

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2618345/publications.pdf>

Version: 2024-02-01

408
papers

17,546
citations

15504

65
h-index

24258

110
g-index

417
all docs

417
docs citations

417
times ranked

21879
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Metallothionein in Oxidative Stress. International Journal of Molecular Sciences, 2013, 14, 6044-6066.	4.1	632
2	Methods for carbon nanotubes synthesis—review. Journal of Materials Chemistry, 2011, 21, 15872.	6.7	629
3	Magnetic nanoparticles and targeted drug delivering. Pharmacological Research, 2010, 62, 144-149.	7.1	556
4	Redox status expressed as GSH:GSSG ratio as a marker for oxidative stress in paediatric tumour patients. Oncology Letters, 2012, 4, 1247-1253.	1.8	483
5	Nano-selenium and its nanomedicine applications: a critical review. International Journal of Nanomedicine, 2018, Volume 13, 2107-2128.	6.7	394
6	Deoxynivalenol and its toxicity. Interdisciplinary Toxicology, 2010, 3, 94-9.	1.0	385
7	Uncommon heavy metals, metalloids and their plant toxicity: a review. Environmental Chemistry Letters, 2008, 6, 189-213.	16.2	328
8	Quantum Dots — Characterization, Preparation and Usage in Biological Systems. International Journal of Molecular Sciences, 2009, 10, 656-673.	4.1	267
9	Quantum dots-fluorescence resonance energy transfer-based nanosensors and their application. Biosensors and Bioelectronics, 2015, 74, 562-574.	10.1	216
10	Mammalian metallothioneins: properties and functions. Metallomics, 2012, 4, 739.	2.4	212
11	Noteworthy Secondary Metabolites Naphthoquinones — their Occurrence, Pharmacological Properties and Analysis. Current Pharmaceutical Analysis, 2009, 5, 47-68.	0.6	205
12	Matrix Metalloproteinases. Current Medicinal Chemistry, 2010, 17, 3751-3768.	2.4	194
13	Simultaneous femtomole determination of cysteine, reduced and oxidized glutathione, and phytochelatin in maize (<i>Zea mays</i> L.) kernels using high-performance liquid chromatography with electrochemical detection. Journal of Chromatography A, 2005, 1084, 134-144.	3.7	176
14	A Summary of New Findings on the Biological Effects of Selenium in Selected Animal Species—A Critical Review. International Journal of Molecular Sciences, 2017, 18, 2209.	4.1	152
15	Trace elemental analysis by laser-induced breakdown spectroscopy—Biological applications. Surface Science Reports, 2012, 67, 233-243.	7.2	149
16	Jacks of metal/metalloid chelation trade in plants—An overview. Frontiers in Plant Science, 2015, 6, 192.	3.6	148
17	Contribution of Red Wine Consumption to Human Health Protection. Molecules, 2018, 23, 1684.	3.8	143
18	Metallothioneins and Cancer. Current Protein and Peptide Science, 2009, 10, 360-375.	1.4	138

#	ARTICLE	IF	CITATIONS
19	Determination of Metallothionein at the Femtomole Level by Constant Current Stripping Chronopotentiometry. <i>Analytical Chemistry</i> , 2001, 73, 4801-4807.	6.5	134
20	Mapping of lead, magnesium and copper accumulation in plant tissues by laser-induced breakdown spectroscopy and laser-ablation inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 67-73.	2.9	133
21	Simultaneous determination of water- and fat-soluble vitamins in pharmaceutical preparations by high-performance liquid chromatography coupled with diode array detection. <i>Analytica Chimica Acta</i> , 2004, 520, 57-67.	5.4	126
22	Anthracyclines and ellipticines as DNA-damaging anticancer drugs: Recent advances. , 2012, 133, 26-39.		125
23	Nanoscale copper in the soil-plant system toxicity and underlying potential mechanisms. <i>Environmental Research</i> , 2015, 138, 306-325.	7.5	124
24	Electrochemical enzyme-linked immunoassay in a DNA hybridization sensor. <i>Analytica Chimica Acta</i> , 2002, 469, 73-83.	5.4	123
25	Fully Automated Spectrometric Protocols for Determination of Antioxidant Activity: Advantages and Disadvantages. <i>Molecules</i> , 2010, 15, 8618-8640.	3.8	117
26	Content of Phenolic Compounds and Antioxidant Capacity in Fruits of Apricot Genotypes. <i>Molecules</i> , 2010, 15, 6285-6305.	3.8	116
27	Attomole voltammetric determination of metallothionein. <i>Electrochimica Acta</i> , 2006, 51, 5112-5119.	5.2	115
28	3D printed chip for electrochemical detection of influenza virus labeled with CdS quantum dots. <i>Biosensors and Bioelectronics</i> , 2014, 54, 421-427.	10.1	115
29	Polyphenolic Profile and Biological Activity of Chinese Hawthorn (<i>Crataegus pinnatifida</i> BUNGE) Fruits. <i>Molecules</i> , 2012, 17, 14490-14509.	3.8	114
30	Preparation and Properties of Various Magnetic Nanoparticles. <i>Sensors</i> , 2009, 9, 2352-2362.	3.8	111
31	Application of Avidin-Biotin Technology and Adsorptive Transfer Stripping Square-Wave Voltammetry for Detection of DNA Hybridization and Avidin in Transgenic Avidin Maize. <i>Analytical Chemistry</i> , 2003, 75, 2663-2669.	6.5	109
32	Phenolic Profile of Edible Honeysuckle Berries (Genus <i>Lonicera</i>) and Their Biological Effects. <i>Molecules</i> , 2012, 17, 61-79.	3.8	106
33	DNA hybridization at microbeads with cathodic stripping voltammetric detection. <i>Talanta</i> , 2002, 56, 919-930.	5.5	103
34	Electrochemical study of heavy metals and metallothionein in yeast <i>Yarrowia lipolytica</i> . <i>Bioelectrochemistry</i> , 2003, 60, 29-36.	4.6	101
35	Determination of Vitamin C (Ascorbic Acid) Using High Performance Liquid Chromatography Coupled with Electrochemical Detection. <i>Sensors</i> , 2008, 8, 7097-7112.	3.8	100
36	Sensitive Electrochemical Determination of Unlabeled MutS Protein and Detection of Point Mutations in DNA. <i>Analytical Chemistry</i> , 2004, 76, 5930-5936.	6.5	98

#	ARTICLE	IF	CITATIONS
37	Perspective of Use of Antiviral Peptides against Influenza Virus. <i>Viruses</i> , 2015, 7, 5428-5442.	3.3	98
38	Analytical Methods for Metallothionein Detection. <i>Current Analytical Chemistry</i> , 2011, 7, 243-261.	1.2	95
39	Sarcosine as a Potential Prostate Cancer Biomarker—A Review. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13893-13908.	4.1	93
40	Nanocarriers for Anticancer Drugs - New Trends in Nanomedicine. <i>Current Drug Metabolism</i> , 2013, 14, 547-564.	1.2	93
41	Cyclic voltammetric study of the redox system of glutathione using the disulfide bond reductant tris(2-carboxyethyl)phosphine. <i>Bioelectrochemistry</i> , 2004, 63, 19-24.	4.6	90
42	Vertebrate metallothioneins as target molecules for analytical techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 409-418.	11.4	90
43	Sensitive Electrochemical Detection of Native and Aggregated α -Synuclein Protein Involved in Parkinson's Disease. <i>Electroanalysis</i> , 2004, 16, 1172-1181.	2.9	88
44	MALDI-TOF MS as evolving cancer diagnostic tool: A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 95, 245-255.	2.8	88
45	Clinical significance of head and neck squamous cell cancer biomarkers. <i>Oral Oncology</i> , 2014, 50, 168-177.	1.5	88
46	Metallothionein polymorphisms in pathological processes. <i>Metallomics</i> , 2014, 6, 55-68.	2.4	86
47	Two-Surface Strategy in Electrochemical DNA Hybridization Assays: Detection of Osmium-Labeled Target DNA at Carbon Electrodes. <i>Electroanalysis</i> , 2003, 15, 431-440.	2.9	85
48	The role of glutathione redox imbalance in autism spectrum disorder: A review. <i>Free Radical Biology and Medicine</i> , 2020, 160, 149-162.	2.9	84
49	Simultaneous determination of eight biologically active thiol compounds using gradient elution—liquid chromatography with Coulometric detection. <i>Journal of Separation Science</i> , 2006, 29, 1166-1173.	2.5	83
50	Determination of isoflavones in soybean food and human urine using liquid chromatography with electrochemical detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 806, 101-111.	2.3	82
51	Serum and Tissue Zinc in Epithelial Malignancies: A Meta-Analysis. <i>PLoS ONE</i> , 2014, 9, e99790.	2.5	82
52	Application of Elimination Voltammetry to Adsorptive Stripping of DNA. <i>Electroanalysis</i> , 2000, 12, 905-911.	2.9	81
53	Cisplatin electrochemical biosensor. <i>Electrochimica Acta</i> , 2006, 51, 5169-5173.	5.2	81
54	Voltammetric microanalysis of DNA adducts with osmium tetroxide, 2,2'-bipyridine using a pyrolytic graphite electrode. <i>Talanta</i> , 2002, 56, 867-874.	5.5	79

