by using gap-enhanced Raman tags. Nano Research, 2019, 12, 413-420.	5.8	105
90	Ciprofloxacin and Clinafloxacin Antibodies for an Immunoassay of Quinolones: Quantitative Structureâ€“Activity Analysis of Cross-Reactivities. International Journal of Molecular Sciences, 2019, 20, 265.	1.8	9

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91	Lectin-based detection of Escherichia coli and Staphylococcus aureus by flow cytometry. Archives of Microbiology, 2019, 201, 313-324.	1.0	19
92	Enlargement of Gold Nanoparticles for Sensitive Immunochromatographic Diagnostics of Potato Brown Rot. Sensors, 2019, 19, 153.	2.1	35
93	Alarm lateral flow immunoassay for detection of the total infection caused by the five viruses. Talanta, 2019, 195, 739-744.	2.9	21
94	Adsorption of proteins on gold nanoparticles: One or more layers?. Colloids and Surfaces B: Biointerfaces, 2019, 173, 557-563.	2.5	67
95	Management of Factors for Improving Antigenâ€“Antibody Interaction in Lateral flow Immunoassay of Tetracycline in Human Serum Samples. Biomedical and Pharmacology Journal, 2019, 12, 17-24.	0.2	2
96	Comparison of Three Schemes of Quantum Dots-Based Immunochromatography for Serodiagnosis of Brucellosis in Cattle. Journal of Engineering and Applied Sciences, 2019, 14, 3711-3718.	0.2	5
97	Simultaneous Immunochromatographic Assay of Several Antibiotics: Modulation of Detection Limits and Working Ranges. Oriental Journal of Chemistry, 2019, 35, 1634-1639.	0.1	3
98	A new kind of highly sensitive competitive lateral flow immunoassay displaying direct analyte-signal dependence. Application to the determination of the mycotoxin deoxynivalenol. Mikrochimica Acta, 2018, 185, 29.	2.5	26
99	Multiplex highly sensitive immunochromatographic assay based on the use of nonprocessed antisera. Analytical and Bioanalytical Chemistry, 2018, 410, 1903-1910.	1.9	10
100	Double-enhanced lateral flow immunoassay for potato virus X based on a combination of magnetic and gold nanoparticles. Analytica Chimica Acta, 2018, 1007, 50-60.	2.6	77
101	Probing the stereoselective interaction of ofloxacin enantiomers with corresponding monoclonal antibodies by multiple spectrometry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 194, 83-91.	2.0	7
102	Ultrasensitive magnetic ELISA of zearalenone with pre-concentration and chemiluminescent detection. Food Control, 2018, 84, 330-338.	2.8	50
103	Enhancement of lateral flow immunoassay by alkaline phosphatase: a simple and highly sensitive test for potato virus X. Mikrochimica Acta, 2018, 185, 25.	2.5	30
104	Highly sensitive immunochromatographic assay for qualitative and quantitative control of beta-agonist salbutamol and its structural analogs in foods. Food Control, 2018, 86, 50-58.	2.8	23
105	Silver-enhanced lateral flow immunoassay for highly-sensitive detection of potato leafroll virus. Food and Agricultural Immunology, 2018, 29, 445-457.	0.7	47
106	Study of Growth of Bare and Protein-Modified Gold Nanoparticles in the Presence of Hydroxylamine and Tetrachloroaurate. Nanotechnologies in Russia, 2018, 13, 614-622.	0.7	5
107	Methods for the Diagnosis of Grapevine Viral Infections: A Review. Agriculture (Switzerland), 2018, 8, 195.	1.4	18
108	Development of Immunochromatographic Assay for Determination of Tetracycline in Human Serum. Antibiotics, 2018, 7, 99.	1.5	11

