

Irina Y Goryacheva

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h-index

48
g-index

197
ext. papers

3,593
ext. citations

5.4
avg, IF

5.43
L-index

#	Paper	IF	Citations
150	Magnetic nanogold microspheres-based lateral-flow immunodipstick for rapid detection of aflatoxin B2 in food. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 514-8	11.8	187
149	Immunochemical methods for rapid mycotoxin detection: evolution from single to multiple analyte screening: a review. <i>Food Additives and Contaminants</i> , 2007 , 24, 1169-83		117
148	Novel multiplex fluorescent immunoassays based on quantum dot nanolabels for mycotoxins determination. <i>Biosensors and Bioelectronics</i> , 2014 , 62, 59-65	11.8	103
147	Anodic-stripping voltammetric immunoassay for ultrasensitive detection of low-abundance proteins using quantum dot aggregated hollow microspheres. <i>Chemistry - A European Journal</i> , 2013 , 19, 2496-503	4.8	87
146	Polymer-coated fluorescent CdSe-based quantum dots for application in immunoassay. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 225-31	11.8	79
145	Bioconjugation of quantum dots: Review & impact on future application. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 83, 31-48	14.6	76
144	A lateral flow immunoassay for straightforward determination of fumonisin mycotoxins based on the quenching of the fluorescence of CdSe/ZnS quantum dots by gold and silver nanoparticles. <i>Mikrochimica Acta</i> , 2018 , 185, 94	5.8	73
143	Nanosized labels for rapid immunotests. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 46, 30-43	14.6	73
142	Quantum dot based rapid tests for zearalenone detection. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 3013-24	4.4	69
141	Hydrophilic, bright CuInS ₂ quantum dots as Cd-free fluorescent labels in quantitative immunoassay. <i>Langmuir</i> , 2014 , 30, 7567-75	4	66
140	Approach for ochratoxin A fast screening in spices using clean-up tandem immunoassay columns with confirmation by high performance liquid chromatography-tandem mass spectrometry (HPLC-MS/MS). <i>Analytica Chimica Acta</i> , 2006 , 577, 38-45	6.6	66
139	Nanobiosensors: Point-of-care approaches for cancer diagnostics. <i>Biosensors and Bioelectronics</i> , 2019 , 130, 147-165	11.8	63
138	Air pollution associated epigenetic modifications: Transgenerational inheritance and underlying molecular mechanisms. <i>Science of the Total Environment</i> , 2019 , 656, 760-777	10.2	57
137	Simultaneous non-instrumental detection of aflatoxin B1 and ochratoxin A using a clean-up tandem immunoassay column. <i>Analytica Chimica Acta</i> , 2007 , 590, 118-24	6.6	55
136	Carbon nanodots: Mechanisms of photoluminescence and principles of application. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 90, 27-37	14.6	54
135	A fluorescent immunochromatographic strip test using Quantum Dots for fumonisins detection. <i>Talanta</i> , 2016 , 150, 463-8	6.2	53
134	Application of a new anti-zearalenone monoclonal antibody in different immunoassay formats. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 1301-7	4.4	49