#	ARTICLE	IF	CITATIONS
55	Metallothioneins and zinc in cancer diagnosis and therapy. <i>Drug Metabolism Reviews</i> , 2012, 44, 287-301.	3.6	77
56	G-Quadruplexes as Sensing Probes. <i>Molecules</i> , 2013, 18, 14760-14779.	3.8	76
57	Ultrasensitive detection of influenza viruses with a glycan-based impedimetric biosensor. <i>Biosensors and Bioelectronics</i> , 2016, 79, 644-649.	10.1	76
58	Study of Metallothionein Modified Electrode Surface Behavior in the Presence of Heavy Metal Ions-Biosensor. <i>Electroanalysis</i> , 2005, 17, 1649-1657.	2.9	75
59	Evaluation of Isoflavone Aglycon and Glycoside Distribution in Soy Plants and Soybeans by Fast Column High-Performance Liquid Chromatography Coupled with a Diode-Array Detector. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 5848-5852.	5.2	73
60	Electroanalysis of Plant Thiols. <i>Sensors</i> , 2007, 7, 932-959.	3.8	72
61	Investigation of heavy-metal accumulation in selected plant samples using laser induced breakdown spectroscopy and laser ablation inductively coupled plasma mass spectrometry. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 93, 917-922.	2.3	71
62	Multi-instrumental Analysis of Tissues of Sunflower Plants Treated with Silver(I) Ions as Bioindicators of Environmental Pollution. <i>Sensors</i> , 2008, 8, 445-463.	3.8	70
63	An Electrochemical Detection of Metallothioneins at the Zeptomole Level in Nanolitre Volumes. <i>Sensors</i> , 2008, 8, 2293-2305.	3.8	70
64	Phytochelatin Modified Electrode Surface as a Sensitive Heavy- Metal Ion Biosensor. <i>Sensors</i> , 2005, 5, 70-84.	3.8	69
65	Electrochemical determination of Ag-ions in environment waters and their action on plant embryos. <i>Bioelectrochemistry</i> , 2007, 70, 508-518.	4.6	69
66	Comparison of the effects of silver phosphate and selenium nanoparticles on <i>Staphylococcus aureus</i> growth reveals potential for selenium particles to prevent infection. <i>FEMS Microbiology Letters</i> , 2014, 351, 195-201.	1.8	69
67	<i>Staphylococcus aureus</i> and MRSA Growth and Biofilm Formation after Treatment with Antibiotics and SeNPs. <i>International Journal of Molecular Sciences</i> , 2015, 16, 24656-24672.	4.1	68
68	Insight to Physiology and Pathology of Zinc(II) Ions and Their Actions in Breast and Prostate Carcinoma. <i>Current Medicinal Chemistry</i> , 2011, 18, 5041-5051.	2.4	67
69	Liquid chromatographic mass spectrometric determination of genistin and daidzin in soybean food samples after accelerated solvent extraction with modified content of extraction cell. <i>Analytica Chimica Acta</i> , 2004, 517, 1-11.	5.4	66
70	Modern Micro and Nanoparticle-Based Imaging Techniques. <i>Sensors</i> , 2012, 12, 14792-14820.	3.8	66
71	Determination of isoflavones in soy bits by fast column high-performance liquid chromatography coupled with UV-visible diode-array detection. <i>Journal of Chromatography A</i> , 2005, 1084, 71-79.	3.7	65
72	Catalytic signal of rabbit liver metallothionein on a mercury electrode: a combination of derivative chronopotentiometry with adsorptive transfer stripping. <i>Bioelectrochemistry</i> , 2002, 56, 57-61.	4.6	64

#	ARTICLE	IF	CITATIONS
73	Ellipticine cytotoxicity to cancer cell lines - a comparative study. <i>Interdisciplinary Toxicology</i> , 2011, 4, 98-105.	1.0	64
74	Multiply osmium-labeled reporter probes for electrochemical DNA hybridization assays: detection of trinucleotide repeats. <i>Biosensors and Bioelectronics</i> , 2004, 20, 985-994.	10.1	63
75	Naphthoquinones as allelochemical triggers of programmed cell death. <i>Environmental and Experimental Botany</i> , 2009, 65, 330-337.	4.2	63
76	Carbon Nanomaterials for Targeted Cancer Therapy Drugs: A Critical Review. <i>Chemical Record</i> , 2019, 19, 502-522.	5.8	63
77	Electrochemical determination of lead and glutathione in a plant cell culture. <i>Bioelectrochemistry</i> , 2004, 63, 347-351.	4.6	62
78	Complexes of Silver(I) Ions and Silver Phosphate Nanoparticles with Hyaluronic Acid and/or Chitosan as Promising Antimicrobial Agents for Vascular Grafts. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13592-13614.	4.1	62
79	Metallothionein as Immunohistochemical Cancer Biomarker: A Meta-Analysis. <i>PLoS ONE</i> , 2014, 9, e85346.	2.5	61
80	From Na ⁺ /K ⁺ -ATPase and Cardiac Glycosides to Cytotoxicity and Cancer Treatment. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013, 13, 1069-1087.	1.7	61
81	The Synergistic Effects of DNA-Targeted Chemotherapeutics and Histone Deacetylase Inhibitors As Therapeutic Strategies for Cancer Treatment. <i>Current Medicinal Chemistry</i> , 2012, 19, 4218-4238.	2.4	60
82	Apo ferritin applications in nanomedicine. <i>Nanomedicine</i> , 2014, 9, 2233-2245.	3.3	60
83	Transport phenomena of nanoparticles in plants and animals/humans. <i>Environmental Research</i> , 2016, 151, 233-243.	7.5	60
84	Electrochemical Sensors for Detection of Acetylsalicylic Acid. <i>Sensors</i> , 2006, 6, 1483-1497.	3.8	59
85	Effect of Five Different Stages of Ripening on Chemical Compounds in Medlar (<i>Mespilus germanica</i> L.). <i>Molecules</i> , 2011, 16, 74-91.	3.8	59
86	Multimodal Holographic Microscopy: Distinction between Apoptosis and Oncosis. <i>PLoS ONE</i> , 2015, 10, e0121674.	2.5	59
87	Electrochemical Microsensors for the Detection of Cadmium(II) and Lead(II) Ions in Plants. <i>Sensors</i> , 2010, 10, 5308-5328.	3.8	58
88	Cisplatin-resistant prostate cancer model: Differences in antioxidant system, apoptosis and cell cycle. <i>International Journal of Oncology</i> , 2014, 44, 923-933.	3.3	58
89	A Suggestion of Electrochemical Biosensor for Study of Platinum(II)-DNA Interactions. <i>Electroanalysis</i> , 2007, 19, 331-338.	2.9	57
90	Relevance of infection with human papillomavirus: The role of the p53 tumor suppressor protein and E6/E7 zinc finger proteins. <i>International Journal of Oncology</i> , 2013, 43, 1754-1762.	3.3	57

#	ARTICLE	IF	CITATIONS
91	Electrochemical sensing of etoposide using carbon quantum dot modified glassy carbon electrode. <i>Analyst</i> , The, 2016, 141, 2665-2675.	3.5	57
92	Determination of apo-Metallothionein Using Adsorptive Transfer Stripping Technique in Connection with Differential Pulse Voltammetry. <i>Electroanalysis</i> , 2007, 19, 339-347.	2.9	56
93	Zeptomole Electrochemical Detection of Metallothioneins. <i>PLoS ONE</i> , 2010, 5, e11441.	2.5	56
94	Sharka: The Past, The Present and The Future. <i>Viruses</i> , 2012, 4, 2853-2901.	3.3	56
95	Apo ferritin Modified Magnetic Particles as Doxorubicin Carriers for Anticancer Drug Delivery. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13391-13402.	4.1	56
96	The mechanism of cytotoxicity and DNA adduct formation by the anticancer drug ellipticine in human neuroblastoma cells. <i>Biochemical Pharmacology</i> , 2009, 77, 1466-1479.	4.4	55
97	Utilizing of Square Wave Voltammetry to Detect Flavonoids in the Presence of Human Urine. <i>Sensors</i> , 2007, 7, 2402-2418.	3.8	54
98	Employment of Electrochemical Techniques for Metallothionein Determination in Tumor Cell Lines and Patients with a Tumor Disease. <i>Electroanalysis</i> , 2008, 20, 1521-1532.	2.9	54
99	An analysis of avidin, biotin and their interaction at attomole levels by voltammetric and chromatographic techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 1167-1178.	3.7	53
100	Algal Biomass Analysis by Laser-Based Analytical Techniques – A Review. <i>Sensors</i> , 2014, 14, 17725-17752.	3.8	53
101	Histone deacetylase inhibitors in cancer therapy. A review. <i>Biomedical Papers of the Medical Faculty of the University Palacký&#x0301;, Olomouc, Czechoslovakia</i> , 2014, 158, 161-169.	0.6	53
102	Fabrication of solid-state nanopores and its perspectives. <i>Electrophoresis</i> , 2015, 36, 2367-2379.	2.4	53
103	Determination of nanogram quantities of osmium-labeled single stranded DNA by differential pulse stripping voltammetry. <i>Bioelectrochemistry</i> , 2002, 55, 119-121.	4.6	52
104	Sunflower Plants as Bioindicators of Environmental Pollution with Lead (II) Ions. <i>Sensors</i> , 2009, 9, 5040-5058.	3.8	52
105	Evaluation of Polyphenolic Profile and Nutritional Value of Non-Traditional Fruit Species in the Czech Republic – A Comparative Study. <i>Molecules</i> , 2012, 17, 8968-8981.	3.8	52
106	Paramagnetic Nanoparticles as a Platform for FRET-Based Sarcosine Picomolar Detection. <i>Scientific Reports</i> , 2015, 5, 8868.	3.3	51
107	Simultaneous Automatic Electrochemical Detection of Zinc, Cadmium, Copper and Lead Ions in Environmental Samples Using a Thin-Film Mercury Electrode and an Artificial Neural Network. <i>Sensors</i> , 2015, 15, 592-610.	3.8	51
108	The effect of metal ions on <i>Staphylococcus aureus</i> revealed by biochemical and mass spectrometric analyses. <i>Microbiological Research</i> , 2015, 170, 147-156.	5.3	51

