

Vojtech Adam

List of Publications by Year in descending order

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565
papers

19,993
citations

16437

64
h-index

23514

111
g-index

590
all docs

590
docs citations

590
times ranked

25336
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Metallothionein in Oxidative Stress. International Journal of Molecular Sciences, 2013, 14, 6044-6066.	1.8	632
2	Methods for carbon nanotubes synthesisâ€”review. Journal of Materials Chemistry, 2011, 21, 15872.	6.7	629
3	Magnetic nanoparticles and targeted drug delivering. Pharmacological Research, 2010, 62, 144-149.	3.1	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.	0.8	483
5	Magnetic Nanoparticles: From Design and Synthesis to Real World Applications. Nanomaterials, 2017, 7, 243.	1.9	436
6	Deoxynivalenol and its toxicity. Interdisciplinary Toxicology, 2010, 3, 94-9.	1.0	385
7	Selenium nanoparticles as a nutritional supplement. Nutrition, 2017, 33, 83-90.	1.1	345
8	Uncommon heavy metals, metalloids and their plant toxicity: a review. Environmental Chemistry Letters, 2008, 6, 189-213.	8.3	328
9	Quantum Dots â€” Characterization, Preparation and Usage in Biological Systems. International Journal of Molecular Sciences, 2009, 10, 656-673.	1.8	267
10	Quantum dots-fluorescence resonance energy transfer-based nanosensors and their application. Biosensors and Bioelectronics, 2015, 74, 562-574.	5.3	216
11	Zinc, zinc nanoparticles and plants. Journal of Hazardous Materials, 2018, 349, 101-110.	6.5	216
12	Mammalian metallothioneins: properties and functions. Metallomics, 2012, 4, 739.	1.0	212
13	Nanoparticles based on essential metals and their phytotoxicity. Journal of Nanobiotechnology, 2017, 15, 33.	4.2	210
14	Noteworthy Secondary Metabolites Naphthoquinones â€” their Occurrence, Pharmacological Properties and Analysis. Current Pharmaceutical Analysis, 2009, 5, 47-68.	0.3	205
15	Simultaneous femtomole determination of cysteine, reduced and oxidized glutathione, and phytochelatin in maize (Zea mays L.) kernels using high-performance liquid chromatography with electrochemical detection. Journal of Chromatography A, 2005, 1084, 134-144.	1.8	176
16	The role of hypoxiaâ€”inducible factor 1 in tumor immune evasion. Medicinal Research Reviews, 2021, 41, 1622-1643.	5.0	157
17	Trace elemental analysis by laser-induced breakdown spectroscopyâ€”Biological applications. Surface Science Reports, 2012, 67, 233-243.	3.8	149
18	Jacks of metal/metalloid chelation trade in plantsÃ¢â€,â€”an overview. Frontiers in Plant Science, 2015, 6, 192.	1.7	148

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19	Metallothioneins and Cancer. <i>Current Protein and Peptide Science</i> , 2009, 10, 360-375.	0.7	138
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.	1.5	133
21	Nanoparticle-Plant Interactions: Two-Way Traffic. <i>Small</i> , 2019, 15, e1901794.	5.2	132
22	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.	2.6	126
23	Anthracyclines and ellipticines as DNA-damaging anticancer drugs: Recent advances. , 2012, 133, 26-39.		125
24	Nanoscale copper in the soil-plant system - toxicity and underlying potential mechanisms. <i>Environmental Research</i> , 2015, 138, 306-325.	3.7	124
25	Fully Automated Spectrometric Protocols for Determination of Antioxidant Activity: Advantages and Disadvantages. <i>Molecules</i> , 2010, 15, 8618-8640.	1.7	117
26	Effect of inoculation with white-rot fungi and fungal consortium on the composting efficiency of municipal solid waste. <i>Waste Management</i> , 2017, 61, 157-164.	3.7	117
27	Content of Phenolic Compounds and Antioxidant Capacity in Fruits of Apricot Genotypes. <i>Molecules</i> , 2010, 15, 6285-6305.	1.7	116
28	Attomole voltammetric determination of metallothionein. <i>Electrochimica Acta</i> , 2006, 51, 5112-5119.	2.6	115
29	3D printed chip for electrochemical detection of influenza virus labeled with CdS quantum dots. <i>Biosensors and Bioelectronics</i> , 2014, 54, 421-427.	5.3	115
30	Polyphenolic Profile and Biological Activity of Chinese Hawthorn (<i>Crataegus pinnatifida</i> BUNGE) Fruits. <i>Molecules</i> , 2012, 17, 14490-14509.	1.7	114
31	Hypoxia-inducible factors: master regulators of hypoxic tumor immune escape. <i>Journal of Hematology and Oncology</i> , 2022, 15, .	6.9	112
32	Preparation and Properties of Various Magnetic Nanoparticles. <i>Sensors</i> , 2009, 9, 2352-2362.	2.1	111
33	Phenolic Profile of Edible Honeysuckle Berries (Genus <i>Lonicera</i>) and Their Biological Effects. <i>Molecules</i> , 2012, 17, 61-79.	1.7	106
34	Determination of Vitamin C (Ascorbic Acid) Using High Performance Liquid Chromatography Coupled with Electrochemical Detection. <i>Sensors</i> , 2008, 8, 7097-7112.	2.1	100
35	Separation, identification and quantification of carotenoids and chlorophylls in dietary supplements containing <i>Chlorella vulgaris</i> and <i>Spirulina platensis</i> using High Performance Thin Layer Chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 148, 108-118.	1.4	100
36	Perspective of Use of Antiviral Peptides against Influenza Virus. <i>Viruses</i> , 2015, 7, 5428-5442.	1.5	98