133	Synthesis, modification, bioconjugation of silica coated fluorescent quantum dots and their application for mycotoxin detection. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 476-81	11.8	47
132	Quantum dot loaded liposomes as fluorescent labels for immunoassay. <i>Analytical Chemistry</i> , 2013 , 85, 7197-204	7.8	47
131	Preconcentration and fluorimetric determination of polycyclic aromatic hydrocarbons based on the acid-induced cloud-point extraction with sodium dodecylsulfate. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 1413-8	4.4	46
130	Multiplex flow-through immunoassay formats for screening of mycotoxins in a variety of food matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 265-78	4.4	45
129	Ultrafine particulate matter impairs mitochondrial redox homeostasis and activates phosphatidylinositol 3-kinase mediated DNA damage responses in lymphocytes. <i>Environmental Pollution</i> , 2018 , 234, 406-419	9.3	45
128	Quantum Dot Based Nano-Biosensors for Detection of Circulating Cell Free miRNAs in Lung Carcinogenesis: From Biology to Clinical Translation. <i>Frontiers in Genetics</i> , 2018 , 9, 616	4.5	43
127	Luminescence and photoelectrochemical properties of size-selected aqueous copper-doped Ag-In-S quantum dots.. <i>RSC Advances</i> , 2018 , 8, 7550-7557	3.7	40
126	Lanthanide-to-quantum dot Förster resonance energy transfer (FRET): Application for immunoassay. <i>Talanta</i> , 2017 , 164, 377-385	6.2	37
125	Synthesis of Hydrophilic CuInS ₂ /ZnS Quantum Dots with Different Polymeric Shells and Study of Their Cytotoxicity and Hemocompatibility. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7613-22	9.5	36
124	Non-instrumental immunochemical tests for rapid ochratoxin A detection in red wine. <i>Analytica Chimica Acta</i> , 2009 , 653, 97-102	6.6	36
123	Rapid all-in-one three-step immunoassay for non-instrumental detection of ochratoxin A in high-coloured herbs and spices. <i>Talanta</i> , 2007 , 72, 1230-4	6.2	36
122	Immunochemical methods for the determination of mycotoxins. <i>Journal of Analytical Chemistry</i> , 2009 , 64, 768-785	1.1	35
121	Exposure to ultrafine particulate matter induces NF- κ B-mediated epigenetic modifications. <i>Environmental Pollution</i> , 2019 , 252, 39-50	9.3	34
120	Silica-coated liposomes loaded with quantum dots as labels for multiplex fluorescent immunoassay. <i>Talanta</i> , 2015 , 134, 120-125	6.2	34
119	Synthesis and bioanalytical applications of nanostructures multiloading with quantum dots. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 66, 53-62	14.6	33
118	A comparison of horseradish peroxidase, gold nanoparticles and quantum dots as labels in non-instrumental gel-based immunoassay. <i>Mikrochimica Acta</i> , 2011 , 175, 361-367	5.8	31
117	Silanized Luminescent Quantum Dots for the Simultaneous Multicolor Lateral Flow Immunoassay of Two Mycotoxins. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24575-24584	9.5	30
116	Immunoaffinity pre-concentration combined with on-column visual detection as a tool for rapid aflatoxin M1 screening in milk. <i>Food Control</i> , 2009 , 20, 802-806	6.2	30

115	An immunochemical test for rapid screening of zearalenone and T-2 toxin. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 55-62	4.4	30
114	Supramolecular solid-phase extraction of ibuprofen and naproxen from sewage based on the formation of mixed supramolecular aggregates prior to their liquid chromatographic/photometric determination. <i>Journal of Chromatography A</i> , 2008 , 1210, 1-7	4.5	30
113	Luminescent quantum dots for miRNA detection. <i>Talanta</i> , 2018 , 179, 456-465	6.2	29
112	Immunochemical approach for zearalenone-4-glucoside determination. <i>Talanta</i> , 2013 , 106, 422-30	6.2	28
111	Multi-detection of mycotoxins by membrane based flow-through immunoassay. <i>Food Control</i> , 2014 , 46, 462-469	6.2	27
110	Liposomes loaded with quantum dots for ultrasensitive on-site determination of aflatoxin M1 in milk products. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 7795-802	4.4	27
109	Novel gel-based rapid test for non-instrumental detection of ochratoxin A in beer. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 723-7	4.4	27
108	Fluorescently labelled multiplex lateral flow immunoassay based on cadmium-free quantum dots. <i>Methods</i> , 2017 , 116, 141-148	4.6	25
107	Sensitive QD@SiO ₂ -based immunoassay for triplex determination of cereal-borne mycotoxins. <i>Talanta</i> , 2016 , 160, 66-71	6.2	25
106	Sample pretreatment and SERS-based detection of ceftriaxone in urine. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 2221-2227	4.4	24
105	Improved positive electrospray ionization of patulin by adduct formation: usefulness in liquid chromatography-tandem mass spectrometry multi-mycotoxin analysis. <i>Journal of Chromatography A</i> , 2012 , 1270, 334-9	4.5	23
104	Epigenetic Biomarkers for Risk Assessment of Particulate Matter Associated Lung Cancer. <i>Current Drug Targets</i> , 2018 , 19, 1127-1147	3	22
103	Calcium carbonate microparticles with embedded silver and magnetite nanoparticles as new SERS-active sorbent for solid phase extraction. <i>Mikrochimica Acta</i> , 2017 , 184, 3937-3944	5.8	21
102	Gel-based immunotest for simultaneous detection of 2,4,6-trichlorophenol and ochratoxin A in red wine. <i>Analytica Chimica Acta</i> , 2010 , 672, 3-8	6.6	20
101	Gel-based immunoassay for non-instrumental detection of pyrene in water samples. <i>Talanta</i> , 2008 , 75, 517-22	6.2	20
100	Luminescent carbon nanoparticles: synthesis, methods of investigation, applications. <i>Russian Chemical Reviews</i> , 2017 , 86, 1157-1171	6.8	19
99	Immunochemical detection of masked mycotoxins: A short review. <i>World Mycotoxin Journal</i> , 2012 , 5, 281-287	2.5	19
98	Multi-analyte homogenous immunoassay based on quenching of quantum dots by functionalized graphene. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 4841-9	4.4	18