#	ARTICLE	IF	CITATIONS
109	3D-printed chip for detection of methicillin-resistant <i>Staphylococcus aureus</i> labeled with gold nanoparticles. <i>Electrophoresis</i> , 2015, 36, 457-466.	2.4	51
110	Multi-instrumental Investigation of Affecting of Early Somatic Embryos of Spruce by Cadmium(II) and Lead(II) Ions. <i>Sensors</i> , 2007, 7, 743-759.	3.8	50
111	Sub-picomole high-performance liquid chromatographic/mass spectrometric determination of glutathione in the maize (<i>Zea mays</i> L.) kernels exposed to cadmium. <i>Analytica Chimica Acta</i> , 2004, 520, 117-124.	5.4	49
112	Cadmium-induced production of phytochelatins and speciation of intracellular cadmium in organs of <i>Linum usitatissimum</i> seedlings. <i>Industrial Crops and Products</i> , 2012, 36, 536-542.	5.2	49
113	Spectrometric and Voltammetric Analysis of Urease – Nickel Nanoelectrode as an Electrochemical Sensor. <i>Sensors</i> , 2007, 7, 1238-1255.	3.8	48
114	The relationship between DNA adduct formation by benzo[a]pyrene and expression of its activation enzyme cytochrome P450 1A1 in rat. <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 989-996.	4.0	46
115	Phytochelatin synthase activity as a marker of metal pollution. <i>Journal of Hazardous Materials</i> , 2011, 192, 794-800.	12.4	45
116	Classification of genomic signals using dynamic time warping. <i>BMC Bioinformatics</i> , 2013, 14, S1.	2.6	45
117	Effect of Ampicillin, Streptomycin, Penicillin and Tetracycline on Metal Resistant and Non-Resistant <i>Staphylococcus aureus</i> . <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 3233-3255.	2.6	45
118	Bio-Sensing of Cadmium(II) Ions Using <i>Staphylococcus aureus</i> . <i>Sensors</i> , 2011, 11, 10638-10663.	3.8	44
119	Microarray analysis of metallothioneins in human diseases – A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 464-473.	2.8	43
120	Use of Liquid Chromatography with Electrochemical Detection for the Determination of Antioxidants in Less Common Fruits. <i>Molecules</i> , 2008, 13, 2823-2836.	3.8	42
121	Determination of Plant Thiols by Liquid Chromatography Coupled with Coulometric and Amperometric Detection in Lettuce Treated by Lead(II) Ions. <i>Electroanalysis</i> , 2010, 22, 1248-1259.	2.9	42
122	Utilization of laser-assisted analytical methods for monitoring of lead and nutrition elements distribution in fresh and dried <i>Capsicum annum</i> l. leaves. <i>Microscopy Research and Technique</i> , 2011, 74, 845-852.	2.2	42
123	Easy to use and rapid isolation and detection of a viral nucleic acid by using paramagnetic microparticles and carbon nanotubes-based screen-printed electrodes. <i>Microfluidics and Nanofluidics</i> , 2010, 8, 329-339.	2.2	41
124	Heavy metals and metallothionein in vespertilionid bats foraging over aquatic habitats in the Czech Republic. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 501-506.	4.3	41
125	Label-free voltammetric detection of single-nucleotide mismatches recognized by the protein MutS. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 259-270.	3.7	40
126	Determination of content of metallothionein and low molecular mass stress peptides in transgenic tobacco plants. <i>Plant Cell, Tissue and Organ Culture</i> , 2008, 94, 291-298.	2.3	40

#	ARTICLE	IF	CITATIONS
127	Lactoferrin Isolation Using Monolithic Column Coupled with Spectrometric or Micro-Amperometric Detector. <i>Sensors</i> , 2008, 8, 464-487.	3.8	40
128	Using of chicken antibodies for metallothionein detection in human blood serum and cadmium-treated tumour cell lines after dot and electroblotting. <i>Electrophoresis</i> , 2009, 30, 3726-3735.	2.4	40
129	New Hydrodynamic Electrochemical Arrangement for Cadmium Ions Detection Using Thick-Film Chemical Sensor Electrodes. <i>Sensors</i> , 2006, 6, 1498-1512.	3.8	39
130	Utilizing of Adsorptive Transfer Stripping Technique Brdicka Reaction for Determination of Metallothioneins Level in Melanoma Cells, Blood Serum and Tissues. <i>Sensors</i> , 2008, 8, 3106-3122.	3.8	39
131	Comparison of Metallothionein Detection by Using Brdicka Reaction and Enzyme-Linked Immunosorbent Assay Employing Chicken Yolk Antibodies. <i>Electroanalysis</i> , 2009, 21, 2575-2583.	2.9	39
132	Electrophoretic fingerprint metallothionein analysis as a potential prostate cancer biomarker. <i>Electrophoresis</i> , 2011, 32, 1952-1961.	2.4	39
133	Haloperidol Cytotoxicity and Its Relation to Oxidative Stress. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013, 13, 1993-1998.	2.4	39
134	Elimination Voltammetry with Linear Scan as a New Detection Method for DNA Sensors. <i>Sensors</i> , 2005, 5, 448-464.	3.8	38
135	Automated nucleic acids isolation using paramagnetic microparticles coupled with electrochemical detection. <i>Talanta</i> , 2009, 79, 402-411.	5.5	38
136	Mathematical Evaluation of the Amino Acid and Polyphenol Content and Antioxidant Activities of Fruits from Different Apricot Cultivars. <i>Molecules</i> , 2011, 16, 7428-7457.	3.8	38
137	Immobilization of metallothionein to carbon paste electrode surface via anti-MT antibodies and its use for biosensing of silver. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2201-2207.	10.1	38
138	The Composites of Graphene Oxide with Metal or Semimetal Nanoparticles and Their Effect on Pathogenic Microorganisms. <i>Materials</i> , 2015, 8, 2994-3011.	2.9	38
139	Biological Activity and Molecular Structures of Bis(benzimidazole) and Trithiocyanurate Complexes. <i>Molecules</i> , 2015, 20, 10360-10376.	3.8	38
140	Affecting of aquatic vascular plant <i>Lemna minor</i> by cisplatin revealed by voltammetry. <i>Bioelectrochemistry</i> , 2008, 72, 59-65.	4.6	37
141	Electrochemical Determination of the Antioxidant Potential of Some Less Common Fruit Species. <i>Sensors</i> , 2008, 8, 7564-7570.	3.8	37
142	Study of metallothionein oxidation by using of chip CE. <i>Electrophoresis</i> , 2009, 30, 4029-4033.	2.4	37
143	Change of the Protein p53 Electrochemical Signal According to its Structural Form – Quick and Sensitive Distinguishing of Native, Denatured, and Aggregated Form of the “Guardian of the Genome” Protein <i>Journal</i> , 2006, 25, 23-32.	1.6	36
144	Electrochemical study of S-nitrosoglutathione and nitric oxide by carbon fibre NO sensor and cyclic voltammetry – possible way of monitoring of nitric oxide. <i>Electrochimica Acta</i> , 2006, 51, 5087-5094.	5.2	36

