

Vojtech Adam

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6476015/vojtech-adam-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

526
papers

14,358
citations

57
h-index

94
g-index

590
ext. papers

16,586
ext. citations

4.7
avg, IF

6.63
L-index

#	Paper	IF	Citations
526	Methods for carbon nanotubes synthesisReview. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15872		506
525	Magnetic nanoparticles and targeted drug delivering. <i>Pharmacological Research</i> , 2010 , 62, 144-9	10.2	480
524	The role of metallothionein in oxidative stress. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 6044-66	4.66	476
523	Magnetic Nanoparticles: From Design and Synthesis to Real World Applications. <i>Nanomaterials</i> , 2017 , 7,	5.4	317
522	Redox status expressed as GSH:GSSG ratio as a marker for oxidative stress in paediatric tumour patients. <i>Oncology Letters</i> , 2012 , 4, 1247-1253	2.6	317
521	Deoxynivalenol and its toxicity. <i>Interdisciplinary Toxicology</i> , 2010 , 3, 94-9	2.3	274
520	Uncommon heavy metals, metalloids and their plant toxicity: a review. <i>Environmental Chemistry Letters</i> , 2008 , 6, 189-213	13.3	268
519	Selenium nanoparticles as a nutritional supplement. <i>Nutrition</i> , 2017 , 33, 83-90	4.8	223
518	Quantum dots - characterization, preparation and usage in biological systems. <i>International Journal of Molecular Sciences</i> , 2009 , 10, 656-73	6.3	217
517	Quantum dots-fluorescence resonance energy transfer-based nanosensors and their application. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 562-74	11.8	176
516	Mammalian metallothioneins: properties and functions. <i>Metallomics</i> , 2012 , 4, 739-50	4.5	166
515	Noteworthy Secondary Metabolites Naphthoquinones Their Occurrence, Pharmacological Properties and Analysis. <i>Current Pharmaceutical Analysis</i> , 2009 , 5, 47-68	0.6	157
514	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. <i>Journal of Chromatography A</i> , 2005 , 1084, 134-44	4.5	146
513	Nanoparticles based on essential metals and their phytotoxicity. <i>Journal of Nanobiotechnology</i> , 2017 , 15, 33	9.4	144
512	Trace elemental analysis by laser-induced breakdown spectroscopyBiological applications. <i>Surface Science Reports</i> , 2012 , 67, 233-243	12.9	121
511	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	3.1	120
510	Zinc, zinc nanoparticles and plants. <i>Journal of Hazardous Materials</i> , 2018 , 349, 101-110	12.8	119

509	Jacks of metal/metalloid chelation trade in plants-an overview. <i>Frontiers in Plant Science</i> , 2015 , 6, 192	6.2	110
508	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	6.6	110
507	Metallothioneins and cancer. <i>Current Protein and Peptide Science</i> , 2009 , 10, 360-75	2.8	104
506	Nanoscale copper in the soil-plant system - toxicity and underlying potential mechanisms. <i>Environmental Research</i> , 2015 , 138, 306-25	7.9	102
505	Anthracyclines and ellipticines as DNA-damaging anticancer drugs: recent advances. <i>Pharmacology & Therapeutics</i> , 2012 , 133, 26-39	13.9	101
504	3D printed chip for electrochemical detection of influenza virus labeled with CdS quantum dots. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 421-7	11.8	95
503	Fully automated spectrometric protocols for determination of antioxidant activity: advantages and disadvantages. <i>Molecules</i> , 2010 , 15, 8618-40	4.8	90
502	Attomole voltammetric determination of metallothionein. <i>Electrochimica Acta</i> , 2006 , 51, 5112-5119	6.7	88
501	Polyphenolic profile and biological activity of Chinese hawthorn (<i>Crataegus pinnatifida</i> BUNGE) fruits. <i>Molecules</i> , 2012 , 17, 14490-509	4.8	87
500	Preparation and properties of various magnetic nanoparticles. <i>Sensors</i> , 2009 , 9, 2352-62	3.8	86
499	Phenolic profile of edible honeysuckle berries (genus <i>Lonicera</i>) and their biological effects. <i>Molecules</i> , 2011 , 17, 61-79	4.8	82
498	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	8.6	81
497	Nanocarriers for anticancer drugs--new trends in nanomedicine. <i>Current Drug Metabolism</i> , 2013 , 14, 547-54	5.4	79
496	Sarcosine as a potential prostate cancer biomarker--a review. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 13893-908	6.3	76
495	Clinical significance of head and neck squamous cell cancer biomarkers. <i>Oral Oncology</i> , 2014 , 50, 168-77	4.4	75
494	Carbon dots based FRET for the detection of DNA damage. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 133-139	13.8	74
493	Metallothionein polymorphisms in pathological processes. <i>Metallomics</i> , 2014 , 6, 55-68	4.5	74
492	Content of phenolic compounds and antioxidant capacity in fruits of apricot genotypes. <i>Molecules</i> , 2010 , 15, 6285-305	4.8	72

491	Analytical Methods for Metallothionein Detection. <i>Current Analytical Chemistry</i> , 2011 , 7, 243-261	1.7	72
490	MALDI-TOF MS as evolving cancer diagnostic tool: a review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 95, 245-55	3.5	71
489	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, 101-11	3.2	71
488	Perspective of Use of Antiviral Peptides against Influenza Virus. <i>Viruses</i> , 2015 , 7, 5428-42	6.2	70
487	Determination of Vitamin C (Ascorbic Acid) Using High Performance Liquid Chromatography Coupled with Electrochemical Detection. <i>Sensors</i> , 2008 , 8, 7097-7112	3.8	69
486	Microfluidic electrochemical devices for pollution analysis: a review. <i>Sensors and Actuators B: Chemical</i> , 2017 , 246, 578-590	8.5	68
485	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, 5848-52	5.7	67
484	Vertebrate metallothioneins as target molecules for analytical techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2010 , 29, 409-418	14.6	66
483	G-quadruplexes as sensing probes. <i>Molecules</i> , 2013 , 18, 14760-79	4.8	65
482	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, 1166-734	7.4	64
481	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	2.6	63
480	Study of Metallothionein Modified Electrode Surface Behavior in the Presence of Heavy Metal Ions-Biosensor. <i>Electroanalysis</i> , 2005 , 17, 1649-1657	3	62
479	Serum and tissue zinc in epithelial malignancies: a meta-analysis. <i>PLoS ONE</i> , 2014 , 9, e99790	3.7	62
478	Metallothioneins and zinc in cancer diagnosis and therapy. <i>Drug Metabolism Reviews</i> , 2012 , 44, 287-301	7	61
477	Cisplatin electrochemical biosensor. <i>Electrochimica Acta</i> , 2006 , 51, 5169-5173	6.7	61
476	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	3.5	60
475	Immobilization of ligninolytic enzymes from white-rot fungi in cross-linked aggregates. <i>Chemosphere</i> , 2018 , 202, 694-707	8.4	59
474	Ultrasensitive detection of influenza viruses with a glycan-based impedimetric biosensor. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 644-9	11.8	58