97	Microstructured optical fiber-based luminescent biosensing: Is there any light at the end of the tunnel? - A review. <i>Analytica Chimica Acta</i> , 2018 , 1019, 14-24	6.6	17
96	Capacitive sensor for detection of benzo(a)pyrene in water. <i>Talanta</i> , 2018 , 190, 219-225	6.2	17
95	A systematic assessment of the variability of matrix effects in LC-MS/MS analysis of ergot alkaloids in cereals and evaluation of method robustness. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 5595-604	4.4	17
94	A gel-based visual immunoassay for non-instrumental detection of chloramphenicol in food samples. <i>Analytica Chimica Acta</i> , 2012 , 751, 128-34	6.6	17
93	Development of a Fluorescence Polarization Immunoassay for Polycyclic Aromatic Hydrocarbons. <i>Analytical Letters</i> , 2007 , 40, 1445-1460	2.2	16
92	Water-dispersed luminescent quantum dots for miRNA detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 111, 197-205	14.6	16
91	Dispersion of optical and structural properties in gel column separated carbon nanoparticles. <i>Carbon</i> , 2018 , 127, 541-547	10.4	16
90	SERS detection of ceftriaxone and sulfadimethoxine using copper nanoparticles temporally protected by porous calcium carbonate. <i>Mikrochimica Acta</i> , 2018 , 185, 481	5.8	16
89	New immunochemically-based field test for monitoring benzo[a]pyrene in aqueous samples. <i>Analytical Sciences</i> , 2008 , 24, 1613-7	1.7	14
88	Raman spectroscopy based analysis inside photonic-crystal fibers. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 88, 185-197	14.6	13
87	Chemometric analysis of luminescent quantum dots systems: Long way to go but first steps taken. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 82, 164-174	14.6	13
86	Thin-layer chromatography of aflatoxins and zearalenones with β -cyclodextrins as mobile phase additives. <i>World Mycotoxin Journal</i> , 2011 , 4, 113-117	2.5	13
85	Multifunctional silver nanoparticle-doped silica for solid-phase extraction and surface-enhanced Raman scattering detection. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	13
84	Preparation and characterization of stable phospholipid-silica nanostructures loaded with quantum dots. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 180-183	7.3	12
83	Bioimprinting for multiplex luminescent detection of deoxynivalenol and zearalenone. <i>Talanta</i> , 2019 , 192, 169-174	6.2	12
82	Luminescent carbon nanoparticles separation and purification. <i>Advances in Colloid and Interface Science</i> , 2019 , 274, 102043	14.3	11
81	New approach to quantitative analysis of benzo[a]pyrene in food supplements by an immunochemical column test. <i>Talanta</i> , 2011 , 85, 151-6	6.2	11
80	Extraction preconcentration with anionic surfactants in acidic solutions. <i>Journal of Analytical Chemistry</i> , 2007 , 62, 411-415	1.1	11