#	ARTICLE	IF	CITATIONS
145	Caveolin-1 as a potential high-risk prostate cancer biomarker. <i>Oncology Reports</i> , 2012, 27, 831-41.	2.6	36
146	Analysis of metallothionein by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2012, 1226, 31-42.	3.7	36
147	Square wave and elimination voltammetric analysis of azidothymidine in the presence of oligonucleotides and chromosomal DNA. <i>Bioelectrochemistry</i> , 2004, 63, 31-36.	4.6	35
148	Determination of common urine substances as an assay for improving prostate carcinoma diagnostics. <i>Oncology Reports</i> , 2014, 31, 1846-1854.	2.6	35
149	Palladium Biosensor. <i>Electroanalysis</i> , 2007, 19, 1909-1914.	2.9	34
150	Cytochrome <i>b₅</i> Increases Cytochrome P450 3A4-Mediated Activation of Anticancer Drug Ellipticine to 13-Hydroxyellipticine Whose Covalent Binding to DNA Is Elevated by Sulfotransferases and <i>N</i> , <i>O</i> -Acetyltransferases. <i>Chemical Research in Toxicology</i> , 2012, 25, 1075-1085.	3.3	34
151	Sulfur mustard causes oxidative stress and depletion of antioxidants in muscles, livers, and kidneys of Wistar rats. <i>Drug and Chemical Toxicology</i> , 2013, 36, 270-276.	2.3	34
152	Improved Electrochemical Detection of Zinc Ions Using Electrode Modified with Electrochemically Reduced Graphene Oxide. <i>Materials</i> , 2016, 9, 31.	2.9	34
153	Electrochemical Determination of Low Molecular Mass Thiols Content in Potatoes (<i>Solanum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 (Phytophthora infestans). <i>Sensors</i> , 2008, 8, 3165-3182.	3.8	33
154	Effects of Various Doses of Selenite on Stinging Nettle (<i>Urtica dioica</i> L.). <i>International Journal of Environmental Research and Public Health</i> , 2010, 7, 3804-3815.	2.6	33
155	Paramagnetic particles coupled with an automated flow injection analysis as a tool for influenza viral protein detection. <i>Electrophoresis</i> , 2012, 33, 3195-3204.	2.4	33
156	Escape of Tick-Borne Flavivirus from 2- <i>C</i> -Methylated Nucleoside Antivirals Is Mediated by a Single Conservative Mutation in NS5 That Has a Dramatic Effect on Viral Fitness. <i>Journal of Virology</i> , 2017, 91, .	3.4	33
157	Using of liquid chromatography coupled with diode array detector for determination of naphthoquinones in plants and for investigation of influence of pH of cultivation medium on content of plumbagin in <i>Dionaea muscipula</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 842, 28-35.	2.3	32
158	Zeptomole Detection of Streptavidin Using Carbon Paste Electrode and Square-Wave Voltammetry. <i>Electroanalysis</i> , 2007, 19, 1177-1182.	2.9	32
159	Fullerene as a transporter for doxorubicin investigated by analytical methods and in vivo imaging. <i>Electrophoresis</i> , 2014, 35, 1040-1049.	2.4	32
160	Assays for determination of matrix metalloproteinases and their activity. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1819-1832.	11.4	31
161	Study of Interaction between Metallothionein and CdTe Quantum Dots. <i>Chromatographia</i> , 2013, 76, 345-353.	1.3	31
162	Lead toxicosis of captive vultures: case description and responses to chelation therapy. <i>BMC Veterinary Research</i> , 2013, 9, 11.	1.9	31

#	ARTICLE	IF	CITATIONS
163	Antiviral activity of fullerene C60 nanocrystals modified with derivatives of anionic antimicrobial peptide maximin H5. Monatshefte für Chemie, 2016, 147, 905-918.	1.8	31
164	Serum metallothionein in newly diagnosed patients with childhood solid tumours.. Acta Biochimica Polonica, 2010, 57, .	0.5	31
165	Square-wave voltammetric determination of cefoperazone in a bacterial culture, pharmaceutical drug, milk, and urine. Analytical and Bioanalytical Chemistry, 2003, 377, 362-369.	3.7	30
166	Amperometric Sensor for Detection of Chloride Ions. Sensors, 2008, 8, 5619-5636.	3.8	30
167	An Acetylcholinesterase-Based Chronoamperometric Biosensor for Fast and Reliable Assay of Nerve Agents. Sensors, 2013, 13, 11498-11506.	3.8	30
168	Synthesis of carbon quantum dots for DNA labeling and its electrochemical, fluorescent and electrophoretic characterization. Chemical Papers, 2015, 69, .	2.2	30
169	Determination of Azidothymidine“ an Antiproliferative and Virostatic Drug by Square-Wave Voltammetry. Electroanalysis, 2004, 16, 224-230.	2.9	29
170	Application of computer imaging, stripping voltammetry and mass spectrometry to study the effect of lead (Pb-EDTA) on the growth and viability of early somatic embryos of Norway spruce (Picea abies /L.)	0.7	29
171	Flow Injection Analysis Coupled with Carbon Electrodes as the Tool for Analysis of Naphthoquinones with Respect to Their Content and Functions in Biological Samples. Sensors, 2006, 6, 1466-1482.	3.8	29
172	A Fluorimetric Sensor for Detection of One Living Cell. Sensors, 2007, 7, 222-238.	3.8	29
173	A Novel Insight into the Cardiotoxicity of Antineoplastic Drug Doxorubicin. International Journal of Molecular Sciences, 2013, 14, 21629-21646.	4.1	29
174	Electrochemical and spectrometric study of antioxidant activity of pomiferin, isopomiferin, osajin and catalposide. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 127-133.	2.8	28
175	A Determination of Metallothionein in Larvae of Freshwater Midges (Chironomus riparius) Using Brdicka Reaction. Sensors, 2008, 8, 4081-4094.	3.8	28
176	Effects of redox conditions and zinc(II) ions on metallothionein aggregation revealed by chip capillary electrophoresis. Journal of Chromatography A, 2010, 1217, 7966-7971.	3.7	28
177	Effect of Magnetic Nanoparticles on Tobacco BY-2 Cell Suspension Culture. International Journal of Environmental Research and Public Health, 2013, 10, 47-71.	2.6	28
178	Interaction of Heavy Metal Ions with Carbon and Iron Based Particles. Materials, 2014, 7, 2242-2256.	2.9	28
179	An Assessment of the Effect of Green Synthesized Silver Nanoparticles Using Sage Leaves (Salvia)	1.0784314	28
180	Silver(I) Ions Ultrasensitive Detection at Carbon Electrodes“Analysis of Waters, Tobacco Cells and Fish Tissues. Sensors, 2009, 9, 6934-6950.	3.8	27

#	ARTICLE	IF	CITATIONS
181	Uncommon Heavy Metals, Metalloids and Their Plant Toxicity: A Review. Sustainable Agriculture Reviews, 2009, , 275-317.	1.1	27
182	Application of CdTe/ZnSe Quantum Dots in <i>In Vitro</i> Imaging of Chicken Tissue and Embryo. Photochemistry and Photobiology, 2015, 91, 417-423.	2.5	27
183	Elimination voltammetry of nucleic acids on silver electrodes. Bioelectrochemistry, 2002, 55, 131-133.	4.6	26
184	Differential pulse adsorptive stripping voltammetry of osmium-modified peptides. Bioelectrochemistry, 2002, 56, 63-66.	4.6	26
185	Study of Interactions between Metallothionein and Cisplatin by using Differential Pulse Voltammetry Brdicka's reaction and Quartz Crystal Microbalance. Sensors, 2009, 9, 1355-1369.	3.8	26
186	Square-Wave Voltammetry as a Tool for Investigation of Doxorubicin Interactions with DNA Isolated from Neuroblastoma Cells. Electroanalysis, 2009, 21, 487-494.	2.9	26
187	Microfluidic tool based on the antibody-modified paramagnetic particles for detection of 8-hydroxy-2'-deoxyguanosine in urine of prostate cancer patients. Electrophoresis, 2011, 32, 3207-3220.	2.4	26
188	Fullerene as a doxorubicin nanotransporter for targeted breast cancer therapy: Capillary electrophoresis analysis. Electrophoresis, 2018, 39, 2370-2379.	2.4	26
189	Effect of Cadmium Chloride on Metallothionein Levels in Carp. Sensors, 2009, 9, 4789-4803.	3.8	25
190	Monitoring of the prostate tumour cells redox state and real-time proliferation by novel biophysical techniques and fluorescent staining. Integrative Biology (United Kingdom), 2012, 4, 672-684.	1.3	25
191	Microfluidic chip coupled with modified paramagnetic particles for sarcosine isolation in urine. Electrophoresis, 2013, 34, 2639-2647.	2.4	25
192	Voltammetry as a Tool for Characterization of CdTe Quantum Dots. International Journal of Molecular Sciences, 2013, 14, 13497-13510.	4.1	25
193	3D-printed biosensor with poly(dimethylsiloxane) reservoir for magnetic separation and quantum dots-based immunolabeling of metallothionein. Electrophoresis, 2015, 36, 1256-1264.	2.4	25
194	Effects of Reduced Glutathione, Surface Active Agents, and Ionic Strength on the Detection of Metallothioneins by Using of Brdicka Reaction. Electroanalysis, 2009, 21, 640-644.	2.9	24
195	Biotin-modified glutathione as a functionalized coating for bioconjugation of CdTe-based quantum dots. Electrophoresis, 2011, 32, 1619-1622.	2.4	24
196	Comparison of Various Easy-to-Use Procedures for Extraction of Phenols from Apricot Fruits. Molecules, 2011, 16, 2914-2936.	3.8	24
197	Oxidative Stress Resistance in Metastatic Prostate Cancer: Renewal by Self-Eating. PLoS ONE, 2015, 10, e0145016.	2.5	24
198	Copper Concentrations in Breast Cancer: A Systematic Review and Meta-Analysis. Current Medicinal Chemistry, 2020, 27, 6373-6383.	2.4	24