473	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	2.9	58
472	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	6.6	58
471	Phytochelatin Modified Electrode Surface as a Sensitive Heavy- Metal Ion Biosensor. <i>Sensors</i> , 2005 , 5, 70-84	3.8	58
470	Electrochemical determination of Ag-ions in environment waters and their action on plant embryos. <i>Bioelectrochemistry</i> , 2007 , 70, 508-18	5.6	57
469	Naphthoquinones as allelochemical triggers of programmed cell death. <i>Environmental and Experimental Botany</i> , 2009 , 65, 330-337	5.9	56
468	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, 71-9	4.5	56
467	<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, 24656-72	6.3	55
466	Site-Directed Conjugation of Antibodies to Apoferritin Nanocarrier for Targeted Drug Delivery to Prostate Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 14430-41	9.5	55
465	Modern micro and nanoparticle-based imaging techniques. <i>Sensors</i> , 2012 , 12, 14792-820	3.8	52
464	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,	3.8	51
463	Multi-instrumental Analysis of Tissues of Sunflower Plants Treated with Silver(I) Ions - Plants as Bioindicators of Environmental Pollution. <i>Sensors</i> , 2008 , 8, 445-463	3.8	51
462	An Electrochemical Detection of Metallothioneins at the Zeptomole Level in Nanolitre Volumes. <i>Sensors</i> , 2008 , 8, 2293-2305	3.8	51
461	Electroanalysis of Plant Thiols. <i>Sensors</i> , 2007 , 7, 932-959	3.8	51
460	Apoferritin applications in nanomedicine. <i>Nanomedicine</i> , 2014 , 9, 2233-45	5.6	50
459	Cisplatin-resistant prostate cancer model: Differences in antioxidant system, apoptosis and cell cycle. <i>International Journal of Oncology</i> , 2014 , 44, 923-33	4.4	49
458	Metallothionein - immunohistochemical cancer biomarker: a meta-analysis. <i>PLoS ONE</i> , 2014 , 9, e85346	3.7	49
457	Relevance of infection with human papillomavirus: the role of the p53 tumor suppressor protein and E6/E7 zinc finger proteins (Review). <i>International Journal of Oncology</i> , 2013 , 43, 1754-62	4.4	49
456	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, 13592-614	6.3	49

455	Nanoparticle-Plant Interactions: Two-Way Traffic. <i>Small</i> , 2019 , 15, e1901794	11	48
454	Apo ferritin modified magnetic particles as doxorubicin carriers for anticancer drug delivery. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 13391-402	6.3	48
453	Algal biomass analysis by laser-based analytical techniques--a review. <i>Sensors</i> , 2014 , 14, 17725-52	3.8	48
452	From Na ⁺ /K ⁺ -ATPase and cardiac glycosides to cytotoxicity and cancer treatment. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013 , 13, 1069-87	2.2	48
451	Development and characterisation of furcellaran-gelatin films containing SeNPs and AgNPs that have antimicrobial activity. <i>Food Hydrocolloids</i> , 2018 , 83, 9-16	10.6	47
450	Electrochemical Sensors for Detection of Acetylsalicylic Acid. <i>Sensors</i> , 2006 , 6, 1483-1497	3.8	47
449	Transport phenomena of nanoparticles in plants and animals/humans. <i>Environmental Research</i> , 2016 , 151, 233-243	7.9	47
448	Fabrication of solid-state nanopores and its perspectives. <i>Electrophoresis</i> , 2015 , 36, 2367-79	3.6	46
447	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, 161-9	1.7	46
446	Sharka: the past, the present and the future. <i>Viruses</i> , 2012 , 4, 2853-901	6.2	46
445	Utilizing of Square Wave Voltammetry to Detect Flavonoids in the Presence of Human Urine. <i>Sensors</i> , 2007 , 7, 2402-2418	3.8	45
444	An analysis of avidin, biotin and their interaction at attomole levels by voltammetric and chromatographic techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 381, 1167-78	4.4	45
443	A Suggestion of Electrochemical Biosensor for Study of Platinum(II)-DNA Interactions. <i>Electroanalysis</i> , 2007 , 19, 331-338	3	44
442	The role of hypoxia-inducible factor 1 in tumor immune evasion. <i>Medicinal Research Reviews</i> , 2021 , 41, 1622-1643	14.4	44
441	The effect of metal ions on Staphylococcus aureus revealed by biochemical and mass spectrometric analyses. <i>Microbiological Research</i> , 2015 , 170, 147-56	5.3	43
440	3D-printed chip for detection of methicillin-resistant Staphylococcus aureus labeled with gold nanoparticles. <i>Electrophoresis</i> , 2015 , 36, 457-66	3.6	42
439	Electrochemical sensing of etoposide using carbon quantum dot modified glassy carbon electrode. <i>Analyst, The</i> , 2016 , 141, 2665-75	5	42
438	Determination of apo-Metallothionein Using Adsorptive Transfer Stripping Technique in Connection with Differential Pulse Voltammetry. <i>Electroanalysis</i> , 2007 , 19, 339-347	3	42

437	Evaluation of polyphenolic profile and nutritional value of non-traditional fruit species in the Czech Republic--a comparative study. <i>Molecules</i> , 2012 , 17, 8968-81	4.8	41
436	Platinum nanoparticles induce damage to DNA and inhibit DNA replication. <i>PLoS ONE</i> , 2017 , 12, e0180798	3.7	41
435	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> , 2014 , 15, 592-610	3.8	39
434	Paramagnetic nanoparticles as a platform for FRET-based sarcosine picomolar detection. <i>Scientific Reports</i> , 2015 , 5, 8868	4.9	39
433	Employment of Electrochemical Techniques for Metallothionein Determination in Tumor Cell Lines and Patients with a Tumor Disease. <i>Electroanalysis</i> , 2008 , 20, 1521-1532	3	39
432	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	6.6	39
431	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> , 2017 , 15,	4.6	38
430	Effect of five different stages of ripening on chemical compounds in medlar (<i>Mespilus germanica</i> L.). <i>Molecules</i> , 2010 , 16, 74-91	4.8	38
429	Spectrometric and Voltammetric Analysis of Urease [Nickel Nanoelectrode as an Electrochemical Sensor. <i>Sensors</i> , 2007 , 7, 1238-1255	3.8	37
428	Current trends in electrochemical sensing and biosensing of DNA methylation. <i>Biosensors and Bioelectronics</i> , 2017 , 97, 384-399	11.8	36
427	Electrochemical microsensors for the detection of cadmium(II) and lead(II) ions in plants. <i>Sensors</i> , 2010 , 10, 5308-28	3.8	36
426	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	8.5	36
425	Induction of Laccase, Lignin Peroxidase and Manganese Peroxidase Activities in White-Rot Fungi Using Copper Complexes. <i>Molecules</i> , 2016 , 21,	4.8	36
424	Ten quick tips for homology modeling of high-resolution protein 3D structures. <i>PLoS Computational Biology</i> , 2020 , 16, e1007449	5	35
423	Sunflower Plants as Bioindicators of Environmental Pollution with Lead (II) Ions. <i>Sensors</i> , 2009 , 9, 5040-58.8	3.8	35
422	Use of liquid chromatography with electrochemical detection for the determination of antioxidants in less common fruits. <i>Molecules</i> , 2008 , 13, 2823-36	4.8	35
421	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	35
420	Sarcosine Up-Regulates Expression of Genes Involved in Cell Cycle Progression of Metastatic Models of Prostate Cancer. <i>PLoS ONE</i> , 2016 , 11, e0165830	3.7	35

419	COVID-19: A challenge for electrochemical biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 136, 116192	14.6	35
418	Magnetic solids in electrochemical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 98, 104-113	14.6	34
417	Nanoparticle-drug conjugates treating bacterial infections. <i>Journal of Controlled Release</i> , 2019 , 307, 166-185	11.5	33
416	Antibody-free detection of infectious bacteria using quantum dots-based barcode assay. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 134, 325-332	3.5	33
415	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	4.6	33
414	Analysis of metallothionein by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2012 , 1226, 31-42	4.5	32
413	Heavy metals and metallothionein in vespertilionid bats foraging over aquatic habitats in the Czech Republic. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 501-6	3.8	32
412	Lactoferrin Isolation Using Monolithic Column Coupled with Spectrometric or Micro-Amperometric Detector. <i>Sensors</i> , 2008 , 8, 464-487	3.8	32
411	Elimination Voltammetry with Linear Scan as a New Detection Method for DNA Sensors. <i>Sensors</i> , 2005 , 5, 448-464	3.8	32
410	Haloperidol cytotoxicity and its relation to oxidative stress. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013 , 13, 1993-8	3.2	32
409	Microarray analysis of metallothioneins in human diseases--A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 117, 464-73	3.5	31
408	Phytochelatin synthase activity as a marker of metal pollution. <i>Journal of Hazardous Materials</i> , 2011 , 192, 794-800	12.8	31
407	Zeptomole electrochemical detection of metallothioneins. <i>PLoS ONE</i> , 2010 , 5, e11441	3.7	31
406	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, 3726-35	3.6	31
405	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	3.9	31
404	Apo ferritin as an ubiquitous nanocarrier with excellent shelf life. <i>International Journal of Nanomedicine</i> , 2017 , 12, 2265-2278	7.3	30
403	Using CdTe/ZnSe core/shell quantum dots to detect DNA and damage to DNA. <i>International Journal of Nanomedicine</i> , 2017 , 12, 1277-1291	7.3	30
402	Biological Activity and Molecular Structures of Bis(benzimidazole) and Trithiocyanurate Complexes. <i>Molecules</i> , 2015 , 20, 10360-76	4.8	30

