

Boris B Dzantiev

List of Publications by Year in descending order

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203
papers

4,882
citations

101535
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57
g-index

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docs citations

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times ranked

4467
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Ultrasensitive lateral flow immunoassay of phycotoxin microcystin-LR in seafood based on magnetic particles and peroxidase signal amplification. <i>Food Control</i> , 2022, 133, 108655. | 5.5 | 10 |
| 2 | Double qualitative immunochromatographic test for simultaneous control of chicken muscles and eggs in food. <i>Journal of Food Composition and Analysis</i> , 2022, 106, 104324. | 3.9 | 2 |
| 3 | DIRECT2: A novel platform for a CRISPR-Cas12-based assay comprising universal DNA-IgG probe and a direct lateral flow test. <i>Biosensors and Bioelectronics</i> , 2022, 208, 114227. | 10.1 | 12 |
| 4 | Detection Limits of Immunoanalytical Systems: Limiting Factors and Methods of Reduction. <i>Journal of Analytical Chemistry</i> , 2022, 77, 391-401. | 0.9 | 5 |
| 5 | Conjugates of Immunoglobulin-Binding Protein and Gold Nanoparticle: Determination of Composition and Application in Immunochromatographic Analysis of Sulfonylamide. <i>Applied Biochemistry and Microbiology</i> , 2022, 58, 77-82. | 0.9 | 0 |
| 6 | Modulation of Aptamer-Ligand-Binding by Complementary Oligonucleotides: A G-Quadruplex Anti-Ochratoxin A Aptamer Case Study. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4876. | 4.1 | 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. <i>Talanta</i> , 2022, 247, 123535. | 5.5 | 2 |
| 8 | Double Competitive Immunodetection of Small Analyte: Realization for Highly Sensitive Lateral Flow Immunoassay of Chloramphenicol. <i>Biosensors</i> , 2022, 12, 343. | 4.7 | 3 |
| 9 | Rapid detection of phycotoxin domoic acid in seawater and seafood based on the developed lateral flow immunoassay. <i>Analytical Methods</i> , 2022, 14, 2446-2452. | 2.7 | 4 |
| 10 | Cascade-Enhanced Lateral Flow Immunoassay for Sensitive Detection of Okadaic Acid in Seawater, Fish, and Seafood. <i>Foods</i> , 2022, 11, 1691. | 4.3 | 14 |
| 11 | Silent Antibodies Start Talking: Enhanced Lateral Flow Serodiagnosis with Two-Stage Incorporation of Labels into Immune Complexes. <i>Biosensors</i> , 2022, 12, 434. | 4.7 | 2 |
| 12 | Sensitive lateral flow immunoassay of an antibiotic neomycin in foodstuffs. <i>Journal of Food Science and Technology</i> , 2021, 58, 292-301. | 2.8 | 23 |
| 13 | The steadfast Au@Pt soldier: Peroxide-tolerant nanozyme for signal enhancement in lateral flow immunoassay of peroxidase-containing samples. <i>Talanta</i> , 2021, 225, 121961. | 5.5 | 27 |
| 14 | Lateral flow immunoassay for sensitive detection of undeclared chicken meat in meat products. <i>Food Chemistry</i> , 2021, 344, 128598. | 8.2 | 24 |
| 15 | Theoretical limitations for aggregation methods of analysis based on affine interactions. <i>AIP Conference Proceedings</i> , 2021, , . | 0.4 | 0 |
| 16 | Limitations for colorimetric aggregation assay of metal ions and ways of their overcoming. <i>Analytical Methods</i> , 2021, 13, 250-257. | 2.7 | 1 |
| 17 | Network of gold conjugates for enhanced sensitive immunochromatographic assays of troponins. <i>RSC Advances</i> , 2021, 11, 16445-16452. | 3.6 | 10 |
| 18 | Methods for Increasing Sensitivity of Immunochromatographic Test Systems with Colorimetric Detection (Review). <i>Applied Biochemistry and Microbiology</i> , 2021, 57, 143-151. | 0.9 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. | 5.4 | 13 |