#	ARTICLE	IF	CITATIONS
199	Shapes of Differential Pulse Voltammograms and Level of Metallothionein at Different Animal Species. <i>Sensors</i> , 2007, 7, 2419-2429.	3.8	23
200	Protein-based electrochemical biosensor for detection of silver(I) ions. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 492-496.	4.3	23
201	From Amino Acids to Proteins as Targets for Metal-based Drugs. <i>Current Drug Metabolism</i> , 2012, 13, 306-320.	1.2	23
202	Effect of fluoranthene on plant cell model: Tobacco BY-2 suspension culture. <i>Environmental and Experimental Botany</i> , 2012, 78, 117-126.	4.2	23
203	Modulation of Induced Cytotoxicity of Doxorubicin by Using Apoferritin and Liposomal Cages. <i>International Journal of Molecular Sciences</i> , 2014, 15, 22960-22977.	4.1	23
204	Remote-controlled robotic platform ORPHEUS as a new tool for detection of bacteria in the environment. <i>Electrophoresis</i> , 2014, 35, 2333-2345.	2.4	23
205	Prostate tumor attenuation in the nu/nu murine model due to anti-sarcosine antibodies in folate-targeted liposomes. <i>Scientific Reports</i> , 2016, 6, 33379.	3.3	23
206	Nuclear transport of nicotinamide phosphoribosyltransferase is cell cycle-dependent in mammalian cells, and its inhibition slows cell growth. <i>Journal of Biological Chemistry</i> , 2019, 294, 8676-8689.	3.4	23
207	Esterases as a marker for growth of BY-2 tobacco cells and early somatic embryos of the Norway spruce. <i>Plant Cell, Tissue and Organ Culture</i> , 2004, 79, 195-201.	2.3	22
208	An Investigation of Glutathione-Platinum(II) Interactions by Means of the Flow Injection Analysis Using Glassy Carbon Electrode. <i>Sensors</i> , 2007, 7, 1256-1270.	3.8	22
209	Structural changes in metallothionein isoforms revealed by capillary electrophoresis and Brdicka reaction. <i>Electrophoresis</i> , 2012, 33, 270-279.	2.4	22
210	Electrophoretic study of peptide-mediated quantum dot-human immunoglobulin bioconjugation. <i>Electrophoresis</i> , 2013, 34, 2725-2732.	2.4	22
211	Investigation of interaction between magnetic silica particles and lambda phage DNA fragment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 86, 65-72.	2.8	22
212	Nanotechnologies in protein microarrays. <i>Nanomedicine</i> , 2015, 10, 2743-2755.	3.3	22
213	Complexes of glutathione with heavy metal ions as a new biochemical marker of aquatic environment pollution. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 497-500.	4.3	21
214	Tissue Specific Electrochemical Fingerprinting. <i>PLoS ONE</i> , 2012, 7, e49654.	2.5	21
215	The effects on soil/water/plant/animal systems by platinum group elements. <i>Open Chemistry</i> , 2012, 10, 1369-1382.	1.9	21
216	Capillary electrophoresis of quantum dots: Minireview. <i>Electrophoresis</i> , 2014, 35, 1929-1937.	2.4	21

#	ARTICLE	IF	CITATIONS
217	Interactions between CdTe quantum dots and DNA revealed by capillary electrophoresis with laser-induced fluorescence detection. <i>Electrophoresis</i> , 2014, 35, 2587-2592.	2.4	21
218	An electrochemical DNA-based biosensor to study the effects of CdTe quantum dots on UV-induced damage of DNA. <i>Mikrochimica Acta</i> , 2015, 182, 1715-1722.	5.0	21
219	Structural effects and nanoparticle size are essential for quantum dots-metallothionein complex formation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 262-272.	5.0	21
220	Electrochemical determination of adenine using a glassy carbon electrode modified with graphene oxide and polyaniline. <i>Mikrochimica Acta</i> , 2016, 183, 1299-1306.	5.0	21
221	A Rapid Method for the Detection of Sarcosine Using SPIONs/Au/CS/SOX/NPs for Prostate Cancer Sensing. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3722.	4.1	21
222	Development of New Silver Nanoparticles Suitable for Materials with Antimicrobial Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2762-2769.	0.9	21
223	An Adsorptive Transfer Technique Coupled with Brdicka Reaction to Reveal the Importance of Metallothionein in Chemotherapy with Platinum Based Cytostatics. <i>International Journal of Molecular Sciences</i> , 2010, 11, 4826-4842.	4.1	20
224	Isolation of metallothionein from cells derived from aggressive form of high-grade prostate carcinoma using paramagnetic antibody-modified microbeads offline coupled with electrochemical and electrophoretic analysis. <i>Electrophoresis</i> , 2011, 32, 3576-3588.	2.4	20
225	Automated assay of the potency of natural antioxidants using pipetting robot and spectrophotometry. <i>Journal of Applied Biomedicine</i> , 2012, 10, 155-167.	1.7	20
226	Determination of glutathione-S-transferase traces in preparations of p53 C-terminal domain (aa320-393). <i>Bioelectrochemistry</i> , 2002, 55, 115-118.	4.6	19
227	Electrophoretic and chromatographic evaluation of transgenic barley expressing a bacterial dihydrodipicolinate synthase. <i>Electrophoresis</i> , 2012, 33, 2365-2373.	2.4	19
228	Determination of oxidative stress and activities of antioxidant enzymes in guinea pigs treated with haloperidol. <i>Experimental and Therapeutic Medicine</i> , 2013, 5, 479-484.	1.8	19
229	Application of nanotechnology based-biosensors in analysis of wine compounds and control of wine quality and safety: A critical review. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 3271-3289.	10.3	19
230	Miniaturized electrochemical detector as a tool for detection of DNA amplified by PCR. <i>Electrophoresis</i> , 2008, 29, 4964-4971.	2.4	18
231	Influence of Cadmium(II) Ions and Brewery Sludge on Metallothionein Level in Earthworms (<i>Eisenia</i>) Tj ETQq1 1 0.784314 rgBT/Overlo	3.8	18
232	Chip gel electrophoresis as a tool for study of matrix metalloproteinase 9 interaction with metallothionein. <i>Electrophoresis</i> , 2011, 32, 857-860.	2.4	18
233	Nanotechnologies for society. New designs and applications of nanosensors and nanobiosensors in medicine and environmental analysis. <i>International Journal of Nanotechnology</i> , 2012, 9, 746.	0.2	18
234	Immunoextraction of zinc proteins from human plasma using chicken yolk antibodies immobilized onto paramagnetic particles and their electrophoretic analysis. <i>Electrophoresis</i> , 2012, 33, 1824-1832.	2.4	18

#	ARTICLE	IF	CITATIONS
235	An Effect of Cadmium and Lead Ions on Escherichia coli with the Cloned Gene for Metallothionein (MT-3) Revealed by Electrochemistry. <i>Electrochimica Acta</i> , 2014, 140, 11-19.	5.2	18
236	Hypoxia-mediated histone acetylation and expression of N-myc transcription factor dictate aggressiveness of neuroblastoma cells. <i>Oncology Reports</i> , 2014, 31, 1928-1934.	2.6	18
237	Metallothioneins in Prion- and Amyloid-Related Diseases. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 637-656.	2.6	18
238	Resolution of Overlapped Reduction Signals in Short Hetero-oligonucleotides by Elimination Voltammetry. <i>Electroanalysis</i> , 2007, 19, 348-355.	2.9	17
239	Chronopotentiometric Stripping Analysis of Gelatinase B, Collagen and Their Interaction. <i>Electroanalysis</i> , 2009, 21, 536-541.	2.9	17
240	Changes in Metallothionein Level in Rat Hepatic Tissue after Administration of Natural Mouldy Wheat. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1138-1160.	4.1	17
241	Study of Streptavidin-Modified Quantum Dots by Capillary Electrophoresis. <i>Chromatographia</i> , 2013, 76, 335-343.	1.3	17
242	Development of a Magnetic Electrochemical Bar Code Array for Point Mutation Detection in the H5N1 Neuraminidase Gene. <i>Viruses</i> , 2013, 5, 1719-1739.	3.3	17
243	Beads-Based Electrochemical Assay for the Detection of Influenza Hemagglutinin Labeled with CdTe Quantum Dots. <i>Molecules</i> , 2013, 18, 15573-15586.	3.8	17
244	How Do Grass Species, Season and Ensiling Influence Mycotoxin Content in Forage?. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 6084-6095.	2.6	17
245	DNA interaction with zinc(II) ions. <i>International Journal of Biological Macromolecules</i> , 2014, 64, 281-287.	7.5	17
246	Metallothionein modulation in relation to cadmium bioaccumulation and age-dependent sensitivity of <i>Chironomus riparius</i> larvae. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10504-10513.	5.3	17
247	Metallothionein as a Scavenger of Free Radicals - New Cardioprotective Therapeutic Agent or Initiator of Tumor Chemoresistance?. <i>Current Drug Targets</i> , 2016, 17, 1438-1451.	2.1	17
248	Silver Electrode as a Sensor for Determination of Zinc in Cell Cultivation Medium. <i>Analytical Biochemistry</i> , 2002, 301, 8-13.	2.4	16
249	Electrochemical Investigation of Strontiumâ€™Metallothionein Interactions â€™ Analysis of Serum and Urine of Patients with Osteoporosis. <i>Electroanalysis</i> , 2009, 21, 650-656.	2.9	16
250	Integrated chip electrophoresis and magnetic particle isolation used for detection of hepatitis B virus oligonucleotides. <i>Electrophoresis</i> , 2013, 34, 1548-1554.	2.4	16
251	Biosynthesis of Quantum Dots (CdTe) and its Effect on <i>Eisenia fetida</i> and <i>Escherichia coli</i> . <i>Chromatographia</i> , 2014, 77, 1441-1449.	1.3	16
252	Study of metallothioneinâ€™quantum dots interactions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 534-537.	5.0	16