401	Caveolin-1 as a potential high-risk prostate cancer biomarker. <i>Oncology Reports</i> , 2012 , 27, 831-41	3.5	30
400	Electrochemical Determination of the Antioxidant Potential of Some Less Common Fruit Species. <i>Sensors</i> , 2008 , 8, 7564-7570	3.8	30
399	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	6.7	30
398	Current Trends in Detection of Histamine in Food and Beverages. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 773-783	5.7	30
397	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	2.9	29
396	Comparative study on toxicity of extracellularly biosynthesized and laboratory synthesized CdTe quantum dots. <i>Journal of Biotechnology</i> , 2017 , 241, 193-200	3.7	29
395	Mathematical evaluation of the amino acid and polyphenol content and antioxidant activities of fruits from different apricot cultivars. <i>Molecules</i> , 2011 , 16, 7428-57	4.8	29
394	Bio-sensing of cadmium(II) ions using <i>Staphylococcus aureus</i> . <i>Sensors</i> , 2011 , 11, 10638-63	3.8	29
393	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	2.8	29
392	New Hydrodynamic Electrochemical Arrangement for Cadmium Ions Detection Using Thick-Film Chemical Sensor Electrodes. <i>Sensors</i> , 2006 , 6, 1498-1512	3.8	29
391	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	3.2	29
390	Nanotechnology-based analytical approaches for detection of viruses. <i>Analytical Methods</i> , 2017 , 9, 2375-2391	3.291	28
389	The Composites of Graphene Oxide with Metal or Semimetal Nanoparticles and Their Effect on Pathogenic Microorganisms. <i>Materials</i> , 2015 , 8, 2994-3011	3.5	28
388	An acetylcholinesterase-based chronoamperometric biosensor for fast and reliable assay of nerve agents. <i>Sensors</i> , 2013 , 13, 11498-506	3.8	28
387	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, 270-6	2.3	28
386	Affecting of aquatic vascular plant <i>Lemna minor</i> by cisplatin revealed by voltammetry. <i>Bioelectrochemistry</i> , 2008 , 72, 59-65	5.6	28
385	Inkjet-printed electrochemically reduced graphene oxide microelectrode as a platform for HT-2 mycotoxin immunoenzymatic biosensing. <i>Biosensors and Bioelectronics</i> , 2020 , 156, 112109	11.8	27
384	Magnetic molecularly imprinted polymers used for selective isolation and detection of <i>Staphylococcus aureus</i> . <i>Food Chemistry</i> , 2020 , 321, 126673	8.5	27

383	Fullerene as a transporter for doxorubicin investigated by analytical methods and in vivo imaging. <i>Electrophoresis</i> , 2014 , 35, 1040-9	3.6	27
382	Assays for determination of matrix metalloproteinases and their activity. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1819-1832	14.6	27
381	Study of metallothionein oxidation by using of chip CE. <i>Electrophoresis</i> , 2009 , 30, 4029-33	3.6	27
380	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	27
379	Electrochemical Determination of Low Molecular Mass Thiols Content in Potatoes (<i>Solanum tuberosum</i>) Cultivated in the Presence of Various Sulphur Forms and Infected by Late Blight (<i>Phytophthora infestans</i>). <i>Sensors</i> , 2008 , 8, 3165-3182	3.8	27
378	Palladium Biosensor. <i>Electroanalysis</i> , 2007 , 19, 1909-1914	3	27
377	Application of molecularly imprinted polymers as artificial receptors for imaging. <i>Acta Biomaterialia</i> , 2020 , 101, 444-458	10.8	27
376	Determination of common urine substances as an assay for improving prostate carcinoma diagnostics. <i>Oncology Reports</i> , 2014 , 31, 1846-54	3.5	26
375	Comparison of Metallothionein Detection by Using Brdicka Reaction and Enzyme-Linked Immunosorbent Assay Employing Chicken Yolk Antibodies. <i>Electroanalysis</i> , 2009 , 21, 2575-2583	3	26
374	Zeptomole Detection of Streptavidin Using Carbon Paste Electrode and Square-Wave Voltammetry. <i>Electroanalysis</i> , 2007 , 19, 1177-1182	3	26
373	Synthesis of carbon quantum dots for DNA labeling and its electrochemical, fluorescent and electrophoretic characterization. <i>Chemical Papers</i> , 2015 , 69,	1.9	25
372	Lead toxicosis of captive vultures: case description and responses to chelation therapy. <i>BMC Veterinary Research</i> , 2013 , 9, 11	2.7	25
371	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, 2201-7	11.8	25
370	Automated nucleic acids isolation using paramagnetic microparticles coupled with electrochemical detection. <i>Talanta</i> , 2009 , 79, 402-11	6.2	25
369	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	3	25
368	Study of Interaction between Metallothionein and CdTe Quantum Dots. <i>Chromatographia</i> , 2013 , 76, 345-353	3.5	24
367	Interaction of Heavy Metal Ions with Carbon and Iron Based Particles. <i>Materials</i> , 2014 , 7, 2242-2256	3.5	24
366	Paramagnetic particles coupled with an automated flow injection analysis as a tool for influenza viral protein detection. <i>Electrophoresis</i> , 2012 , 33, 3195-204	3.6	24

365	Electrochemical speciation analysis for simultaneous determination of Cr(iii) and Cr(vi) using an activated glassy carbon electrode. <i>Analyst, The</i> , 2016 , 141, 5577-85	5	23
364	Antiviral activity of fullerene C60 nanocrystals modified with derivatives of anionic antimicrobial peptide maximin H5. <i>Monatshefte Für Chemie</i> , 2016 , 147, 905-918	1.4	23
363	Prostate-Specific Membrane Antigen-Targeted Site-Directed Antibody-Conjugated Apoferritin Nanovehicle Favorably Influences In Vivo Side Effects of Doxorubicin. <i>Scientific Reports</i> , 2018 , 8, 8867	4.9	23
362	Amperometric Sensor for Detection of Chloride Ions. <i>Sensors</i> , 2008 , 8, 5619-5636	3.8	23
361	Flow Injection Analysis Coupled with Carbon Electrodes as the Tool for Analysis of Naphthoquinones with Respect to Their Content and Functions in Biological Samples. <i>Sensors</i> , 2006 , 6, 1466-1482	3.8	23
360	Algal metabolites: An inevitable substitute for antibiotics. <i>Biotechnology Advances</i> , 2020 , 43, 107571	17.8	22
359	Application of CdTe/ZnSe quantum dots in in vitro imaging of chicken tissue and embryo. <i>Photochemistry and Photobiology</i> , 2015 , 91, 417-23	3.6	22
358	Modulation of induced cytotoxicity of doxorubicin by using apoferritin and liposomal cages. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 22960-77	6.3	22
357	Effect of magnetic nanoparticles on tobacco BY-2 cell suspension culture. <i>International Journal of Environmental Research and Public Health</i> , 2012 , 10, 47-71	4.6	22
356	Microfluidic chip coupled with modified paramagnetic particles for sarcosine isolation in urine. <i>Electrophoresis</i> , 2013 , 34, 2639-47	3.6	22
355	Forage as a primary source of mycotoxins in animal diets. <i>International Journal of Environmental Research and Public Health</i> , 2011 , 8, 37-50	4.6	22
354	Electrophoretic fingerprint metallothionein analysis as a potential prostate cancer biomarker. <i>Electrophoresis</i> , 2011 , 32, 1952-61	3.6	22
353	Possibilities of electrochemical techniques in metallothionein and lead detection in fish tissues. <i>Czech Journal of Animal Science</i> , 2008 , 52, 143-148	1.1	22
352	A Fluorimetric Sensor for Detection of One Living Cell. <i>Sensors</i> , 2007 , 7, 222-238	3.8	22
351	Analysis of salicylic acid in willow barks and branches by an electrochemical method. <i>Russian Journal of Plant Physiology</i> , 2007 , 54, 553-558	1.6	22
350	Active Light-Powered Antibiofilm ZnO Micromotors with Chemically Programmable Properties. <i>Advanced Functional Materials</i> , 2021 , 31, 2101178	15.6	22
349	Nanocomposite Furcellaran Films-the Influence of Nanofillers on Functional Properties of Furcellaran Films and Effect on Linseed Oil Preservation. <i>Polymers</i> , 2019 , 11,	4.5	22
348	Structural effects and nanoparticle size are essential for quantum dots-metallothionein complex formation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 134, 262-72	6	21