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109	Lateral Flow Immunoassay for Rapid Detection of Grapevine Leafroll-Associated Virus. Biosensors, 2018, 8, 111.	2.3	26
110	Complexes of Gold Nanoparticles with Antibodies in Immunochromatography: Comparison of Direct and Indirect Immobilization of Antibodies for the Detection of Antibiotics. Nanotechnologies in Russia, 2018, 13, 430-438.	0.7	10
111	Highly Sensitive Immunochromatographic Detection of Antibiotic Ciprofloxacin in Milk. Applied Biochemistry and Microbiology, 2018, 54, 670-676.	0.3	26
112	How to Improve Sensitivity of Sandwich Lateral Flow Immunoassay for Corpuscular Antigens on the Example of Potato Virus Y?. Sensors, 2018, 18, 3975.	2.1	22
113	The registration of aptamerâ€“ligand (ochratoxin A) interactions based on ligand fluorescence changes. Biochemical and Biophysical Research Communications, 2018, 505, 536-541.	1.0	4
114	Post-assay growth of gold nanoparticles as a tool for highly sensitive lateral flow immunoassay. Application to the detection of potato virus X. Mikrochimica Acta, 2018, 185, 506.	2.5	25
115	Efficient chemiluminescence by aptamer â€“ reactant platform combination with activated Agâ€“Au alloy nanoparticles for cobalt detection. International Journal of Environmental Analytical Chemistry, 2018, 98, 570-581.	1.8	6
116	Measurement of (Aptamerâ€“Small Target) K_D Using the Competition between Fluorescently Labeled and Unlabeled Targets and the Detection of Fluorescence Anisotropy. Analytical Chemistry, 2018, 90, 9189-9198.	3.2	19
117	Fluorescence polarization immunoassay of colchicine. Journal of Pharmaceutical and Biomedical Analysis, 2018, 159, 326-330.	1.4	14
118	Theoretical and Experimental Comparison of Different Formats of Immunochromatographic Serodiagnostics. Sensors, 2018, 18, 36.	2.1	12
119	Highly Sensitive Immunochromatographic Assay for Qualitative and Quantitative Control of Beta-Agonist Ractopamine in Foods. Applied Biochemistry and Microbiology, 2018, 54, 436-441.	0.3	6
120	Immunochromatographic Test Systems using Anti-Species Antibodiesâ€“Colloidal Gold Conjugate: Their Features and Benefits on the Example of Ochratoxin A Detection. Moscow University Chemistry Bulletin, 2018, 73, 63-68.	0.2	4
121	Comparative Characteristics of Nanodisperse Labels for Immunochromatographic Test Systems. Nano Hybrids and Composites, 2017, 13, 32-38.	0.8	3
122	Magnetic Nanopartices as Carriers for Immunoassays. Nano Hybrids and Composites, 2017, 13, 54-62.	0.8	2
123	Use of anchor protein modules in fluorescence polarisation aptamer assay for ochratoxin A determination. Analytica Chimica Acta, 2017, 962, 80-87.	2.6	39
124	Enzyme-linked lectinosorbent assay of Escherichia coli and Staphylococcus aureus. Applied Biochemistry and Microbiology, 2017, 53, 107-113.	0.3	2
125	High-sensitivity immunochromatographic assay for fumonisin B1 based on indirect antibody labeling. Biotechnology Letters, 2017, 39, 751-758.	1.1	21
126	Nonlinear responses to waterborne cadmium exposure in zebrafish. An in vivo study. Environmental Research, 2017, 157, 173-181.	3.7	84

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127	Mathematical Model of Serodiagnostic Immunochromatographic Assay. Analytical Chemistry, 2017, 89, 4419-4427.	3.2	29
128	A triple immunochromatographic test for simultaneous determination of cardiac troponin I, fatty acid binding protein, and C-reactive protein biomarkers. Mikrochimica Acta, 2017, 184, 463-471.	2.5	33
129	Development of a lateral flow immunoassay for rapid diagnosis of potato blackleg caused by Dickeya species. Analytical and Bioanalytical Chemistry, 2017, 409, 1915-1927.	1.9	15
130	Immunochromatographic assay of T-2 toxin using labeled anti-species antibodies. Applied Biochemistry and Microbiology, 2017, 53, 594-599.	0.3	5
131	â€œExternalâ€•antibodies as the simplest tool for sensitive immunochromatographic tests. Talanta, 2017, 175, 77-81.	2.9	21
132	Less is More: A Comparison of Antibodyâ€“Gold Nanoparticle Conjugates of Different Ratios. Bioconjugate Chemistry, 2017, 28, 2737-2746.	1.8	96
133	Application of magnetite nanoparticles for the development of highly sensitive immunochromatographic test systems for mycotoxin detection. Applied Biochemistry and Microbiology, 2017, 53, 470-475.	0.3	13
134	Bifunctional gold nanoparticles as an agglomeration-enhancing tool for highly sensitive lateral flow tests: a case study with procalcitonin. Mikrochimica Acta, 2017, 184, 4189-4195.	2.5	47
135	Setting up the cut-off level of a sensitive barcode lateral flow assay with magnetic nanoparticles. Talanta, 2017, 164, 69-76.	2.9	42
136	Fluorescence polarisation immunoassays for strobilurin fungicides kresoxim-methyl, trifloxystrobin and picoxystrobin. Talanta, 2017, 162, 495-504.	2.9	29
137	Development of lateral flow immunoassay for rapid control and quantification of the presence of the colorant Sudan I in spices and seafood. Food Control, 2017, 73, 247-253.	2.8	22
138	Mathematical modeling of bioassays. Biochemistry (Moscow), 2017, 82, 1744-1766.	0.7	14
139	Application of Magnetic Nanoparticles in Immunoassay. Nanotechnologies in Russia, 2017, 12, 471-479.	0.7	23
140	Wheat germ agglutinin and Lens culinaris agglutinin sensitized anisotropic silver nanoparticles in detection of bacteria: A simple photometric assay. Analytica Chimica Acta, 2017, 981, 80-85.	2.6	19
141	"Multistage in one touch" design with a universal labelling conjugate for high-sensitive lateral flow immunoassays. Biosensors and Bioelectronics, 2016, 86, 575-579.	5.3	49
142	Complex analysis of concentrated antibody-gold nanoparticle conjugatesâ€™ mixtures using asymmetric flow field-flow fractionation. Journal of Chromatography A, 2016, 1477, 56-63.	1.8	19
143	Detection of Gold Nanoparticles in Rat Organs by Transmission Electron Microscopy. Bulletin of Experimental Biology and Medicine, 2016, 160, 817-822.	0.3	1
144	Enzyme immunoassay for detection of Sudan I dye and its application to the control of foodstuffs. Journal of Analytical Chemistry, 2016, 71, 944-948.	0.4	8