| 21 | Changing Cross-Reactivity for Different Immunoassays Using the Same Antibodies: Theoretical Description and Experimental Confirmation. Applied Sciences (Switzerland), 2021, 11, 6581. | 2.5 | 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. | 4.7 | 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. | 5.0 | 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. | 6.5 | 19 |
| 25 | Sensitive lateral flow immunoassay for the detection of pork additives in raw and cooked meat products. Food Chemistry, 2021, 359, 129927. | 8.2 | 19 |
| 26 | Mercaptosuccinic-Acid-Functionalized Gold Nanoparticles for Highly Sensitive Colorimetric Sensing of Fe(III) Ions. Chemosensors, 2021, 9, 290. | 3.6 | 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. | 0.1 | 0 |
| 28 | Comparative Assessment of Different Gold Nanoflowers as Labels for Lateral Flow Immunosensors. Sensors, 2021, 21, 7098. | 3.8 | 3 |
| 29 | Lateral Flow Serodiagnosis in the Double-Antigen Sandwich Format: Theoretical Consideration and Confirmation of Advantages. Sensors, 2021, 21, 39. | 3.8 | 7 |
| 30 | Recombinase Polymerase Amplification Assay with and without Nuclease-Dependent-Labeled Oligonucleotide Probe. International Journal of Molecular Sciences, 2021, 22, 11885. | 4.1 | 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. | 4.1 | 11 |
| 32 | The Potential Use of Isothermal Amplification Assays for In-Field Diagnostics of Plant Pathogens. Plants, 2021, 10, 2424. | 3.5 | 20 |
| 33 | Tannic Acid-Capped Gold Nanoparticles as a Novel Nanozyme for Colorimetric Determination of Pb2+ Ions. Chemosensors, 2021, 9, 332. | 3.6 | 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. | 0.9 | 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. | 3.8 | 9 |
| 36 | Comparative Study of Four Coloured Nanoparticle Labels in Lateral Flow Immunoassay. Nanomaterials, 2021, 11, 3277. | 4.1 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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, , . | 0.4 | 0 |
| 38 | Highly sensitive multiplex lateral flow immunoassay of phytopathogens using Au@Pt nanoparticles as the colorimetric and catalytic label. AIP Conference Proceedings, 2021, , . | 0.4 | 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. | 4.7 | 22 |
| 41 | Raman Scattering-Based Biosensing: New Prospects and Opportunities. Biosensors, 2021, 11, 512. | 4.7 | 26 |
| 42 | Molecularly imprinted polymers as receptors for assays of antibiotics. Critical Reviews in Analytical Chemistry, 2020, 50, 291-310. | 3.5 | 39 |
| 43 | Key significance of DNA-target size in lateral flow assay coupled with recombinase polymerase amplification. Analytica Chimica Acta, 2020, 1102, 109-118. | 5.4 | 28 |
| 44 | Immunochromatographic tests for the detection of microcystin-LR toxin in water and fish samples. Analytical Methods, 2020, 12, 392-400. | 2.7 | 11 |
| 45 | Nucleic acid lateral flow assay with recombinase polymerase amplification: Solutions for highly sensitive detection of RNA virus. Talanta, 2020, 210, 120616. | 5.5 | 46 |
| 46 | Mathematical modeling of immunochromatographic test systems in a competitive format: Analytical and numerical approaches. Biochemical Engineering Journal, 2020, 164, 107763. | 3.6 | 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. | 3.5 | 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. | 2.1 | 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. | 4.3 | 12 |
| 50 | Methods and Applications of In Silico Aptamer Design and Modeling. International Journal of Molecular Sciences, 2020, 21, 8420. | 4.1 | 72 |