347	Electrophoretic study of peptide-mediated quantum dot-human immunoglobulin bioconjugation. <i>Electrophoresis</i> , 2013 , 34, 2725-32	3.6	21
346	3D-printed biosensor with poly(dimethylsiloxane) reservoir for magnetic separation and quantum dots-based immunolabeling of metallothionein. <i>Electrophoresis</i> , 2015 , 36, 1256-64	3.6	21
345	A novel insight into the cardiotoxicity of antineoplastic drug doxorubicin. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 21629-46	6.3	21
344	Voltammetry as a tool for characterization of CdTe quantum dots. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 13497-510	6.3	21
343	Effects of redox conditions and zinc(II) ions on metallothionein aggregation revealed by chip capillary electrophoresis. <i>Journal of Chromatography A</i> , 2010 , 1217, 7966-71	4.5	21
342	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 (<i>Picea abies</i> /L./ Karst.). <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 383, 576-86	4.4	21
341	Reduction of Doxorubicin-Induced Cardiotoxicity Using Nanocarriers: A Review. <i>Current Drug Metabolism</i> , 2017 , 18, 237-263	3.5	21
340	Improved Electrochemical Detection of Zinc Ions Using Electrode Modified with Electrochemically Reduced Graphene Oxide. <i>Materials</i> , 2016 , 9,	3.5	21
339	An insight into the complex roles of metallothioneins in malignant diseases with emphasis on (sub)isoforms/isoforms and epigenetics phenomena. <i>Pharmacology & Therapeutics</i> , 2018 , 183, 90-117	13.9	20
338	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	4.9	20
337	Remote-controlled robotic platform ORPHEUS as a new tool for detection of bacteria in the environment. <i>Electrophoresis</i> , 2014 , 35, 2333-45	3.6	20
336	Interactions between CdTe quantum dots and DNA revealed by capillary electrophoresis with laser-induced fluorescence detection. <i>Electrophoresis</i> , 2014 , 35, 2587-92	3.6	20
335	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	5.8	20
334	Monitoring of the prostate tumour cells redox state and real-time proliferation by novel biophysical techniques and fluorescent staining. <i>Integrative Biology (United Kingdom)</i> , 2012 , 4, 672-84	3.7	20
333	Biotin-modified glutathione as a functionalized coating for bioconjugation of CdTe-based quantum dots. <i>Electrophoresis</i> , 2011 , 32, 1619-22	3.6	20
332	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	2.7	20
331	Serum metallothionein in newly diagnosed patients with childhood solid tumours.. <i>Acta Biochimica Polonica</i> , 2010 , 57,	2	20
330	Review Electrochemical Sensors and Biosensors for Determination of Mercury Ions. <i>Journal of the Electrochemical Society</i> , 2018 , 165, B824-B834	3.9	20

329	Determination of chromium(VI) by anodic stripping voltammetry using a silver-plated glassy carbon electrode. <i>Analytical Methods</i> , 2018 , 10, 2917-2923	3.2	20
328	Spatial mapping of metals in tissue-sections using combination of mass-spectrometry and histology through image registration. <i>Scientific Reports</i> , 2017 , 7, 40169	4.9	19
327	Effect of fluoranthene on plant cell model: Tobacco BY-2 suspension culture. <i>Environmental and Experimental Botany</i> , 2012 , 78, 117-126	5.9	19
326	Microfluidic tool based on the antibody-modified paramagnetic particles for detection of 8-hydroxy-2'-deoxyguanosine in urine of prostate cancer patients. <i>Electrophoresis</i> , 2011 , 32, 3207-20	3.6	19
325	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, 3804-15	4.6	19
324	A Determination of Metallothionein in Larvae of Freshwater Midges (<i>Chironomus riparius</i>) Using Brdicka Reaction. <i>Sensors</i> , 2008 , 8, 4081-4094	3.8	19
323	Electrochemical and spectrometric study of antioxidant activity of pomiferin, isopomiferin, osajin and catalposide. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 48, 127-33	3.5	19
322	Graphene oxide as a tool for antibiotic-resistant gene removal: a review. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 20148-20163	5.1	18
321	Nanotechnologies in protein microarrays. <i>Nanomedicine</i> , 2015 , 10, 2743-55	5.6	18
320	Metallothionein isoforms as double agents - Their roles in carcinogenesis, cancer progression and chemoresistance. <i>Drug Resistance Updates</i> , 2020 , 52, 100691	23.2	18
319	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	9.3	18
318	The effects of red grape pomace inclusion in grower diet on amino acid digestibility, intestinal microflora, and sera and liver antioxidant activity in broilers. <i>Turkish Journal of Veterinary and Animal Sciences</i> , 2015 , 39, 406-412	0.6	18
317	Evaluation of alpha-methylacyl-CoA racemase, metallothionein and prostate specific antigen as prostate cancer prognostic markers. <i>Neoplasma</i> , 2012 , 59, 191-201	3.3	18
316	Comparison of various easy-to-use procedures for extraction of phenols from apricot fruits. <i>Molecules</i> , 2011 , 16, 2914-36	4.8	18
315	From amino acids to proteins as targets for metal-based drugs. <i>Current Drug Metabolism</i> , 2012 , 13, 306-305	20.5	18
314	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	18
313	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	2.7	18
312	Assessment of CdS quantum dots effect on UV damage to DNA using a DNA/quantum dots structured electrochemical biosensor and DNA biosensing in solution. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 435-444	8.5	17