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37	Analytical Methods for Metallothionein Detection. <i>Current Analytical Chemistry</i> , 2011, 7, 243-261.	0.6	95
38	Carbon dots based FRET for the detection of DNA damage. <i>Biosensors and Bioelectronics</i> , 2017, 92, 133-139.	5.3	94
39	Sarcosine as a Potential Prostate Cancer Biomarker—A Review. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13893-13908.	1.8	93
40	Nanocarriers for Anticancer Drugs - New Trends in Nanomedicine. <i>Current Drug Metabolism</i> , 2013, 14, 547-564.	0.7	93
41	Microfluidic electrochemical devices for pollution analysis—A review. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 578-590.	4.0	92
42	Vertebrate metallothioneins as target molecules for analytical techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 409-418.	5.8	90
43	MALDI-TOF MS as evolving cancer diagnostic tool: A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 95, 245-255.	1.4	88
44	Clinical significance of head and neck squamous cell cancer biomarkers. <i>Oral Oncology</i> , 2014, 50, 168-177.	0.8	88
45	Metallothionein polymorphisms in pathological processes. <i>Metallomics</i> , 2014, 6, 55-68.	1.0	86
46	Simultaneous determination of eight biologically active thiol compounds using gradient elution-liquid chromatography with Coul-Array detection. <i>Journal of Separation Science</i> , 2006, 29, 1166-1173.	1.3	83
47	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.	1.2	82
48	Immobilization of ligninolytic enzymes from white-rot fungi in cross-linked aggregates. <i>Chemosphere</i> , 2018, 202, 694-707.	4.2	82
49	Serum and Tissue Zinc in Epithelial Malignancies: A Meta-Analysis. <i>PLoS ONE</i> , 2014, 9, e99790.	1.1	82
50	Cisplatin electrochemical biosensor. <i>Electrochimica Acta</i> , 2006, 51, 5169-5173.	2.6	81
51	COVID-19: A challenge for electrochemical biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 136, 116192.	5.8	79
52	Metallothioneins and zinc in cancer diagnosis and therapy. <i>Drug Metabolism Reviews</i> , 2012, 44, 287-301.	1.5	77
53	G-Quadruplexes as Sensing Probes. <i>Molecules</i> , 2013, 18, 14760-14779.	1.7	76
54	Ultrasensitive detection of influenza viruses with a glycan-based impedimetric biosensor. <i>Biosensors and Bioelectronics</i> , 2016, 79, 644-649.	5.3	76