| 51 | Development of Immunoenzyme Assay for Detection of Soybean Raw Material in Food Products. Applied Biochemistry and Microbiology, 2020, 56, 483-487. | 0.9 | 2 |
| 52 | Highly sensitive lateral flow test with indirect labelling for zearalenone in baby food. Food and Agricultural Immunology, 2020, 31, 653-666. | 1.4 | 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. | 4.7 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Fluorescence Polarization-Based Bioassays: New Horizons. <i>Sensors</i> , 2020, 20, 7132. | 3.8 | 43 |
| 56 | Immunochromatographic Detection of Myoglobin as a Specific Biomarker of Porcine Muscle Tissues in Meat Products. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7437. | 2.5 | 17 |
| 57 | Perspective and application of molecular imprinting approach for antibiotic detection in food and environmental samples: A critical review. <i>Food Control</i> , 2020, 118, 107381. | 5.5 | 62 |
| 58 | Design of Multiplex Lateral Flow Tests: A Case Study for Simultaneous Detection of Three Antibiotics. <i>Biosensors</i> , 2020, 10, 17. | 4.7 | 18 |
| 59 | Advantages of Highly Spherical Gold Nanoparticles as Labels for Lateral Flow Immunoassay. <i>Sensors</i> , 2020, 20, 3608. | 3.8 | 19 |
| 60 | Quantitative regularities of protein immobilization on the surfaces of gold nanoparticles. <i>AIP Conference Proceedings</i> , 2020, , . | 0.4 | 1 |
| 61 | Development of mathematical models of lateral flow membrane bioanalytical systems and characterization of the regularities of their functioning. <i>AIP Conference Proceedings</i> , 2020, , . | 0.4 | 1 |
| 62 | Development of a double immunochromatographic test system for simultaneous determination of lincomycin and tylosin antibiotics in foodstuffs. <i>Food Chemistry</i> , 2020, 318, 126510. | 8.2 | 23 |
| 63 | Immunochromatographic System for Serodiagnostics of Cattle Brucellosis Using Gold Nanoparticles and Signal Amplification with Quantum Dots. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 738. | 2.5 | 6 |
| 64 | A Mechanism of Gold Nanoparticle Aggregation by Immunoglobulin G Preparation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 475. | 2.5 | 7 |
| 65 | An immunochromatographic test system for the determination of lincomycin in foodstuffs of animal origin. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1141, 122014. | 2.3 | 16 |
| 66 | A chitosan gold nanoparticles molecularly imprinted polymer based ciprofloxacin sensor. <i>RSC Advances</i> , 2020, 10, 12823-12832. | 3.6 | 70 |
| 67 | Urchin peroxidase-mimicking Au@Pt nanoparticles as a label in lateral flow immunoassay: impact of nanoparticle composition on detection limit of <i>Clavibacter michiganensis</i> . <i>Mikrochimica Acta</i> , 2020, 187, 268. | 5.0 | 24 |
| 68 | Lateral flow immunoassay for rapid qualitative and quantitative control of the veterinary drug bacitracin in milk. <i>Microchemical Journal</i> , 2020, 156, 104884. | 4.5 | 8 |
| 69 | Electron-Microscopic Investigation of the Distribution of Titanium Dioxide (rutile) Nanoparticles in the Rats's Small Intestine Mucosa, Liver, and Spleen. <i>Current Nanoscience</i> , 2020, 16, 268-279. | 1.2 | 3 |
| 70 | Application of aminophenylboronic acid conjugated with protein carrier for aptachromatographic detection of lead ions. <i>AIP Conference Proceedings</i> , 2020, , . | 0.4 | 0 |
| 71 | Recombinase polymerase amplification combined with a magnetic nanoparticle-based immunoassay for fluorometric determination of troponin T. <i>Mikrochimica Acta</i> , 2019, 186, 549. | 5.0 | 13 |
| 72 | Towards Lateral Flow Quantitative Assays: Detection Approaches. <i>Biosensors</i> , 2019, 9, 89. | 4.7 | 133 |