311	Zinc phosphate-based nanoparticles as a novel antibacterial agent: study on rats after dietary exposure. <i>Journal of Animal Science and Biotechnology</i> , 2019 , 10, 17	6	17
310	Capillary electrophoresis of quantum dots: minireview. <i>Electrophoresis</i> , 2014 , 35, 1929-37	3.6	17
309	The effects on soil/water/plant/animal systems by platinum group elements. <i>Open Chemistry</i> , 2012 , 10, 1369-1382	1.6	17
308	Investigation of interaction between magnetic silica particles and lambda phage DNA fragment. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 86, 65-72	3.5	17
307	Oxidative Stress Resistance in Metastatic Prostate Cancer: Renewal by Self-Eating. <i>PLoS ONE</i> , 2015 , 10, e0145016	3.7	17
306	Effect of cadmium chloride on metallothionein levels in carp. <i>Sensors</i> , 2009 , 9, 4789-803	3.8	17
305	A sensor for investigating the interaction between biologically important heavy metals and glutathione. <i>Czech Journal of Animal Science</i> , 2008 , 52, 37-43	1.1	17
304	Metallothionein as a Scavenger of Free Radicals - New Cardioprotective Therapeutic Agent or Initiator of Tumor Chemoresistance?. <i>Current Drug Targets</i> , 2016 , 17, 1438-51	3	17
303	Intelligent and active composite films based on furcellaran: Structural characterization, antioxidant and antimicrobial activities. <i>Food Packaging and Shelf Life</i> , 2019 , 22, 100405	8.2	16
302	Biosynthesis of Quantum Dots (CdTe) and its Effect on Eisenia fetida and Escherichia coli. <i>Chromatographia</i> , 2014 , 77, 1441-1449	2.1	16
301	Structural changes in metallothionein isoforms revealed by capillary electrophoresis and Brdicka reaction. <i>Electrophoresis</i> , 2012 , 33, 270-9	3.6	16
300	Advanced nanotechnologies in avian influenza: Current status and future trends - A review. <i>Analytica Chimica Acta</i> , 2017 , 983, 42-53	6.6	16
299	Gold nanoparticles-modified nanomagnetite and quantum dots-based hybridization assay for detection of HPV. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 503-510	8.5	16
298	Square-Wave Voltammetry as a Tool for Investigation of Doxorubicin Interactions with DNA Isolated from Neuroblastoma Cells. <i>Electroanalysis</i> , 2009 , 21, 487-494	3	16
297	Uncommon Heavy Metals, Metalloids and Their Plant Toxicity: A Review. <i>Sustainable Agriculture Reviews</i> , 2009 , 275-317	1.3	16
296	Size-related cytotoxicological aspects of polyvinylpyrrolidone-capped platinum nanoparticles. <i>Food and Chemical Toxicology</i> , 2017 , 105, 337-346	4.7	16
295	Metallothioneins in Prion- and Amyloid-Related Diseases. <i>Journal of Alzheimer's Disease</i> , 2016 , 51, 637-643	4.3	16
294	Guidelines for Homology Modeling of Dopamine, Norepinephrine, and Serotonin Transporters. <i>ACS Chemical Neuroscience</i> , 2016 , 7, 1607-1613	5.7	16

293	Novel vancomycin-peptide conjugate as potent antibacterial agent against vancomycin-resistant. <i>Infection and Drug Resistance</i> , 2018 , 11, 1807-1817	4.2	16
292	Amino Acid Profiling of Zinc Resistant Prostate Cancer Cell Lines: Associations With Cancer Progression. <i>Prostate</i> , 2017 , 77, 604-616	4.2	15
291	Co-delivery of VP-16 and Bcl-2-targeted antisense on PEG-grafted oMWCNTs for synergistic in vitro anti-cancer effects in non-small and small cell lung cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 150, 131-140	6	15
290	Study of Streptavidin-Modified Quantum Dots by Capillary Electrophoresis. <i>Chromatographia</i> , 2013 , 76, 335-343	2.1	15
289	Capillary electrophoresis and nanomaterials - Part I: Capillary electrophoresis of nanomaterials. <i>Electrophoresis</i> , 2017 , 38, 2389-2404	3.6	15
288	Electrophoretic and chromatographic evaluation of transgenic barley expressing a bacterial dihydrodipicolinate synthase. <i>Electrophoresis</i> , 2012 , 33, 2365-73	3.6	15
287	Study of Interactions between Metallothionein and Cisplatin by using Differential Pulse Voltammetry Brdickā reaction and Quartz Crystal Microbalance. <i>Sensors</i> , 2009 , 9, 1355-69	3.8	15
286	Effects of Reduced Glutathione, Surface Active Agents, and Ionic Strength on the Detection of Metallothioneins by Using of Brdicka Reaction. <i>Electroanalysis</i> , 2009 , 21, 640-644	3	15
285	Protein-based electrochemical biosensor for detection of silver(I) ions. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 492-6	3.8	15
284	Shapes of Differential Pulse Voltammograms and Level of Metallothionein at Different Animal Species. <i>Sensors</i> , 2007 , 7, 2419-2429	3.8	15
283	MALDI MSI of MeLiM melanoma: Searching for differences in protein profiles. <i>PLoS ONE</i> , 2017 , 12, e0189395	3.7	15
282	Peptide-based electrochemical biosensors utilized for protein detection. <i>Biosensors and Bioelectronics</i> , 2021 , 180, 113087	11.8	15
281	The Zinc-Schiff Base-Novocidin Complex as a Potential Prostate Cancer Therapy. <i>PLoS ONE</i> , 2016 , 11, e0163983	3.7	15
280	The Isolation of DNA by Polycharged Magnetic Particles: An Analysis of the Interaction by Zeta Potential and Particle Size. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	15
279	CdS quantum dots-based immunoassay combined with particle imprinted polymer technology and laser ablation ICP-MS as a versatile tool for protein detection. <i>Scientific Reports</i> , 2019 , 9, 11840	4.9	14
278	Prostate cancer-specific hallmarks of amino acids metabolism: Towards a paradigm of precision medicine. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2019 , 1871, 248-258	11.2	14
277	A 3D microfluidic chip for electrochemical detection of hydrolysed nucleic bases by a modified glassy carbon electrode. <i>Sensors</i> , 2015 , 15, 2438-52	3.8	14
276	The strong reaction of simple phenolic acids during oxidative stress caused by nickel, cadmium and copper in the microalga <i>Scenedesmus quadricauda</i> . <i>New Biotechnology</i> , 2019 , 48, 66-75	6.4	14

275	Development of a magnetic electrochemical bar code array for point mutation detection in the H5N1 neuraminidase gene. <i>Viruses</i> , 2013 , 5, 1719-39	6.2	14
274	Trk Receptors and Neurotrophin Cross-Interactions: New Perspectives Toward Manipulating Therapeutic Side-Effects. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 130	6.1	14
273	Immunoextraction of zinc proteins from human plasma using chicken yolk antibodies immobilized onto paramagnetic particles and their electrophoretic analysis. <i>Electrophoresis</i> , 2012 , 33, 1824-32	3.6	14
272	Beads-based electrochemical assay for the detection of influenza hemagglutinin labeled with CdTe quantum dots. <i>Molecules</i> , 2013 , 18, 15573-86	4.8	14
271	Phytohormones as important biologically active molecules--their simple simultaneous detection. <i>Molecules</i> , 2009 , 14, 1825-39	4.8	14
270	Silver(I) ions ultrasensitive detection at carbon electrodes-analysis of waters, tobacco cells and fish tissues. <i>Sensors</i> , 2009 , 9, 6934-50	3.8	14
269	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, 806-14	3.5	14
268	Metallothionein levels in sperm of various fish species. <i>Journal of Applied Ichthyology</i> , 2008 , 24, 522-525	0.9	14
267	Synergistic Effect of Chitosan and Selenium Nanoparticles on Biodegradation and Antibacterial Properties of Collagenous Scaffolds Designed for Infected Burn Wounds. <i>Nanomaterials</i> , 2020 , 10,	5.4	14
266	Folic acid-mediated re-shuttling of ferritin receptor specificity towards a selective delivery of highly cytotoxic nickel(II) coordination compounds. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 1099-1111	7.9	14
265	Nanomaterials with active targeting as advanced antimicrobials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e1636	9.2	13
264	Antimicrobial Agent Based on Selenium Nanoparticles and Carboxymethyl Cellulose for the Treatment of Bacterial Infections. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 767-777	4	13
263	Application of the Enzymatic Electrochemical Biosensors for Monitoring Non-Competitive Inhibition of Enzyme Activity by Heavy Metals. <i>Sensors</i> , 2019 , 19,	3.8	13
262	Study of metallothionein-quantum dots interactions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 117, 534-7	6	13
261	Integrated chip electrophoresis and magnetic particle isolation used for detection of hepatitis B virus oligonucleotides. <i>Electrophoresis</i> , 2013 , 34, 1548-54	3.6	13
260	Cytochrome plays a dual role in the reaction cycle of cytochrome P450 3A4 during oxidation of the anticancer drug ellipticine. <i>Monatshefte Für Chemie</i> , 2017 , 148, 1983-1991	1.4	13
259	Automated assay of the potency of natural antioxidants using pipetting robot and spectrophotometry. <i>Journal of Applied Biomedicine</i> , 2012 , 10, 155-167	0.6	13
258	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	1.5	13