79	Carbon dot aggregates as an alternative to gold nanoparticles for the laser-induced opening of microchamber arrays. <i>Soft Matter</i> , 2018 , 14, 9012-9019	3.6	11
78	Fluorescent AgInS/ZnS quantum dots microplate and lateral flow immunoassays for folic acid determination in juice samples. <i>Mikrochimica Acta</i> , 2020 , 187, 427	5.8	10
77	Mapping the Mitochondrial Regulation of Epigenetic Modifications in Association With Carcinogenic and Noncarcinogenic Polycyclic Aromatic Hydrocarbon Exposure. <i>International Journal of Toxicology</i> , 2020 , 39, 465-476	2.4	10
76	Silanization of quantum dots: Challenges and perspectives. <i>Talanta</i> , 2019 , 205, 120164	6.2	10
75	Fluorescent properties of aflatoxins in organized media based on surfactants, cyclodextrins, and calixresorcinarenes. <i>Journal of Analytical Chemistry</i> , 2008 , 63, 751-755	1.1	10
74	The effect of an external heavy atom on the sensitized room temperature phosphorescence in aqueous micellar solutions of sodium dodecylsulphate. <i>Journal of Molecular Structure</i> , 1999 , 482-483, 699-702	3.4	10
73	Molecularly imprinted polyaniline for detection of horseradish peroxidase. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 6509-6517	4.4	9
72	Luminescent carbon nanostructures for microRNA detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 119, 115613	14.6	9
71	Gel electrophoresis separation and origins of light emission in fluorophores prepared from citric acid and ethylenediamine. <i>Scientific Reports</i> , 2019 , 9, 14665	4.9	9
70	Acridine dyes in the triplet state as reagents for the selective luminescence determination of polycyclic aromatic hydrocarbons. <i>Journal of Analytical Chemistry</i> , 2000 , 55, 874-878	1.1	9
69	Quantum dot nanoconjugates for immuno-detection of circulating cell-free miRNAs. <i>Talanta</i> , 2020 , 208, 120486	6.2	9
68	Investigation of Multilayers Structures Based on the Langmuir-Blodgett Films of CdSe/ZnS Quantum Dots. <i>BioNanoScience</i> , 2016 , 6, 153-156	3.4	8
67	Solvothermal synthesis of hydrophobic carbon dots in reversed micelles. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 1	2.3	8
66	Silanized quantum dots as labels in lateral flow test strips for C-reactive protein. <i>Analytical Letters</i> , 2019 , 52, 1874-1887	2.2	7
65	Controlled chemical modification of the internal surface of photonic crystal fibers for application as biosensitive elements. <i>Optical Materials</i> , 2016 , 60, 283-289	3.3	7
64	Imprinted proteins as a receptor for detection of zearalenone. <i>Analytica Chimica Acta</i> , 2018 , 1040, 99-104	4.6	7
63	The red shift of the semiconductor quantum dots luminescence maximum in the hollow core photonic crystal fibers. <i>Optical Materials</i> , 2017 , 73, 423-427	3.3	7
62	Rapid and sensitive LC-MS/MS determination of ergot alkaloids in buffered solutions: application to in vitro testing of a clay-based mycotoxin binder. <i>World Mycotoxin Journal</i> , 2013 , 6, 105-115	2.5	7