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|----|---|------|-----------|
| 73 | Lateral flow immunoassay for bisphenol A: Development of test strips and their application for ecological monitoring. <i>Journal of Physics: Conference Series</i> , 2019, 1172, 012088. | 0.4 | 5 |
| 74 | Development of Enzyme-Linked Immunosorbent Assay with Tiramine Amplification for the Detection of Potato Virus X. <i>Applied Biochemistry and Microbiology</i> , 2019, 55, 434-440. | 0.9 | 2 |
| 75 | Development of an Immunoenzyme Assay to Control the Total Content of Antibiotics of the Fluoroquinolone Group in Milk. <i>Applied Biochemistry and Microbiology</i> , 2019, 55, 563-569. | 0.9 | 4 |
| 76 | Triple Immunochromatographic System for Simultaneous Serodiagnosis of Bovine Brucellosis, Tuberculosis, and Leukemia. <i>Biosensors</i> , 2019, 9, 115. | 4.7 | 4 |
| 77 | ELISA and Lateral Flow Immunoassay for the Detection of Food Colorants: State of the Art. <i>Critical Reviews in Analytical Chemistry</i> , 2019, 49, 209-223. | 3.5 | 25 |
| 78 | Development of a multicomponent immunochromatographic test system for the detection of fluoroquinolone and amphenicol antibiotics in dairy products. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 3834-3842. | 3.5 | 25 |
| 79 | Development of Rapid Immunochromatographic Assay for D-dimer Detection. <i>Applied Biochemistry and Microbiology</i> , 2019, 55, 305-312. | 0.9 | 4 |
| 80 | QSAR analysis of immune recognition for triazine herbicides based on immunoassay data for polyclonal and monoclonal antibodies. <i>PLoS ONE</i> , 2019, 14, e0214879. | 2.5 | 8 |
| 81 | Progress in rapid optical assays for heavy metal ions based on the use of nanoparticles and receptor molecules. <i>Mikrochimica Acta</i> , 2019, 186, 172. | 5.0 | 55 |
| 82 | Colorimetric Technique for Antimony Detection Based on the Use of Gold Nanoparticles Conjugated with Poly-A Oligonucleotide. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4782. | 2.5 | 8 |
| 83 | Application of Gold Nanoparticles for High-Sensitivity Fluorescence Polarization Aptamer Assay for Ochratoxin A. <i>Nanotechnologies in Russia</i> , 2019, 14, 397-404. | 0.7 | 3 |
| 84 | Development of a Lateral Flow Highway: Ultra-Rapid Multitracking Immunosensor for Cardiac Markers. <i>Sensors</i> , 2019, 19, 5494. | 3.8 | 9 |
| 85 | Nano-(Q)SAR for Cytotoxicity Prediction of Engineered Nanomaterials. <i>Molecules</i> , 2019, 24, 4537. | 3.8 | 39 |
| 86 | Fluorescence Polarization Immunoassay for Determination of Enrofloxacin in Pork Liver and Chicken. <i>Molecules</i> , 2019, 24, 4462. | 3.8 | 18 |
| 87 | Gold nanoparticles of different shape for bicolor lateral flow test. <i>Analytical Biochemistry</i> , 2019, 568, 7-13. | 2.4 | 33 |
| 88 | Cadmium, lead and mercury in muscle tissue of gilthead seabream and seabass: Risk evaluation for consumers. <i>Food and Chemical Toxicology</i> , 2019, 124, 439-449. | 3.6 | 70 |
| 89 | SERS-based lateral flow immunoassay of troponin I by using gap-enhanced Raman tags. <i>Nano Research</i> , 2019, 12, 413-420. | 10.4 | 105 |
| 90 | Ciprofloxacin and Clinafloxacin Antibodies for an Immunoassay of Quinolones: Quantitative Structure-Activity Analysis of Cross-Reactivities. <i>International Journal of Molecular Sciences</i> , 2019, 20, 265. | 4.1 | 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. | 2.2 | 19 |
| 92 | Enlargement of Gold Nanoparticles for Sensitive Immunochromatographic Diagnostics of Potato Brown Rot. Sensors, 2019, 19, 153. | 3.8 | 35 |
| 93 | Alarm lateral flow immunoassay for detection of the total infection caused by the five viruses. Talanta, 2019, 195, 739-744. | 5.5 | 21 |
| 94 | Adsorption of proteins on gold nanoparticles: One or more layers?. Colloids and Surfaces B: Biointerfaces, 2019, 173, 557-563. | 5.0 | 67 |
| 95 | Management of Factors for Improving Antigen-Antibody Interaction in Lateral flow Immunoassay of Tetracycline in Human Serum Samples. Biomedical and Pharmacology Journal, 2019, 12, 17-24. | 0.5 | 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. | 0.3 | 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. | 5.0 | 26 |
| 99 | Multiplex highly sensitive immunochromatographic assay based on the use of nonprocessed antisera. Analytical and Bioanalytical Chemistry, 2018, 410, 1903-1910. | 3.7 | 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. | 5.4 | 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. | 3.9 | 7 |
| 102 | Ultrasensitive magnetic ELISA of zearalenone with pre-concentration and chemiluminescent detection. Food Control, 2018, 84, 330-338. | 5.5 | 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. | 5.0 | 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. | 5.5 | 23 |
| 105 | Silver-enhanced lateral flow immunoassay for highly-sensitive detection of potato leafroll virus. Food and Agricultural Immunology, 2018, 29, 445-457. | 1.4 | 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. | 3.1 | 18 |
| 108 | Development of Immunochromatographic Assay for Determination of Tetracycline in Human Serum. Antibiotics, 2018, 7, 99. | 3.7 | 11 |