257	Influence of Cadmium(II) Ions and Brewery Sludge on Metallothionein Level in Earthworms (<i>Eisenia fetida</i>) - Bio- transforming of Toxic Wastes. <i>Sensors</i> , 2008 , 8, 1039-1047	3.8	13
256	Resolution of Overlapped Reduction Signals in Short Hetero-oligonucleotides by Elimination Voltammetry. <i>Electroanalysis</i> , 2007 , 19, 348-355	3	13
255	Real-Time Visualization of Cell Membrane Damage Using Gadolinium-Schiff Base Complex-Doped Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35859-35868	9.5	13
254	A critical comparison of natural enzymes and nanozymes in biosensing and bioassays. <i>Biosensors and Bioelectronics</i> , 2021 , 192, 113494	11.8	13
253	Fabrication of Graphene/Molybdenum Disulfide Composites and Their Usage as Actuators for Electrochemical Sensors and Biosensors. <i>Molecules</i> , 2019 , 24,	4.8	12
252	Zinc phosphate-based nanoparticles as alternatives to zinc oxide in diet of weaned piglets. <i>Journal of Animal Science and Biotechnology</i> , 2020 , 11, 59	6	12
251	Complex cytotoxicity mechanism of bundles formed from self-organised 1-D anodic TiO nanotubes layers. <i>Journal of Hazardous Materials</i> , 2020 , 388, 122054	12.8	12
250	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	5.1	12
249	DNA interaction with zinc(II) ions. <i>International Journal of Biological Macromolecules</i> , 2014 , 64, 281-7	7.9	12
248	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	3.1	12
247	An Effect of Cadmium and Lead Ions on <i>Escherichia coli</i> with the Cloned Gene for Metallothionein (MT-3) Revealed by Electrochemistry. <i>Electrochimica Acta</i> , 2014 , 140, 11-19	6.7	12
246	Vacuolar-ATPase-mediated intracellular sequestration of ellipticine contributes to drug resistance in neuroblastoma cells. <i>International Journal of Oncology</i> , 2015 , 47, 971-80	4.4	12
245	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	3.4	12
244	Tissue specific electrochemical fingerprinting. <i>PLoS ONE</i> , 2012 , 7, e49654	3.7	12
243	Behaviour of zinc complexes and zinc sulphide nanoparticles revealed by using screen printed electrodes and spectrometry. <i>Sensors</i> , 2013 , 13, 14417-37	3.8	12
242	Chip gel electrophoresis as a tool for study of matrix metalloproteinase 9 interaction with metallothionein. <i>Electrophoresis</i> , 2011 , 32, 857-60	3.6	12
241	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	3.8	12
240	Bio-Assessing of Environmental Pollution via Monitoring of Metallothionein Level Using Electrochemical Detection. <i>IEEE Sensors Journal</i> , 2008 , 8, 1578-1585	4	12

239	Encapsulation of Doxorubicin in Furcellaran/Chitosan Nanocapsules by Layer-by-Layer Technique for Selectively Controlled Drug Delivery. <i>Biomacromolecules</i> , 2020 , 21, 418-434	6.9	12
238	Homology modeling in the time of collective and artificial intelligence. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 3494-3506	6.8	12
237	Serum metallothionein in newly diagnosed patients with childhood solid tumours. <i>Acta Biochimica Polonica</i> , 2010 , 57, 561-6	2	12
236	Molecularly imprinted polymers coupled to mass spectrometric detection for metallothionein sensing. <i>Talanta</i> , 2019 , 198, 224-229	6.2	11
235	Ellipticine-loaded apoferritin nanocarrier retains DNA adduct-based cytochrome P450-facilitated toxicity in neuroblastoma cells. <i>Toxicology</i> , 2019 , 419, 40-54	4.4	11
234	Zinc and zinc-containing biomolecules in childhood brain tumors. <i>Journal of Molecular Medicine</i> , 2016 , 94, 1199-1215	5.5	11
233	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	2.6	11
232	Gold nanoparticles as labels for immunochemical analysis using laser ablation inductively coupled plasma mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 559-564	4.4	11
231	Effects of Stratospheric Conditions on the Viability, Metabolism and Proteome of Prokaryotic Cells. <i>Atmosphere</i> , 2015 , 6, 1290-1306	2.7	11
230	Study of DNA-ellipticine interaction by capillary electrophoresis with laser-induced fluorescence detection. <i>Electrophoresis</i> , 2012 , 33, 1545-9	3.6	11
229	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	2.1	11
228	Changes in metallothionein level in rat hepatic tissue after administration of natural mouldy wheat. <i>International Journal of Molecular Sciences</i> , 2009 , 10, 1138-60	6.3	11
227	The determination of avidin in genetically modified maize by voltammetric techniques. <i>Plant, Soil and Environment</i> , 2008 , 53, 345-349	2.2	11
226	Cell death induced by sodium nitroprusside and hydrogen peroxide in tobacco BY-2 cell suspension. <i>Biologia Plantarum</i> , 2007 , 51, 472-479	2.1	11
225	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, 679-90	4.2	11
224	Antioxidant, gene expression and metabolomics fingerprint analysis of <i>Arabidopsis thaliana</i> treated by foliar spraying of ZnSe quantum dots and their growth inhibition of <i>Agrobacterium tumefaciens</i> . <i>Journal of Hazardous Materials</i> , 2019 , 365, 932-941	12.8	11
223	Identification of Human Enzymes Oxidizing the Anti-Thyroid-Cancer Drug Vandetanib and Explanation of the High Efficiency of Cytochrome P450 3A4 in its Oxidation. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	10
222	Doxorubicin Encapsulation Investigated by Capillary Electrophoresis with Laser-Induced Fluorescence Detection. <i>Chromatographia</i> , 2014 , 77, 1469-1476	2.1	10