61	Rapid method for qualitative detection of in environmental samples. <i>Analytical Methods</i> , 2009 , 1, 170-176	7
60	Delivery and reveal of localization of upconversion luminescent microparticles and quantum dots in the skin in vivo by fractional laser microablation, multimodal imaging, and optical clearing. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-11	3.5 7
59	Homogenous FRET-based fluorescent immunoassay for deoxynivalenol detection by controlling the distance of donor-acceptor couple. <i>Talanta</i> , 2021 , 225, 121973	6.2 7
58	Influence of electric field on the properties of the polymer stabilized luminescent quantum dots in aqueous solutions. <i>Journal of Luminescence</i> , 2016 , 176, 65-70	3.8 6
57	Simultaneous determination of several mycotoxins by rapid immunofiltration assay. <i>Journal of Analytical Chemistry</i> , 2014 , 69, 525-534	1.1 6
56	Rapid immunochemical tests for qualitative and quantitative determination of T-2 and HT-2 toxins. <i>Analytical Methods</i> , 2012 , 4, 4244	3.2 6
55	Determination of Ochratoxin A in colored food products: Sample preparation and an immunoassay test method. <i>Journal of Analytical Chemistry</i> , 2010 , 65, 760-766	1.1 6
54	Analysis of polycyclic aromatic hydrocarbons by sensitized room temperature phosphorescence. <i>Environmental Chemistry Letters</i> , 2003 , 1, 82-85	13.3 6
53	Discrimination of whiskies using an Bdd-a-fluorophore fluorescent fingerprinting strategy. <i>Microchemical Journal</i> , 2019 , 145, 397-405	4.8 6
52	Fabrication and photoluminescent properties of Tb doped carbon nanodots. <i>Scientific Reports</i> , 2018 , 8, 16301	4.9 6
51	One step hydrothermal functionalization of gold nanoparticles with folic acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 533-538	6 5
50	Composite multilayer films based on polyelectrolytes and in situ-formed carbon nanostructures with enhanced photoluminescence and conductivity properties. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47718	2.9 5
49	Hydrophilic quantum dots stability against an external low-strength electric field. <i>Applied Surface Science</i> , 2016 , 363, 259-263	6.7 5
48	Thermal carbonization in nanoscale reactors: controlled formation of carbon nanodots inside porous CaCO microparticles. <i>Scientific Reports</i> , 2018 , 8, 9394	4.9 5
47	Fluorescent quantum dots: Synthesis, modification, and application in immunoassays. <i>Nanotechnologies in Russia</i> , 2013 , 8, 685-699	0.6 5
46	Sensitized room temperature phosphorescence of pyrene in sodium dodecylsulfate micelles with triphaflavine as energy donor. <i>Analytica Chimica Acta</i> , 2001 , 439, 81-86	6.6 5
45	Carbon Nanoparticles and Materials on Their Basis. <i>Colloids and Interfaces</i> , 2020 , 4, 42	3 5
44	Site-specific release of reactive oxygen species from ordered arrays of microchambers based on polylactic acid and carbon nanodots. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 7977-7986	7.3 5

43	Immuno-cytometric detection of circulating cell free methylated DNA, post-translationally modified histones and micro RNAs using semi-conducting nanocrystals. <i>Talanta</i> , 2021 , 222, 121516	6.2	5
42	Contemporary trends in the development of immunochemical methods for medical analysis. <i>Journal of Analytical Chemistry</i> , 2015 , 70, 903-914	1.1	4
41	Preparation of water soluble zinc-blende CdSe/ZnS quantum dots. <i>Nanotechnologies in Russia</i> , 2013 , 8, 129-135	0.6	4
40	Molecular nature of breakdown of the folic acid under hydrothermal treatment: a combined experimental and DFT study. <i>Scientific Reports</i> , 2020 , 10, 19668	4.9	4
39	Fluorescent quantum dot hydrophilization with PAMAM dendrimer. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	4
38	Enzyme modulation of quantum dot luminescence: Application in bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 127, 115897	14.6	4
37	Photoluminescence-based immunochemical methods for determination of C-reactive protein and procalcitonin. <i>Talanta</i> , 2021 , 224, 121837	6.2	4
36	Soft glass multi-channel capillaries as a platform for bioimprinting. <i>Talanta</i> , 2020 , 208, 120445	6.2	3
35	Point-of-care diagnostics approaches for detection of lung cancer-associated circulating miRNAs. <i>Drug Discovery Today</i> , 2021 , 26, 1501-1509	8.8	3
34	Thermosensitivity of nanothermometer: CdSe/ZnS vs. CuInS ₂ /ZnS 2016 ,		3
33	A luminescence immunoassay test method for determining benzo[a]pyrene in natural water. <i>Journal of Analytical Chemistry</i> , 2017 , 72, 597-601	1.1	2
32	The study of the formation of monolayers of quantum dots at different temperatures 2016 ,		2
31	Microstructured Waveguides with Polyelectrolyte-Stabilized Gold Nanostars for SERS Sensing of Dissolved Analytes. <i>Materials</i> , 2018 , 11,	3.5	2
30	Immunochemical methods for rapid mycotoxin detection in food and feed 2011 , 135-167		2
29	Luminescence properties of acridine dyes in micellar sodium dodecyl sulfate solutions containing thallium ions. <i>Russian Chemical Bulletin</i> , 2001 , 50, 986-988	1.7	2
28	Phosphorimetric determination of polynuclear aromatic hydrocarbons in gasoline. <i>Journal of Analytical Chemistry</i> , 2000 , 55, 795-798	1.1	2
27	Luminescence Semiconductor Quantum Dots in Chemical Analysis. <i>Journal of Analytical Chemistry</i> , 2021 , 76, 273-283	1.1	2
26	Fluorescent Convertible Capsule Coding Systems for Individual Cell Labeling and Tracking. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19701-19709	9.5	2