#	ARTICLE	IF	CITATIONS
253	Prognostic significance of the tumour-adjacent tissue in head and neck cancers. <i>Tumor Biology</i> , 2015, 36, 9929-9939.	1.8	16
254	A 3D Microfluidic Chip for Electrochemical Detection of Hydrolysed Nucleic Bases by a Modified Glassy Carbon Electrode. <i>Sensors</i> , 2015, 15, 2438-2452.	3.8	16
255	Relation of exposure to amino acids involved in sarcosine metabolic pathway on behavior of non-tumor and malignant prostatic cell lines. <i>Prostate</i> , 2016, 76, 679-690.	2.3	16
256	Blood metallothionein, neuron specific enolase, and protein S100B in patients with traumatic brain injury. <i>Neuroendocrinology Letters</i> , 2006, 27 Suppl 2, 116-20.	0.2	16
257	Chip-Based CE for Avidin Determination in Transgenic Tobacco and Its Comparison with Square-Wave Voltammetry and Standard Gel Electrophoresis. <i>Chromatographia</i> , 2008, 67, 75-81.	1.3	15
258	Bio-Assessing of Environmental Pollution via Monitoring of Metallothionein Level Using Electrochemical Detection. <i>IEEE Sensors Journal</i> , 2008, 8, 1578-1585.	4.7	15
259	Phytohormones as Important Biologically Active Molecules – Their Simple Simultaneous Detection. <i>Molecules</i> , 2009, 14, 1825-1839.	3.8	15
260	Study of DNA–ellipticine interaction by capillary electrophoresis with laser-induced fluorescence detection. <i>Electrophoresis</i> , 2012, 33, 1545-1549.	2.4	15
261	Self-ordered TiO ₂ quantum dot array prepared via anodic oxidation. <i>Nanoscale Research Letters</i> , 2012, 7, 123.	5.7	15
262	Spectrometric and Chromatographic Study of Reactive Oxidants Hypochlorous and Hypobromous Acids and Their Interactions with Taurine. <i>Chromatographia</i> , 2013, 76, 363-373.	1.3	15
263	Behaviour of Zinc Complexes and Zinc Sulphide Nanoparticles Revealed by Using Screen Printed Electrodes and Spectrometry. <i>Sensors</i> , 2013, 13, 14417-14437.	3.8	15
264	Effects of Stratospheric Conditions on the Viability, Metabolism and Proteome of Prokaryotic Cells. <i>Atmosphere</i> , 2015, 6, 1290-1306.	2.3	15
265	17 β -estradiol-containing liposomes as a novel delivery system for the antisense therapy of ER-positive breast cancer: An in vitro study on the MCF-7 cell line. <i>Oncology Reports</i> , 2015, 33, 921-929.	2.6	15
266	Zinc-Modified Nanotransporter of Doxorubicin for Targeted Prostate Cancer Delivery. <i>Nanomaterials</i> , 2017, 7, 435.	4.1	15
267	Metal Containing Cytostatics and Their Interaction with Cellular Thiol Compounds Causing Chemoresistance. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2016, 16, 686-698.	1.7	15
268	Voltammetric Study of Adenine Complex with Copper on Mercury Electrode. <i>Electroanalysis</i> , 2009, 21, 439-444.	2.9	14
269	Dependence of adenine isolation efficiency on the chain length evidenced using paramagnetic particles and voltammetry measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1474-1477.	2.3	14
270	Carbon composite micro- and nano-tubes-based electrodes for detection of nucleic acids. <i>Nanoscale Research Letters</i> , 2011, 6, 385.	5.7	14

#	ARTICLE	IF	CITATIONS
271	Microfluidic robotic device coupled with electrochemical sensor field for handling of paramagnetic micro-particles as a tool for determination of plant mRNA. <i>Mikrochimica Acta</i> , 2011, 173, 189-197.	5.0	14
272	Effect of zinc(II) ions on the expression of pro- and anti-apoptotic factors in high-grade prostate carcinoma cells. <i>Oncology Reports</i> , 2012, 28, 806-814.	2.6	14
273	Identification of quantum dots labeled metallothionein by fast scanning laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 101, 220-225.	2.9	14
274	Vacuolar-ATPase-mediated intracellular sequestration of ellipticine contributes to drug resistance in neuroblastoma cells. <i>International Journal of Oncology</i> , 2015, 47, 971-980.	3.3	14
275	Metal Transporters in Plants. , 2013, , 19-41.		13
276	Evaluation of EGFR as a prognostic and diagnostic marker for head and neck squamous cell carcinoma patients. <i>Oncology Letters</i> , 2016, 12, 2127-2132.	1.8	13
277	Determination of bromadiolone in pheasants and foxes by differential pulse voltammetry. <i>International Journal of Environmental Analytical Chemistry</i> , 2007, 87, 459-469.	3.3	12
278	Preconcentration based on paramagnetic microparticles for the separation of sarcosine using hydrophilic interaction liquid chromatography coupled with coulometric detection. <i>Journal of Separation Science</i> , 2014, 37, 465-575.	2.5	12
279	Complexes of Metal-Based Nanoparticles with Chitosan Suppressing the Risk of <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> Infections. , 2015, , 217-232.		12
280	Molecular response of 4T1-induced mouse mammary tumours and healthy tissues to zinc treatment. <i>International Journal of Oncology</i> , 2015, 46, 1810-1818.	3.3	12
281	Fluorescence Characterization of Gold Modified Liposomes with Antisense N-myc DNA Bound to the Magnetisable Particles with Encapsulated Anticancer Drugs (Doxorubicin, Ellipticine and Etoposide). <i>Sensors</i> , 2016, 16, 290.	3.8	12
282	Metallothionein and Superoxide Dismutase Antioxidative Protein Status in Fullerene-Doxorubicin Delivery to MCF-7 Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3253.	4.1	12
283	Serum metallothionein in newly diagnosed patients with childhood solid tumours. <i>Acta Biochimica Polonica</i> , 2010, 57, 561-6.	0.5	12
284	Hazards of Secondary Bromadiolone Intoxications Evaluated using High-performance Liquid Chromatography with Electrochemical Detection. <i>Sensors</i> , 2007, 7, 1271-1286.	3.8	11
285	Asoxime (HI-6) impact on dogs after one and tenfold therapeutic doses: Assessment of adverse effects, distribution, and oxidative stress. <i>Environmental Toxicology and Pharmacology</i> , 2011, 32, 75-81.	4.0	11
286	Paramagnetic Particles Isolation of Influenza Oligonucleotide Labelled with CdS QDs. <i>Chromatographia</i> , 2013, 76, 355-362.	1.3	11
287	Doxorubicin Encapsulation Investigated by Capillary Electrophoresis with Laser-Induced Fluorescence Detection. <i>Chromatographia</i> , 2014, 77, 1469-1476.	1.3	11
288	KRAS NF- κ B is involved in the development of zinc resistance and reduced curability in prostate cancer. <i>Metallomics</i> , 2014, 6, 1240.	2.4	11

#	ARTICLE	IF	CITATIONS
289	Influence of microbiome species in hard-to-heal wounds on disease severity and treatment duration. <i>Brazilian Journal of Infectious Diseases</i> , 2015, 19, 604-613.	0.6	11
290	The influence of feeding purple wheat with higher content of anthocyanins on antioxidant status and selected enzyme activity of animals. <i>Acta Veterinaria Brno</i> , 2016, 85, 371-376.	0.5	11
291	Effect of Biosynthesized Silver Nanoparticles on Bacterial Biofilm Changes in <i>S. aureus</i> and <i>E. coli</i> . <i>Nanomaterials</i> , 2022, 12, 2183.	4.1	11
292	Tularemia progression accompanied with oxidative stress and antioxidant alteration in spleen and liver of BALB/c mice. <i>Journal of Microbiology</i> , 2012, 50, 401-408.	2.8	10
293	Quantum dots and prion proteins. <i>Prion</i> , 2013, 7, 349-358.	1.8	10
294	Use of brightness wavelet transformation for automated analysis of serum metallothioneins and zinc-containing proteins by Western blots to subclassify childhood solid tumours. <i>Electrophoresis</i> , 2013, 34, 1637-1648.	2.4	10
295	Microfluidic tool coupled with electrochemical assay for detection of lactoferrin isolated by antibody-modified paramagnetic beads. <i>Electrophoresis</i> , 2013, 34, 2120-2128.	2.4	10
296	Antioxidant properties of saskatoon berry (<i>Amelanchier alnifolia</i> Nutt.) fruits. <i>Fruits</i> , 2013, 68, 435-444.	0.4	10
297	Investigating the influence of taurine on thiol antioxidant status in Wistar rats with a multi-analytical approach. <i>Journal of Applied Biomedicine</i> , 2014, 12, 97-110.	1.7	10
298	Fe_2O_3 Nanoparticles Covered with Glutathione-Modified Quantum Dots as a Fluorescent Nanotransporter. <i>Chromatographia</i> , 2014, 77, 1415-1423.	1.3	10
299	SDS-PAGE as a Tool for Hydrodynamic Diameter-Dependent Separation of Quantum Dots. <i>Chromatographia</i> , 2015, 78, 785-793.	1.3	10
300	Differences in urinary proteins related to surgical margin status after radical prostatectomy. <i>Oncology Reports</i> , 2015, 34, 3247-3255.	2.6	10
301	Study of Physico-Chemical Changes of CdTe QDs after Their Exposure to Environmental Conditions. <i>Nanomaterials</i> , 2020, 10, 865.	4.1	10
302	Electrochemical Study of Ellipticine Interaction with Single and Double Stranded Oligonucleotides. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2014, 14, 331-340.	1.7	10
303	Glutathione modified CdTe quantum dots as a label for studying DNA interactions with platinum based cytostatics. <i>Electrophoresis</i> , 2013, 34, 801-808.	2.4	9
304	Ion Exchange Chromatography and Mass Spectrometric Methods for Analysis of Cadmium-Phytochelatin (II) Complexes. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 1304-1311.	2.6	9
305	Synthesis, crystal structure and magnetic properties of trithiocyanurate or thiodiacetate polynuclear Ni(II) and Co(II) complexes. <i>Inorganica Chimica Acta</i> , 2014, 416, 147-156.	2.4	9
306	Novel biophysical determination of miRNAs related to prostate and head and neck cancers. <i>European Biophysics Journal</i> , 2015, 44, 131-138.	2.2	9