221	Metal Transporters in Plants 2013 , 19-41		10
220	Visualization of stable ferritin complexes with palladium, rhodium and iridium nanoparticles detected by their catalytic activity in native polyacrylamide gels. <i>Dalton Transactions</i> , 2017 , 46, 13690-13694	4.3	10
219	Targeting Neuroblastoma Cell Surface Proteins: Recommendations for Homology Modeling of hNET, ALK, and TrkB. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 7	6.1	10
218	Microfluidic tool coupled with electrochemical assay for detection of lactoferrin isolated by antibody-modified paramagnetic beads. <i>Electrophoresis</i> , 2013 , 34, 2120-8	3.6	10
217	Isolation of metallothionein from cells derived from aggressive form of high-grade prostate carcinoma using paramagnetic antibody-modified microbeads off-line coupled with electrochemical and electrophoretic analysis. <i>Electrophoresis</i> , 2011 , 32, 3576-88	3.6	10
216	Content of cysteine, reduced and oxidized glutathione in spermatozoa of representatives of Acipenseriformes (<i>Acipenser baerii</i> and <i>A. ruthenus</i>) as well as teleosts (<i>Perca fluviatilis</i> and <i>Sander lucioperca</i>). <i>Journal of Applied Ichthyology</i> , 2008 , 24, 519-521	0.9	10
215	Hazards of Secondary Bromadiolone Intoxications Evaluated using High-performance Liquid Chromatography with Electrochemical Detection. <i>Sensors</i> , 2007 , 7, 1271-1286	3.8	10
214	Specific Magnetic Isolation of E6 HPV16 Modified Magnetizable Particles Coupled with PCR and Electrochemical Detection. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	10
213	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	10
212	Alternative Synthesis Route of Biocompatible Polyvinylpyrrolidone Nanoparticles and Their Effect on Pathogenic Microorganisms. <i>Molecular Pharmaceutics</i> , 2017 , 14, 221-233	5.6	9
211	Fully automated process for histamine detection based on magnetic separation and fluorescence detection. <i>Talanta</i> , 2020 , 212, 120789	6.2	9
210	Detection of ROS Generated by UV-C Irradiation of CdS Quantum Dots and their Effect on Damage to Chromosomal and Plasmid DNA. <i>Electroanalysis</i> , 2018 , 30, 698-704	3	9
209	Particle-based immunochemical separation of methicillin resistant <i>Staphylococcus aureus</i> with indirect electrochemical detection of labeling oligonucleotides. <i>Analytical Methods</i> , 2016 , 8, 5123-5128	3.2	9
208	CE and nanomaterials - Part II: Nanomaterials in CE. <i>Electrophoresis</i> , 2017 , 38, 2405-2430	3.6	9
207	Microwave-Assisted Synthesis of Goethite Nanoparticles Used for Removal of Cr(VI) from Aqueous Solution. <i>Materials</i> , 2017 , 10,	3.5	9
206	SDS-PAGE as a Tool for Hydrodynamic Diameter-Dependent Separation of Quantum Dots. <i>Chromatographia</i> , 2015 , 78, 785-793	2.1	9
205	Influence of microbiome species in hard-to-heal wounds on disease severity and treatment duration. <i>Brazilian Journal of Infectious Diseases</i> , 2015 , 19, 604-13	2.8	9
204	Can <i>Festulolium</i> , <i>Dactylis glomerata</i> and <i>Arrhenatherum elatius</i> be used for extension of the autumn grazing season in Central Europe?. <i>Plant, Soil and Environment</i> , 2010 , 56, 488-498	2.2	9

203	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, 4826-42	6.3	9
202	Chronopotentiometric Stripping Analysis of Gelatinase B, Collagen and Their Interaction. <i>Electroanalysis</i> , 2009 , 21, 536-541	3	9
201	An influence of cisplatin on the cell culture of Nicotiana tabacum BY-2. <i>Plant, Soil and Environment</i> , 2008 , 53, 350-354	2.2	9
200	Miniaturized electrochemical detector as a tool for detection of DNA amplified by PCR. <i>Electrophoresis</i> , 2008 , 29, 4964-71	3.6	9
199	Metal Containing Cytostatics and Their Interaction with Cellular Thiol Compounds Causing Chemoresistance. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2016 , 16, 686-98	2.2	9
198	Automation of Methods for Determination of Lipid Peroxidation		9
197	Sarcosine is a prostate epigenetic modifier that elicits aberrant methylation patterns through the SAME-Dnmts axis. <i>Molecular Oncology</i> , 2019 , 13, 1002-1017	7.9	9
196	Bioavailability of mercury in contaminated soils assessed by the diffusive gradient in thin film technique in relation to uptake by Miscanthus ligiganteus. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 321-328	3.8	9
195	Mass spectrometric imaging of cysteine rich proteins in human skin. <i>International Journal of Biological Macromolecules</i> , 2019 , 125, 270-277	7.9	9
194	Dual-color quantum dots-based simultaneous detection of HPV-HIV co-infection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 258, 295-303	8.5	9
193	Modulation of human cytochrome P450 1A1-mediated oxidation of benzo[a]pyrene by NADPH:cytochrome P450 oxidoreductase and cytochrome b5. <i>Neuroendocrinology Letters</i> , 2014 , 35 Suppl 2, 105-13	0.3	9
192	Rapid preparation of self-assembled CdTe quantum dots used for sensing of DNA in urine. <i>New Journal of Chemistry</i> , 2018 , 42, 6005-6012	3.6	8
191	Fluorescence resonance energy transfer between green fluorescent protein and doxorubicin enabled by DNA nanotechnology. <i>Electrophoresis</i> , 2014 , 35, 3290-301	3.6	8
190	Spectrometric and Chromatographic Study of Reactive Oxidants Hypochlorous and Hypobromous Acids and Their Interactions with Taurine. <i>Chromatographia</i> , 2013 , 76, 363-373	2.1	8
189	Molecular response of 4T1-induced mouse mammary tumours and healthy tissues to zinc treatment. <i>International Journal of Oncology</i> , 2015 , 46, 1810-8	4.4	8
188	In vitro interactions between 17 β estradiol and DNA result in formation of the hormone-DNA complexes. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 7725-39	4.6	8
187	Isolation of Biogenic Amines Using Paramagnetic Microparticles Off-Line Coupled with Ion Exchange Liquid Chromatography. <i>Chromatographia</i> , 2014 , 77, 1451-1459	2.1	8
186	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	0.6	8

185	Tularemia progression accompanied with oxidative stress and antioxidant alteration in spleen and liver of BALB/c mice. <i>Journal of Microbiology</i> , 2012 , 50, 401-8	3	8
184	Carbon composite micro- and nano-tubes-based electrodes for detection of nucleic acids. <i>Nanoscale Research Letters</i> , 2011 , 6, 385	5	8
183	Electrochemical Investigation of Strontium-Metallothionein Interactions in Analysis of Serum and Urine of Patients with Osteoporosis. <i>Electroanalysis</i> , 2009 , 21, 650-656	3	8
182	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	2.8	8
181	Determination of bromadiolone in pheasants and foxes by differential pulse voltammetry. <i>International Journal of Environmental Analytical Chemistry</i> , 2007 , 87, 459-469	1.8	8
180	Blood coagulation times in the European brown hare (<i>Lepus europaeus</i>). <i>Veterinary Clinical Pathology</i> , 2007 , 36, 361-3	1	8
179	Exposure to 17 β -Estradiol Induces Oxidative Stress in the Non-Oestrogen Receptor Invertebrate Species <i>Eisenia fetida</i> . <i>PLoS ONE</i> , 2015 , 10, e0145426	3.7	8
178	Comparative gene expression profiling of human metallothionein-3 up-regulation in neuroblastoma cells and its impact on susceptibility to cisplatin. <i>Oncotarget</i> , 2018 , 9, 4427-4439	3.3	8
177	Antioxidant status of rats' blood and liver affected by sodium selenite and selenium nanoparticles. <i>PeerJ</i> , 2018 , 6, e4862	3.1	8
176	Exceptional release kinetics and cytotoxic selectivity of oxidised MWCNTs double-functionalised with doxorubicin and prostate-homing peptide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 156, 123-132	6	8
175	Cytochrome P450 and flavin-containing monooxygenase enzymes are responsible for differential oxidation of the anti-thyroid-cancer drug vandetanib by human and rat hepatic microsomal systems. <i>Environmental Toxicology and Pharmacology</i> , 2020 , 74, 103310	5.8	8
174	Mass Spectrometry-Based Structural Analysis of Cysteine-Rich Metal-Binding Sites in Proteins with MetaOdysseus R Software. <i>Journal of Proteome Research</i> , 2021 , 20, 776-785	5.6	8
173	Nanomedicine of tyrosine kinase inhibitors. <i>Theranostics</i> , 2021 , 11, 1546-1567	12.1	8
172	Real-time monitoring of the UV-induced formation of quantum dots on a milliliter, microliter, and nanoliter scale. <i>Mikrochimica Acta</i> , 2017 , 184, 1489-1497	5.8	7
171	Rotamer Dynamics: Analysis of Rotamers in Molecular Dynamics Simulations of Proteins. <i>Biophysical Journal</i> , 2019 , 116, 2062-2072	2.9	7
170	Identification of Sarcosine as a Target Molecule for the Canine Olfactory Detection of Prostate Carcinoma. <i>Scientific Reports</i> , 2018 , 8, 4958	4.9	7
169	Fe ₂ O ₃ Nanoparticles Covered with Glutathione-Modified Quantum Dots as a Fluorescent Nanotransporter. <i>Chromatographia</i> , 2014 , 77, 1415-1423	2.1	7
168	KRAS NF- κ B is involved in the development of zinc resistance and reduced curability in prostate cancer. <i>Metallomics</i> , 2014 , 6, 1240-53	4.5	7