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55	Determination of Zinc, Cadmium, Lead, Copper and Silver Using a Carbon Paste Electrode and a Screen Printed Electrode Modified with Chromium(III) Oxide. <i>Sensors</i> , 2017, 17, 1832.	2.1	76
56	Study of Metallothionein Modified Electrode Surface Behavior in the Presence of Heavy Metal Ions-Biosensor. <i>Electroanalysis</i> , 2005, 17, 1649-1657.	1.5	75
57	Ten quick tips for homology modeling of high-resolution protein 3D structures. <i>PLoS Computational Biology</i> , 2020, 16, e1007449.	1.5	75
58	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.	2.4	73
59	Homology modeling in the time of collective and artificial intelligence. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3494-3506.	1.9	73
60	Electroanalysis of Plant Thiols. <i>Sensors</i> , 2007, 7, 932-959.	2.1	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.	1.1	71
62	Multi-instrumental Analysis of Tissues of Sunflower Plants Treated with Silver(I) Ions â€œ Plants as Bioindicators of Environmental Pollution. <i>Sensors</i> , 2008, 8, 445-463.	2.1	70
63	An Electrochemical Detection of Metallothioneins at the Zeptomole Level in Nanolitre Volumes. <i>Sensors</i> , 2008, 8, 2293-2305.	2.1	70
64	Peptide-based electrochemical biosensors utilized for protein detection. <i>Biosensors and Bioelectronics</i> , 2021, 180, 113087.	5.3	70
65	Phytochelatin Modified Electrode Surface as a Sensitive Heavy- Metal Ion Biosensor. <i>Sensors</i> , 2005, 5, 70-84.	2.1	69
66	Electrochemical determination of Ag-ions in environment waters and their action on plant embryos. <i>Bioelectrochemistry</i> , 2007, 70, 508-518.	2.4	69
67	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.	0.7	69
68	<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.	1.8	68
69	Liquid chromatographicâ€œmass 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.	2.6	66
70	Modern Micro and Nanoparticle-Based Imaging Techniques. <i>Sensors</i> , 2012, 12, 14792-14820.	2.1	66
71	Nanoparticle-drug conjugates treating bacterial infections. <i>Journal of Controlled Release</i> , 2019, 307, 166-185.	4.8	66
72	Determination of isoflavones in soy bits by fast column high-performance liquid chromatography coupled with UVâ€œvisible diode-array detection. <i>Journal of Chromatography A</i> , 2005, 1084, 71-79.	1.8	65

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73	Current Trends in Detection of Histamine in Food and Beverages. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 773-783.	2.4	65
74	Naphthoquinones as allelochemical triggers of programmed cell death. <i>Environmental and Experimental Botany</i> , 2009, 65, 330-337.	2.0	63
75	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.	1.8	62
76	Induction of Laccase, Lignin Peroxidase and Manganese Peroxidase Activities in White-Rot Fungi Using Copper Complexes. <i>Molecules</i> , 2016, 21, 1553.	1.7	62
77	Metallothionein – Immunohistochemical Cancer Biomarker: A Meta-Analysis. <i>PLoS ONE</i> , 2014, 9, e85346.	1.1	61
78	Site-Directed Conjugation of Antibodies to Apoferritin Nanocarrier for Targeted Drug Delivery to Prostate Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14430-14441.	4.0	61
79	From Na ⁺ /K ⁺ -ATPase and Cardiac Glycosides to Cytotoxicity and Cancer Treatment. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013, 13, 1069-1087.	0.9	61
80	Apoferritin applications in nanomedicine. <i>Nanomedicine</i> , 2014, 9, 2233-2245.	1.7	60
81	Transport phenomena of nanoparticles in plants and animals/humans. <i>Environmental Research</i> , 2016, 151, 233-243.	3.7	60
82	A critical comparison of natural enzymes and nanozymes in biosensing and bioassays. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113494.	5.3	60
83	Platinum nanoparticles induce damage to DNA and inhibit DNA replication. <i>PLoS ONE</i> , 2017, 12, e0180798.	1.1	60
84	Electrochemical Sensors for Detection of Acetylsalicylic Acid. <i>Sensors</i> , 2006, 6, 1483-1497.	2.1	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.	1.7	59
86	Development and characterisation of furcellaran-gelatin films containing SeNPs and AgNPs that have antimicrobial activity. <i>Food Hydrocolloids</i> , 2018, 83, 9-16.	5.6	59
87	Electrochemical Microsensors for the Detection of Cadmium(II) and Lead(II) Ions in Plants. <i>Sensors</i> , 2010, 10, 5308-5328.	2.1	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.	1.4	58
89	A Suggestion of Electrochemical Biosensor for Study of Platinum(II)-DNA Interactions. <i>Electroanalysis</i> , 2007, 19, 331-338.	1.5	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.	1.4	57