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145	Comparative study of strategies for antibody immobilization onto the surface of magnetic particles in pseudo-homogeneous enzyme immunoassay of aflatoxin B1. Moscow University Chemistry Bulletin, 2016, 71, 48-53.	0.2	1
146	Chemiluminescence catalysed by gold nanoparticles for the analysis of arsenic (III) in real water. Journal of Experimental Nanoscience, 2016, 11, 1372-1383.	1.3	9
147	Unexpected Electrophoretic Behavior of Complexes between Rod-like Virions and Bivalent Antibodies. Analytical Chemistry, 2016, 88, 11908-11912.	3.2	0
148	Fluorescence polarization immunoassay of ractopamine. Applied Biochemistry and Microbiology, 2016, 52, 673-678.	0.3	12
149	Novel Preparation of Gold Nanoparticles with Application for the Amperometric Determination of Arsenic. Analytical Letters, 2016, 49, 1388-1397.	1.0	3
150	Toxicity of nanosilver in intragastric studies: Biodistribution and metabolic effects. Toxicology Letters, 2016, 241, 184-192.	0.4	38
151	Multiarray on a test strip (MATS): rapid multiplex immunodetection of priority potato pathogens. Analytical and Bioanalytical Chemistry, 2016, 408, 6009-6017.	1.9	33
152	Development of the sensitive lateral flow immunoassay with silver enhancement for the detection of Ralstonia solanacearum in potato tubers. Talanta, 2016, 152, 521-530.	2.9	56
153	Competitive photometric enzyme immunoassay for fullerene C60 and its derivatives using a fullerene conjugated to horseradish peroxidase. Mikrochimica Acta, 2016, 183, 211-217.	2.5	3
154	Size-Dependent Differences in Biodistribution of Titanium Dioxide Nanoparticles After Sub-Acute Intragastric Administrations to Rats. Current Nanoscience, 2016, 12, 228-236.	0.7	11
155	Rapid Multiple Immunoenzyme Assay of Mycotoxins. Toxins, 2015, 7, 238-254.	1.5	55
156	Detection of Intermolecular Interactions Based on Surface Plasmon Resonance Registration. Biochemistry (Moscow), 2015, 80, 1820-1832.	0.7	13
157	Immunochromatographic assay for serodiagnosis of tuberculosis using an antigenâ€“colloidal gold conjugate. Applied Biochemistry and Microbiology, 2015, 51, 834-839.	0.3	10
158	Cut-off on demand: adjustment of the threshold level of an immunochromatographic assay for chloramphenicol. Analytical Methods, 2015, 7, 6378-6384.	1.3	33
159	A family of DNA aptamers with varied duplex region length that forms complexes with thrombin and prothrombin. FEBS Letters, 2015, 589, 2043-2049.	1.3	22
160	Enzyme immunoassay and proteomic characterization of troponin I as a marker of mammalian muscle compounds in raw meat and some meat products. Meat Science, 2015, 105, 46-52.	2.7	52
161	Direct immunosensing by spectral correlation interferometry: assay characteristics versus antibody immobilization chemistry. Analytical and Bioanalytical Chemistry, 2015, 407, 3955-3964.	1.9	31
162	Application of gold nanoparticles produced by laser ablation for immunochromatographic assay labeling. Analytical Biochemistry, 2015, 491, 65-71.	1.1	27

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163	Immunochromatographic test system for the detection of T-2 toxin. Applied Biochemistry and Microbiology, 2015, 51, 688-694.	0.3	8
164	Development and Application of a Label-Free Fluorescence Method for Determining the Composition of Gold Nanoparticleâ€"Protein Conjugates. International Journal of Molecular Sciences, 2015, 16, 907-923.	1.8	23
165	Colorimetric Determination of Lead Using Gold Nanoparticles. Analytical Letters, 2015, 48, 766-782.	1.0	18
166	Stereospecific recognition and quantitative structureâ€"activity relationship between antibodies and enantiomers: ofloxacin as a model hapten. Analyst, The, 2015, 140, 1037-1045.	1.7	14
167	â€˜Traffic lightâ€™ immunochromatographic test based on multicolor quantum dots for the simultaneous detection of several antibiotics in milk. Biosensors and Bioelectronics, 2015, 63, 255-261.	5.3	255
168	Express Immunochromatographic Detection of Antibodies againstBrucella Abortusin Cattle Sera Based on Quantitative Photometric Registration and Modulated Cut-Off Level. Journal of Immunoassay and Immunochemistry, 2015, 36, 80-90.	0.5	10
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