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|-----|--|-----|-----------|
| 109 | Lateral Flow Immunoassay for Rapid Detection of Grapevine Leafroll-Associated Virus. <i>Biosensors</i> , 2018, 8, 111. | 4.7 | 26 |
| 110 | Complexes of Gold Nanoparticles with Antibodies in Immunochromatography: Comparison of Direct and Indirect Immobilization of Antibodies for the Detection of Antibiotics. <i>Nanotechnologies in Russia</i> , 2018, 13, 430-438. | 0.7 | 10 |
| 111 | Highly Sensitive Immunochromatographic Detection of Antibiotic Ciprofloxacin in Milk. <i>Applied Biochemistry and Microbiology</i> , 2018, 54, 670-676. | 0.9 | 26 |
| 112 | How to Improve Sensitivity of Sandwich Lateral Flow Immunoassay for Corpuscular Antigens on the Example of Potato Virus Y?. <i>Sensors</i> , 2018, 18, 3975. | 3.8 | 22 |
| 113 | The registration of aptamer–ligand (ochratoxin A) interactions based on ligand fluorescence changes. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 536-541. | 2.1 | 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. <i>Mikrochimica Acta</i> , 2018, 185, 506. | 5.0 | 25 |
| 115 | Efficient chemiluminescence by aptamer – reactant platform combination with activated Ag–Au alloy nanoparticles for cobalt detection. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 570-581. | 3.3 | 6 |
| 116 | Measurement of (Aptamer–Small Target) K_D Using the Competition between Fluorescently Labeled and Unlabeled Targets and the Detection of Fluorescence Anisotropy. <i>Analytical Chemistry</i> , 2018, 90, 9189-9198. | 6.5 | 19 |
| 117 | Fluorescence polarization immunoassay of colchicine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 159, 326-330. | 2.8 | 14 |
| 118 | Theoretical and Experimental Comparison of Different Formats of Immunochromatographic Serodiagnostics. <i>Sensors</i> , 2018, 18, 36. | 3.8 | 12 |
| 119 | Highly Sensitive Immunochromatographic Assay for Qualitative and Quantitative Control of Beta-Agonist Ractopamine in Foods. <i>Applied Biochemistry and Microbiology</i> , 2018, 54, 436-441. | 0.9 | 6 |
| 120 | Immunochromatographic Test Systems using Anti-Species Antibodies–Colloidal Gold Conjugate: Their Features and Benefits on the Example of Ochratoxin A Detection. <i>Moscow University Chemistry Bulletin</i> , 2018, 73, 63-68. | 0.6 | 4 |
| 121 | Comparative Characteristics of Nanodisperse Labels for Immunochromatographic Test Systems. <i>Nano Hybrids and Composites</i> , 2017, 13, 32-38. | 0.8 | 3 |
| 122 | Magnetic Nanoparticles as Carriers for Immunoassays. <i>Nano Hybrids and Composites</i> , 2017, 13, 54-62. | 0.8 | 2 |
| 123 | Use of anchor protein modules in fluorescence polarisation aptamer assay for ochratoxin A determination. <i>Analytica Chimica Acta</i> , 2017, 962, 80-87. | 5.4 | 39 |
| 124 | Enzyme-linked lectinosorbent assay of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Applied Biochemistry and Microbiology</i> , 2017, 53, 107-113. | 0.9 | 2 |
| 125 | High-sensitivity immunochromatographic assay for fumonisin B1 based on indirect antibody labeling. <i>Biotechnology Letters</i> , 2017, 39, 751-758. | 2.2 | 21 |
| 126 | Nonlinear responses to waterborne cadmium exposure in zebrafish. An in vivo study. <i>Environmental Research</i> , 2017, 157, 173-181. | 7.5 | 84 |