#	ARTICLE	IF	CITATIONS
307	Exposure to 17 β -Oestradiol Induces Oxidative Stress in the Non-Oestrogen Receptor Invertebrate Species <i>Eisenia fetida</i> . PLoS ONE, 2015, 10, e0145426.	2.5	9
308	Modulation of human cytochrome P450 1A1-mediated oxidation of benzo[a]pyrene by NADPH:cytochrome P450 oxidoreductase and cytochrome b5. Neuroendocrinology Letters, 2014, 35 Suppl 2, 105-113.	0.2	9
309	Blood coagulation times in the European brown hare (<i>Lepus europaeus</i>). Veterinary Clinical Pathology, 2007, 36, 361-363.	0.7	8
310	MicroRNAs and zinc metabolism-related gene expression in prostate cancer cell lines treated with zinc(II) ions. International Journal of Oncology, 2012, 41, 2237-2244.	3.3	8
311	Investigation into the Effect of Molds in Grasses on Their Content of Low Molecular Mass Thiols. International Journal of Environmental Research and Public Health, 2012, 9, 3789-3805.	2.6	8
312	In Vitro Interactions between 17 β -Estradiol and DNA Result in Formation of the Hormone-DNA Complexes. International Journal of Environmental Research and Public Health, 2014, 11, 7725-7739.	2.6	8
313	Isolation of Biogenic Amines Using Paramagnetic Microparticles Off-Line Coupled with Ion Exchange Liquid Chromatography. Chromatographia, 2014, 77, 1451-1459.	1.3	8
314	Trithiocyanurate Complexes of Iron, Manganese and Nickel and Their Anticholinesterase Activity. Molecules, 2014, 19, 4338-4354.	3.8	8
315	Fluorescence resonance energy transfer between green fluorescent protein and doxorubicin enabled by DNA nanotechnology. Electrophoresis, 2014, 35, 3290-3301.	2.4	8
316	Label-free bead-based metallothionein electrochemical immunosensor. Electrophoresis, 2015, 36, 1894-1904.	2.4	8
317	Label-free and amplification-free miR-124 detection in human cells. International Journal of Oncology, 2015, 46, 871-877.	3.3	8
318	Study of Linkage between Glutathione Pathway and the Antibiotic Resistance of <i>Escherichia coli</i> from Patients' Swabs. International Journal of Molecular Sciences, 2015, 16, 7210-7229.	4.1	8
319	3D printed stratospheric probe as a platform for determination of DNA damage based on carbon quantum dots/DNA complex fluorescence increase. Monatshefte für Chemie, 2016, 147, 873-880.	1.8	8
320	Enzymatic Reaction Coupled with Flow-Injection Analysis with Charged Aerosol, Coulometric, or Amperometric Detection for Estimation of Contamination of the Environment by Pesticides. Chromatographia, 2008, 67, 47-53.	1.3	7
321	Cell toxicity and preparation of streptavidin-modified iron nanoparticles and glutathione-modified cadmium-based quantum dots. Procedia Engineering, 2010, 5, 922-925.	1.2	7
322	Electrochemistry of copper(II) induced complexes in mycorrhizal maize plant tissues. Journal of Hazardous Materials, 2012, 203-204, 257-263.	12.4	7
323	Effect of selenium in organic and inorganic form on liver, kidney, brain and muscle of Wistar rats. Open Chemistry, 2012, 10, 1442-1451.	1.9	7
324	Isolation of Xis Gen Fragment of λ Phage from Agarose Gel Using Magnetic Particles for Subsequent Enzymatic DNA Sequencing. Chromatographia, 2013, 76, 329-334.	1.3	7

#	ARTICLE	IF	CITATIONS
325	Rapid superparamagneticâ€beadsâ€based automated immunoseparation of <sc>Z</sc>nâ€proteins from <i><sc>S</sc>taphylococcus aureus</i> with nanogram yield. Electrophoresis, 2013, 34, 224-234.	2.4	7
326	Use of nucleic acids anchor system to reveal apoferritin modification by cadmium telluride nanoparticles. Journal of Materials Chemistry B, 2015, 3, 2109-2118.	5.8	7
327	Antimicrobial nanomaterials in the food industry.. Kvasn½ PrÅmysl, 2015, 61, 51-56.	0.2	7
328	Analysis of covalent ellipticine- and doxorubicin-derived adducts in DNA of neuroblastoma cells by the ³²P-postlabeling technique. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2012, 156, 115-121.	0.6	7
329	Toxicological aspects of flavonoid interaction with biomacromolecules. Neuroendocrinology Letters, 2006, 27 Suppl 2, 14-7.	0.2	7
330	Electrochemical study of DNA damaged by oxidation stress. Combinatorial Chemistry and High Throughput Screening, 2013, 16, 130-41.	1.1	7
331	DNA and histone deacetylases as targets for neuroblastoma treatment. Interdisciplinary Toxicology, 2010, 3, 47-52.	1.0	6
332	Paramagnetic antibody-modified microparticles coupled with voltammetry as a tool for isolation and detection of metallothionein as a bioindicator of metal pollution. Journal of Environmental Monitoring, 2011, 13, 2763.	2.1	6
333	A New Approach how to Define the Coefficient of Electroactivity of Adenine and Its Twelve Derivatives Using Flow Injection Analysis with Amperometric Detection. Electroanalysis, 2011, 23, 1556-1567.	2.9	6
334	Study of deoxynivalenol effect on metallothionein and glutathione levels, antioxidant capacity, and glutathione-S-transferase and liver enzymes activity in rats. Chemical Papers, 2012, 66, .	2.2	6
335	Identification of estrogen receptor proteins in breast cancer cells using matrix-assisted laser desorption/ionization time of flight mass spectrometry (Review). Oncology Letters, 2014, 7, 1341-1344.	1.8	6
336	Fluorescence-tagged metallothionein with CdTe quantum dots analyzed by the chip-CE technique. Journal of Nanoparticle Research, 2015, 17, 423.	1.9	6
337	Employing of electroanalytical techniques for detection of silver(I) ions. Toxicology Letters, 2008, 180, S236-S237.	0.8	5
338	The role of sulphur in cadmium(II) ions detoxification demonstrated in in vitro model: Dionaea muscipula Ell.. Environmental Chemistry Letters, 2009, 7, 353-361.	16.2	5
339	Synthesis of glutathione-coated quantum dots. , 2009, , .		5
340	Capillary electromigration based techniques in diagnostics of prion protein caused diseases. Electrophoresis, 2012, 33, 3644-3652.	2.4	5
341	Qualities of Native Apple Cultivar Juices Characteristic of Central Europe. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2012, 40, 222.	1.1	5
342	Effect of sarcosine on antioxidant parameters and metallothionein content in the PC-3 prostate cancer cell line. Oncology Reports, 2013, 29, 2459-2466.	2.6	5

#	ARTICLE	IF	CITATIONS
343	Formation of DNA Adducts by Ellipticine and Its Micellar Form in Rats – A Comparative Study. <i>Sensors</i> , 2014, 14, 22982-22997.	3.8	5
344	Interaction of E6 Gene from Human Papilloma Virus 16 (HPV-16) with CdS Quantum Dots. <i>Chromatographia</i> , 2014, 77, 1433-1439.	1.3	5
345	Liposomal nanotransporter for targeted binding based on nucleic acid anchor system. <i>Electrophoresis</i> , 2014, 35, 393-404.	2.4	5
346	Changes of content of glutathione and metallothionein at plant cells and invertebrates treated by platinum group metals. <i>FASEB Journal</i> , 2006, 20, A75.	0.5	5
347	Papillomavirus infection of roe deer in the Czech Republic and fibropapilloma-associated levels of metallothionein, zinc, and oxidative stress. <i>Acta Veterinaria Brno</i> , 2015, 84, 105-111.	0.5	5
348	Anticancer agent ellipticine combined with histone deacetylase inhibitors, valproic acid and trichostatin A, is an effective DNA damage strategy in human neuroblastoma. <i>Neuroendocrinology Letters</i> , 2011, 32 Suppl 1, 101-16.	0.2	5
349	Modification of Working Electrode Surface with Carbon Nanotubes as an Electrochemical Sensor for Estimation of Melting Points of DNA. <i>Procedia Chemistry</i> , 2009, 1, 1011-1014.	0.7	4
350	Avidin and Plant Biotechnology to Control Pests. <i>Sustainable Agriculture Reviews</i> , 2010, , 1-21.	1.1	4
351	Serum Metallothioneins in Childhood Tumours – A Potential Prognostic Marker. <i>International Journal of Molecular Sciences</i> , 2013, 14, 12170-12185.	4.1	4
352	Modern Bioanalysis of Proteins by Electrophoretic Techniques. <i>Methods in Molecular Biology</i> , 2014, 1129, 381-396.	0.9	4
353	Doxorubicin interactions with bovine serum albumin revealed by microdialysis with online laser-induced fluorescence detection at subpicogram level. <i>Electrophoresis</i> , 2015, 36, 1282-1288.	2.4	4
354	Fate of humic acids isolated from natural humic substances. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2015, 65, 517-528.	0.6	4
355	Heterologous expression of human cytochrome P450 2S1 in <i>Escherichia coli</i> and investigation of its role in metabolism of benzo[a]pyrene and ellipticine. <i>Monatshefte für Chemie</i> , 2016, 147, 881-888.	1.8	4
356	Bioconjugation of peptides using advanced nanomaterials to examine their interactions in 3D printed flow-through device. <i>Electrophoresis</i> , 2016, 37, 444-454.	2.4	4
357	The Impact of Fullerenes as Doxorubicin Nano-Transporters on Metallothionein and Superoxide Dismutase Status in MCF-10A Cells. <i>Pharmaceutics</i> , 2022, 14, 102.	4.5	4
358	Utilization of Electrochemical Sensors and Biosensors in Biochemistry and Molecular Biology. <i>Sensors</i> , 2008, 8, 6125-6131.	3.8	3
359	Detection of short exons in DNA sequences using complex wavelet transform of structural features. , 2012, , .		3
360	Editorial: Metal ions in cause, progression, treatment and diagnosis of genetic disorders, metabolic diseases and cancer. <i>Current Drug Metabolism</i> , 2012, 13, 236-236.	1.2	3