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91	Electrochemical sensing of etoposide using carbon quantum dot modified glassy carbon electrode. <i>Analyst</i> , 2016, 141, 2665-2675.	1.7	57
92	Determination of apo-Metallothionein Using Adsorptive Transfer Stripping Technique in Connection with Differential Pulse Voltammetry. <i>Electroanalysis</i> , 2007, 19, 339-347.	1.5	56
93	Zeptomole Electrochemical Detection of Metallothioneins. <i>PLoS ONE</i> , 2010, 5, e11441.	1.1	56
94	Sharka: The Past, The Present and The Future. <i>Viruses</i> , 2012, 4, 2853-2901.	1.5	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.	1.8	56
96	Utilizing of Square Wave Voltammetry to Detect Flavonoids in the Presence of Human Urine. <i>Sensors</i> , 2007, 7, 2402-2418.	2.1	54
97	Employment of Electrochemical Techniques for Metallothionein Determination in Tumor Cell Lines and Patients with a Tumor Disease. <i>Electroanalysis</i> , 2008, 20, 1521-1532.	1.5	54
98	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.	1.9	53
99	Algal Biomass Analysis by Laser-Based Analytical Techniques—A Review. <i>Sensors</i> , 2014, 14, 17725-17752.	2.1	53
100	Histone deacetylase inhibitors in cancer therapy. A review. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2014, 158, 161-169.	0.2	53
101	Fabrication of solidâ€state nanopores and its perspectives. <i>Electrophoresis</i> , 2015, 36, 2367-2379.	1.3	53
102	Preparation and Optimisation of Cross-Linked Enzyme Aggregates Using Native Isolate White Rot Fungi <i>Trametes versicolor</i> and <i>Fomes fomentarius</i> for the Decolourisation of Synthetic Dyes. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 23.	1.2	53
103	Sunflower Plants as Bioindicators of Environmental Pollution with Lead (II) Ions. <i>Sensors</i> , 2009, 9, 5040-5058.	2.1	52
104	Evaluation of Polyphenolic Profile and Nutritional Value of Non-Traditional Fruit Species in the Czech Republic â€” A Comparative Study. <i>Molecules</i> , 2012, 17, 8968-8981.	1.7	52
105	Active Lightâ€Powered Antibiofilm ZnO Micromotors with Chemically Programmable Properties. <i>Advanced Functional Materials</i> , 2021, 31, 2101178.	7.8	52
106	Paramagnetic Nanoparticles as a Platform for FRET-Based Sarcosine Picomolar Detection. <i>Scientific Reports</i> , 2015, 5, 8868.	1.6	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.	2.1	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.	2.5	51

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109	3D-printed chip for detection of methicillin-resistant <i>Staphylococcus aureus</i> labeled with gold nanoparticles. <i>Electrophoresis</i> , 2015, 36, 457-466.	1.3	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.	2.1	50
111	Magnetic molecularly imprinted polymers used for selective isolation and detection of <i>Staphylococcus aureus</i> . <i>Food Chemistry</i> , 2020, 321, 126673.	4.2	50
112	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.	2.6	49
113	Utilizing a chronopotentiometric sensor technique for metallothionein determination in fish tissues and their host parasites. <i>Sensors and Actuators B: Chemical</i> , 2007, 127, 112-119.	4.0	49
114	Spectrometric and Voltammetric Analysis of Urease – Nickel Nanoelectrode as an Electrochemical Sensor. <i>Sensors</i> , 2007, 7, 1238-1255.	2.1	48
115	Application of molecularly imprinted polymers as artificial receptors for imaging. <i>Acta Biomaterialia</i> , 2020, 101, 444-458.	4.1	46
116	Phytochelatin synthase activity as a marker of metal pollution. <i>Journal of Hazardous Materials</i> , 2011, 192, 794-800.	6.5	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.	1.2	45
118	Algal metabolites: An inevitable substitute for antibiotics. <i>Biotechnology Advances</i> , 2020, 43, 107571.	6.0	45
119	One-pot synthesis of natural amine-modified biocompatible carbon quantum dots with antibacterial activity. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 30-48.	5.0	45
120	Bio-Sensing of Cadmium(II) Ions Using <i>Staphylococcus aureus</i> . <i>Sensors</i> , 2011, 11, 10638-10663.	2.1	44
121	Inkjet-printed electrochemically reduced graphene oxide microelectrode as a platform for HT-2 mycotoxin immunoenzymatic biosensing. <i>Biosensors and Bioelectronics</i> , 2020, 156, 112109.	5.3	44
122	Microarray analysis of metallothioneins in human diseases – A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 464-473.	1.4	43
123	Current trends in electrochemical sensing and biosensing of DNA methylation. <i>Biosensors and Bioelectronics</i> , 2017, 97, 384-399.	5.3	43
124	Use of Liquid Chromatography with Electrochemical Detection for the Determination of Antioxidants in Less Common Fruits. <i>Molecules</i> , 2008, 13, 2823-2836.	1.7	42
125	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.	1.5	42
126	Expression profiles of miR-29c, miR-200b and miR-375 in tumour and tumour-adjacent tissues of head and neck cancers. <i>Tumor Biology</i> , 2016, 37, 12627-12633.	0.8	42