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|-----|--|------|-----------|
| 127 | Mathematical Model of Serodiagnostic Immunochromatographic Assay. <i>Analytical Chemistry</i> , 2017, 89, 4419-4427. | 6.5 | 29 |
| 128 | A triple immunochromatographic test for simultaneous determination of cardiac troponin I, fatty acid binding protein, and C-reactive protein biomarkers. <i>Mikrochimica Acta</i> , 2017, 184, 463-471. | 5.0 | 33 |
| 129 | Development of a lateral flow immunoassay for rapid diagnosis of potato blackleg caused by <i>Dickeya</i> species. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1915-1927. | 3.7 | 15 |
| 130 | Immunochromatographic assay of T-2 toxin using labeled anti-species antibodies. <i>Applied Biochemistry and Microbiology</i> , 2017, 53, 594-599. | 0.9 | 5 |
| 131 | “External” antibodies as the simplest tool for sensitive immunochromatographic tests. <i>Talanta</i> , 2017, 175, 77-81. | 5.5 | 21 |
| 132 | Less is More: A Comparison of Antibody–Gold Nanoparticle Conjugates of Different Ratios. <i>Bioconjugate Chemistry</i> , 2017, 28, 2737-2746. | 3.6 | 96 |
| 133 | Application of magnetite nanoparticles for the development of highly sensitive immunochromatographic test systems for mycotoxin detection. <i>Applied Biochemistry and Microbiology</i> , 2017, 53, 470-475. | 0.9 | 13 |
| 134 | Bifunctional gold nanoparticles as an agglomeration-enhancing tool for highly sensitive lateral flow tests: a case study with prolactin. <i>Mikrochimica Acta</i> , 2017, 184, 4189-4195. | 5.0 | 47 |
| 135 | Setting up the cut-off level of a sensitive barcode lateral flow assay with magnetic nanoparticles. <i>Talanta</i> , 2017, 164, 69-76. | 5.5 | 42 |
| 136 | Fluorescence polarisation immunoassays for strobilurin fungicides kresoxim-methyl, trifloxystrobin and picoxystrobin. <i>Talanta</i> , 2017, 162, 495-504. | 5.5 | 29 |
| 137 | Development of lateral flow immunoassay for rapid control and quantification of the presence of the colorant Sudan I in spices and seafood. <i>Food Control</i> , 2017, 73, 247-253. | 5.5 | 22 |
| 138 | Mathematical modeling of bioassays. <i>Biochemistry (Moscow)</i> , 2017, 82, 1744-1766. | 1.5 | 14 |
| 139 | Application of Magnetic Nanoparticles in Immunoassay. <i>Nanotechnologies in Russia</i> , 2017, 12, 471-479. | 0.7 | 23 |
| 140 | Wheat germ agglutinin and <i>Lens culinaris</i> agglutinin sensitized anisotropic silver nanoparticles in detection of bacteria: A simple photometric assay. <i>Analytica Chimica Acta</i> , 2017, 981, 80-85. | 5.4 | 19 |
| 141 | "Multistage in one touch" design with a universal labelling conjugate for high-sensitive lateral flow immunoassays. <i>Biosensors and Bioelectronics</i> , 2016, 86, 575-579. | 10.1 | 49 |
| 142 | Complex analysis of concentrated antibody-gold nanoparticle conjugates™ mixtures using asymmetric flow field-flow fractionation. <i>Journal of Chromatography A</i> , 2016, 1477, 56-63. | 3.7 | 19 |
| 143 | Detection of Gold Nanoparticles in Rat Organs by Transmission Electron Microscopy. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 160, 817-822. | 0.8 | 1 |
| 144 | Enzyme immunoassay for detection of Sudan I dye and its application to the control of foodstuffs. <i>Journal of Analytical Chemistry</i> , 2016, 71, 944-948. | 0.9 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 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. | 0.6 | 1 |
| 146 | Chemiluminescence catalysed by gold nanoparticles for the analysis of arsenic (III) in real water. Journal of Experimental Nanoscience, 2016, 11, 1372-1383. | 2.4 | 9 |
| 147 | Unexpected Electrophoretic Behavior of Complexes between Rod-like Virions and Bivalent Antibodies. Analytical Chemistry, 2016, 88, 11908-11912. | 6.5 | 0 |
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