#	ARTICLE	IF	CITATIONS
361	Fingerprinting in cancer diagnostics. <i>Expert Review of Proteomics</i> , 2013, 10, 211-213.	3.0	3
362	Are Early Somatic Embryos of the Norway Spruce (<i>Picea abies</i> (L.) Karst.) Organised?. <i>PLoS ONE</i> , 2015, 10, e0144093.	2.5	3
363	Effect of HPV on tumor expression levels of the most commonly used markers in HNSCC. <i>Tumor Biology</i> , 2016, 37, 7193-7201.	1.8	3
364	Induced expression of microsomal cytochrome b 5 determined at mRNA and protein levels in rats exposed to ellipticine, benzo[a]pyrene, and 1-phenylazo-2-naphthol (Sudan I). <i>Monatshefte für Chemie</i> , 2016, 147, 897-904.	1.8	3
365	Study of nucleic acids interactions with platinum based cytostatics using biosensor. <i>FASEB Journal</i> , 2007, 21, A262.	0.5	3
366	Advantages and Progress in the Analysis of DNA by Using Mercury an Amalgam Electrodes - Review. <i>Current Physical Chemistry</i> , 2011, 1, 299-324.	0.2	3
367	Effect of naturally mouldy wheat or fungi administration on metallothioneins level in brain tissues of rats. <i>Neuroendocrinology Letters</i> , 2009, 30 Suppl 1, 163-8.	0.2	3
368	Molecular biology of beta-estradiol-estrogen receptor complex binding to estrogen response element and the effect on cell proliferation. <i>Neuroendocrinology Letters</i> , 2013, 34 Suppl 2, 123-9.	0.2	3
369	Electrochemical biosensor for investigation of anticancer drugs interactions (doxorubicin and) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>		2
370	Profiling of stress transcriptome of selected genes in plants treated with heavy metals. <i>Toxicology Letters</i> , 2009, 189, S161.	0.8	2
371	New Approach in Rapid Viruses Detection and Its Implementation on a Chip. , 2009, , .		2
372	Separation of Lactoferrin from Human Saliva Using Monolithic Disc. <i>Chromatographia</i> , 2013, 76, 611-619.	1.3	2
373	Flow Injection Analysis with Electrochemical Detection for Rapid Identification of Platinum-Based Cytostatics and Platinum Chlorides in Water. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 1715-1724.	2.6	2
374	Influence of Magnetic Microparticles Isolation on Adenine Homonucleotides Structure. <i>Materials</i> , 2014, 7, 1455-1472.	2.9	2
375	Paramagnetic Particles and PNA Probe for Automated Separation and Electrochemical Detection of Influenza. <i>Chromatographia</i> , 2014, 77, 1425-1432.	1.3	2
376	Quantification of nanomaterial bioconjugation based on electrophoretic mobility shift. <i>Electrophoresis</i> , 2015, 36, 1084-1085.	2.4	2
377	Mechanisms of Uptake and Interaction of Platinum Based Drugs in Eukaryotic Cells. <i>Environmental Science and Engineering</i> , 2015, , 401-415.	0.2	2
378	Use of green fluorescent proteins for in vitro biosensing. <i>Chemical Papers</i> , 2015, 69, .	2.2	2

#	ARTICLE	IF	CITATIONS
379	Microchip Capillary Electrophoresis: Quantum Dots and Paramagnetic Particles for Bacteria Immunoseparation. <i>Methods in Molecular Biology</i> , 2015, 1274, 67-79.	0.9	2
380	Melatonin Regulates Oxidative Stress Initiated by Freundâ€™s Complete Adjuvant. <i>Acta Medica (Hradec Tj ETQq0,0 rgBT /Overlock 1</i>	0.5	2
381	USING OF ELECTROCHEMICAL METHODS FOR STUDYING OF METALLOTHIONEIN CONTENT IN THE HUMAN BLOOD SERUM OF A PATIENT POISONED BY LEAD AND TREATED BY PLATINUM. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2005, 149, 485-488.	0.6	2
382	Electrochemical Sensor for Determination of Metallothionein as Biomarker. , 2006, , .		1
383	Rapid Detection of Adenine and Cytosine Nucleotides in Short Hetero-Oligodeoxynucleotides. , 2006, , .		1
384	Electroanalytical techniques for determination of flavonoids. <i>Toxicology Letters</i> , 2008, 180, S230.	0.8	1
385	Investigation of a role of metallothionein in resistance on platinum based cytostatics. <i>Toxicology Letters</i> , 2008, 180, S133.	0.8	1
386	Data Processing in Studying the Growth of Early Spruce Embryos, Using MR Imaging Techniques. , 2009, , .		1
387	Brdicka curve — A new source of biomarkers. , 2011, , .		1
388	An Analytical Task: a Miniaturized and Portable ÂµConductometer as a Tool for Detection of Pesticides. , 0, , .		1
389	Lead Ions Encapsulated in Liposomes and Their Effect on Staphylococcus aureus. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 6687-6700.	2.6	1
390	From Amino Acids Profile to Protein Identification: Searching for Differences in Roe Deer Papilloma. <i>Chromatographia</i> , 2014, 77, 609-617.	1.3	1
391	Utilization of paramagnetic microparticles for automated isolation of free circulating mRNA as a new tool in prostate cancer diagnostics. <i>Electrophoresis</i> , 2014, 35, 306-315.	2.4	1
392	Prion protein and its interactions with metal ions (Cu ²⁺ , Zn ²⁺ , and Cd ²⁺) and metallothionein 3. <i>ADMET and DMPK</i> , 2015, 3, .	2.1	1
393	Interaction study of arsenic (III and V) ions with metallothionein gene (MT2A) fragment. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 599-605.	7.5	1
394	A new tool for distinguishing of different structural forms of lactoferrin. <i>FASEB Journal</i> , 2007, 21, A635.	0.5	1
395	Preparation and application of anti-peptide antibodies for detection of orphan cytochromes P450. <i>Neuroendocrinology Letters</i> , 2015, 36 Suppl 1, 38-45.	0.2	1
396	constaNt current chronopotentiometry Study of dna for the Detection of African Swine Fever Virus. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
397	Suggestion of electrochemical sensors for microanalysis of content of copper in biological samples. , 2008, , .		0
398	A sensitive electrochemical microsensor based on adsorptive stripping and elimination voltammetric techniques. , 2010, , .		0
399	Similarity analysis of primary and secondary structures of metallothioneins. , 2010, , .		0
400	Advanced mobile environment monitor with ability of pollution assessment. , 2011, , .		0
401	Electrochemical Study of DNA Damaged by Oxidation Stress. Combinatorial Chemistry and High Throughput Screening, 2013, 16, 130-141.	1.1	0
402	ELISA-like Analysis of Cisplatinated DNA Using Magnetic Separation. Nanobiomedicine, 2015, 2, 10.	5.7	0
403	Zinc Modified Nanotransporter of Anticancer Drugs for Targeted Therapy: Biophysical Analysis. Journal of Nanoscience and Nanotechnology, 2019, 19, 2483-2488.	0.9	0
404	Activity of CdTe Quantum-Dot-Tagged Superoxide Dismutase and Its Analysis in Capillary Electrophoresis. International Journal of Molecular Sciences, 2021, 22, 6156.	4.1	0
405	Influence of sample variance on the phylogenetic reconstruction of protein sequences. , 2011, , .		0
406	STUDY OF THE EFFECT OF PARACETAMOL BINDED IN POLYMERic NANOPARTICLES ON DAFNIA MAGNA. , 2020, , .		0
407	Yew poisoning of olive baboons (Papio anubis) in captivity: laboratory diagnosis. Neuroendocrinology Letters, 2013, 34 Suppl 2, 130-3.	0.2	0
408	Preparation of Aluminium Oxide Nanoparticles USING green synthesis. , 2021, , .		0