25	Red and blue shifts of spectral luminescence band of CuInS ₂ nanothermometers 2016 ,		2
24	"Smart" Polylactic Acid Films with Ceftriaxone Loaded Microchamber Arrays for Personalized Antibiotic Therapy.. <i>Pharmaceutics</i> , 2021 , 14,	6.4	2
23	Modification of the internal surface of photonic crystal fibers with Ag and Au nanoparticles for application as sensor elements 2017 ,		1
22	Luminescence monitoring of particle delivery into rat skin in vivo 2015 ,		1
21	Immune cell engineering: opportunities in lung cancer therapeutics. <i>Drug Delivery and Translational Research</i> , 2020 , 10, 1203-1227	6.2	1
20	Control of Adsorption Horseradish Peroxidase on the Surface of Glass Multicapillary by Using a Polyelectrolyte on Layer-by-Layer Technology. <i>Nanotechnologies in Russia</i> , 2017 , 12, 480-484	0.6	1
19	Formats of Rapid Immunotests Current-Day Formats, Perspectives, Pros and Cons. <i>Comprehensive Analytical Chemistry</i> , 2016 , 72, 33-78	1.9	1
18	Silanized liposomes loaded with luminescent quantum dots as label for mycotoxin detection 2016 ,		1
17	The influence of synthetic conditions on optical properties of cadmium selenide quantum dots. <i>Nanotechnologies in Russia</i> , 2011 , 6, 516-521	0.6	1
16	Phosphorimetric determination of pyrene in gasoline and gasoline-contaminated soil samples. <i>Journal of Analytical Chemistry</i> , 2006 , 61, 809-812	1.1	1
15	Pyrene sensitized phosphorescence enhanced by the heavy atom effect in the water-heptane-sodium dodecyl sulfate-pentanol microemulsion. <i>Russian Chemical Bulletin</i> , 2000 , 49, 1518-1521	1.7	1
14	Controlled release of α-amylase from microchamber arrays containing carbon nanoparticle aggregates. <i>Mendeleev Communications</i> , 2021 , 31, 869-871	1.9	1
13	Heart failure biomarkers BNP and NT-proBNP detection using optical labels. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 146, 116477	14.6	1
12	A photonic dual nano-hybrid assay for detection of cell-free circulating mitochondrial DNA. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 208, 114441	3.5	1
11	Substituted 2-(ortho-hydroxyaryl)cyclopenta[b]pyridines: Synthesis and Fluorescent Properties under Neutral, Acidic Medium and Solid State. <i>ChemistrySelect</i> , 2021 , 6, 11375-11380	1.8	0
10	High-fluorescent product of folic acid photodegradation: Optical properties and cell effect. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 407, 113045	4.7	0
9	Gold based nano-photonic approach for point-of-care detection of circulating long non-coding RNAs. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021 , 36, 102413	6	0
8	Nets of biotin-derived gold nanoparticles as a label for the C-reactive protein immunoassay. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 6867-6875	4.4	0

7	Influence of particle architecture on the photoluminescence properties of silica-coated CdSe core/shell quantum dots.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	o
6	Rapid Tests Progress Through the Years. <i>Comprehensive Analytical Chemistry</i> , 2016 , 5-32	1.9	
5	Labels for Optical Immunotests. <i>Comprehensive Analytical Chemistry</i> , 2016 , 72, 79-131	1.9	
4	Rapid Multiplex Immunotests. <i>Comprehensive Analytical Chemistry</i> , 2016 , 72, 133-161	1.9	
3	Prospective Materials for Rapid Tests: Examples of Multifunctionality and Multiplexity. <i>Comprehensive Analytical Chemistry</i> , 2016 , 72, 163-193	1.9	
2	Bifunctional luminescent-magnetic composite particles synthesis. <i>Materials Letters</i> , 2022 , 314, 131831	3.3	
1	Luminescent alloyed quantum dots for turn-off enzyme-based assay.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	