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127	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.	1.0	41
128	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.	2.2	41
129	Comparative study on toxicity of extracellularly biosynthesized and laboratory synthesized CdTe quantum dots. <i>Journal of Biotechnology</i> , 2017, 241, 193-200.	1.9	41
130	Sarcosine Up-Regulates Expression of Genes Involved in Cell Cycle Progression of Metastatic Models of Prostate Cancer. <i>PLoS ONE</i> , 2016, 11, e0165830.	1.1	41
131	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.	1.2	40
132	Lactoferrin Isolation Using Monolithic Column Coupled with Spectrometric or Micro-Amperometric Detector. <i>Sensors</i> , 2008, 8, 464-487.	2.1	40
133	Using of chicken antibodies for metallothionein detection in human blood serum and cadmium-treated tumour cell lines after dot-blot and electroblotting. <i>Electrophoresis</i> , 2009, 30, 3726-3735.	1.3	40
134	New Hydrodynamic Electrochemical Arrangement for Cadmium Ions Detection Using Thick-Film Chemical Sensor Electrodes. <i>Sensors</i> , 2006, 6, 1498-1512.	2.1	39
135	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.	2.1	39
136	Comparison of Metallothionein Detection by Using Brdicka Reaction and Enzyme-Linked Immunosorbent Assay Employing Chicken Yolk Antibodies. <i>Electroanalysis</i> , 2009, 21, 2575-2583.	1.5	39
137	Electrophoretic fingerprint metallothionein analysis as a potential prostate cancer biomarker. <i>Electrophoresis</i> , 2011, 32, 1952-1961.	1.3	39
138	Haloperidol Cytotoxicity and Its Relation to Oxidative Stress. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013, 13, 1993-1998.	1.1	39
139	Elimination Voltammetry with Linear Scan as a New Detection Method for DNA Sensors. <i>Sensors</i> , 2005, 5, 448-464.	2.1	38
140	Automated nucleic acids isolation using paramagnetic microparticles coupled with electrochemical detection. <i>Talanta</i> , 2009, 79, 402-411.	2.9	38
141	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.	1.7	38
142	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.	5.3	38
143	The Composites of Graphene Oxide with Metal or Semimetal Nanoparticles and Their Effect on Pathogenic Microorganisms. <i>Materials</i> , 2015, 8, 2994-3011.	1.3	38
144	Biological Activity and Molecular Structures of Bis(benzimidazole) and Trithiocyanurate Complexes. <i>Molecules</i> , 2015, 20, 10360-10376.	1.7	38

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145	Antibody-free detection of infectious bacteria using quantum dots-based barcode assay. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 134, 325-332.	1.4	38
146	Magnetic solids in electrochemical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 98, 104-113.	5.8	38
147	Metallothionein isoforms as double agents – Their roles in carcinogenesis, cancer progression and chemoresistance. <i>Drug Resistance Updates</i> , 2020, 52, 100691.	6.5	38
148	Affecting of aquatic vascular plant <i>Lemna minor</i> by cisplatin revealed by voltammetry. <i>Bioelectrochemistry</i> , 2008, 72, 59-65.	2.4	37
149	Electrochemical Determination of the Antioxidant Potential of Some Less Common Fruit Species. <i>Sensors</i> , 2008, 8, 7564-7570.	2.1	37
150	Study of metallothionein oxidation by using of chip CE. <i>Electrophoresis</i> , 2009, 30, 4029-4033.	1.3	37
151	Nanotechnology-based analytical approaches for detection of viruses. <i>Analytical Methods</i> , 2017, 9, 2375-2391.	1.3	37
152	Nanocomposite Furcellaran Films – the Influence of Nanofillers on Functional Properties of Furcellaran Films and Effect on Linseed Oil Preservation. <i>Polymers</i> , 2019, 11, 2046.	2.0	37
153	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”. <i>Protein Journal</i> , 2006, 25, 23-32.	0.7	36
154	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.	2.6	36
155	Caveolin-1 as a potential high-risk prostate cancer biomarker. <i>Oncology Reports</i> , 2012, 27, 831-41.	1.2	36
156	Analysis of metallothionein by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2012, 1226, 31-42.	1.8	36
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