167	Glutathione modified CdTe quantum dots as a label for studying DNA interactions with platinum based cytostatics. <i>Electrophoresis</i> , 2013 , 34, 801-8	3.6	7
166	Isolation of Xis Gen Fragment of λ Phage from Agarose Gel Using Magnetic Particles for Subsequent Enzymatic DNA Sequencing. <i>Chromatographia</i> , 2013 , 76, 329-334	2.1	7
165	Rapid superparamagnetic-beads-based automated immunoseparation of Zn-proteins from Staphylococcus aureus with nanogram yield. <i>Electrophoresis</i> , 2013 , 34, 224-34	3.6	7
164	Anticarcinogenic Effect of Spices Due to Phenolic and Flavonoid Compounds-In Vitro Evaluation on Prostate Cells. <i>Molecules</i> , 2017 , 22,	4.8	7
163	Complexes of Metal-Based Nanoparticles with Chitosan Suppressing the Risk of Staphylococcus aureus and Escherichia coli Infections 2015 , 217-232		7
162	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, 921-9	3.5	7
161	Differences in urinary proteins related to surgical margin status after radical prostatectomy. <i>Oncology Reports</i> , 2015 , 34, 3247-55	3.5	7
160	Trithiocyanurate complexes of iron, manganese and nickel and their anticholinesterase activity. <i>Molecules</i> , 2014 , 19, 4338-54	4.8	7
159	Quantum dots and prion proteins: is this a new challenge for neurodegenerative diseases imaging?. <i>Prion</i> , 2013 , 7, 349-58	2.3	7
158	Application of fluorimetric analysis of plant esterases to study of programmed cell death and effects of cadmium(II) ions. <i>Biologia Plantarum</i> , 2007 , 51, 551-555	2.1	7
157	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	2.1	7
156	Electrochemical study of ellipticine interaction with single and double stranded oligonucleotides. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2014 , 14, 331-40	2.2	7
155	Molecularly imprinted polymers and capillary electrophoresis for sensing phytoestrogens in milk. <i>Journal of Dairy Science</i> , 2020 , 103, 4941-4950	4	7
154	Biogenic amines and hygienic quality of lucerne silage. <i>Open Life Sciences</i> , 2016 , 11, 280-286	1.2	7
153	An Integrated Mass Spectrometry and Molecular Dynamics Simulations Approach Reveals the Spatial Organization Impact of Metal-Binding Sites on the Stability of Metal-Depleted Metallothionein-2 Species. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16486-16501	16.4	7
152	Electrochemical study of DNA damaged by oxidation stress. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013 , 16, 130-41	1.3	7
151	Transcriptomic Landscape of Cisplatin-Resistant Neuroblastoma Cells. <i>Cells</i> , 2019 , 8,	7.9	6
150	Study of linkage between glutathione pathway and the antibiotic resistance of Escherichia coli from patients' swabs. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 7210-29	6.3	6

149	The importance of selenium in fruit nutrition 2020 , 241-254		6
148	Effect of arsenic (III and V) on oxidative stress parameters in resistant and susceptible <i>Staphylococcus aureus</i> . <i>Environmental Research</i> , 2018 , 166, 394-401	7.9	6
147	Improving cytocompatibility of CdTe quantum dots by Schiff-base-coordinated lanthanides surface doping. <i>Journal of Nanobiotechnology</i> , 2018 , 16, 43	9.4	6
146	Effect of selenium in organic and inorganic form on liver, kidney, brain and muscle of Wistar rats. <i>Open Chemistry</i> , 2012 , 10, 1442-1451	1.6	6
145	Comparison of Biogenic Amines and Mycotoxins in Alfalfa and Red Clover Fodder Depending on Additives. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	6
144	Label-free bead-based metallothionein electrochemical immunosensor. <i>Electrophoresis</i> , 2015 , 36, 1894-904	9.0	6
143	The study of naphthoquinones and their complexes with DNA by using Raman spectroscopy and surface enhanced Raman spectroscopy: new insight into interactions of DNA with plant secondary metabolites. <i>BioMed Research International</i> , 2014 , 2014, 461393	3	6
142	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, 1637-48	3.6	6
141	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, 1304-11	4.6	6
140	How do grass species, season and ensiling influence mycotoxin content in forage?. <i>International Journal of Environmental Research and Public Health</i> , 2013 , 10, 6084-95	4.6	6
139	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	5.8	6
138	Cell toxicity and preparation of streptavidin-modified iron nanoparticles and glutathione-modified cadmium-based quantum dots. <i>Procedia Engineering</i> , 2010 , 5, 922-925		6
137	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	0.8	6
136	Metal- and Affinity-Specific Dual Labeling of Cysteine-Rich Proteins for Identification of Metal-Binding Sites. <i>Analytical Chemistry</i> , 2020 , 92, 12950-12958	7.8	6
135	Sarcosine influences apoptosis and growth of prostate cells via cell-type specific regulation of distinct sets of genes. <i>Prostate</i> , 2018 , 78, 104-112	4.2	6
134	Levels of heavy metals and their binding protein metallothionein in type 2 diabetics with kidney disease. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017 , 31, e21891	3.4	5
133	Nanomaterials for sample pretreatment prior to capillary electrophoretic analysis. <i>Analyst, The</i> , 2017 , 142, 849-857	5	5
132	Lycorine and UV-C stimulate phenolic secondary metabolites production and miRNA expression in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Hazardous Materials</i> , 2020 , 391, 122088	12.8	5

131	Short-sweep capillary electrophoresis with a selective zinc fluorescence imaging reagent FluoZin-3 for determination of free and metallothionein-2a-bound Zn ions. <i>Analytica Chimica Acta</i> , 2018 , 1017, 41-47	6.6	5
130	3D printed stratospheric probe as a platform for determination of DNA damage based on carbon quantum dots/DNA complex fluorescence increase. <i>Monatshefte Für Chemie</i> , 2016 , 147, 873-880	1.4	5
129	Paramagnetic Particles Isolation of Influenza Oligonucleotide Labelled with CdS QDs. <i>Chromatographia</i> , 2013 , 76, 355-362	2.1	5
128	Kinetic analysis of human metallothionein and CdTe quantum dot complexes using fluorescence and voltammetry techniques. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 160, 381-389	6	5
127	Use of nucleic acids anchor system to reveal apoferritin modification by cadmium telluride nanoparticles. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2109-2118	7.3	5
126	Label-free and amplification-free miR-124 detection in human cells. <i>International Journal of Oncology</i> , 2015 , 46, 871-7	4.4	5
125	Formation of DNA adducts by ellipticine and its micellar form in rats - a comparative study. <i>Sensors</i> , 2014 , 14, 22982-97	3.8	5
124	Identification of estrogen receptor proteins in breast cancer cells using matrix-assisted laser desorption/ionization time of flight mass spectrometry (Review). <i>Oncology Letters</i> , 2014 , 7, 1341-1344	2.6	5
123	Investigation into the effect of molds in grasses on their content of low molecular mass thiols. <i>International Journal of Environmental Research and Public Health</i> , 2012 , 9, 3789-805	4.6	5
122	Qualities of Native Apple Cultivar Juices Characteristic of Central Europe. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2012 , 40, 222	1.2	5
121	Effect of sarcosine on antioxidant parameters and metallothionein content in the PC-3 prostate cancer cell line. <i>Oncology Reports</i> , 2013 , 29, 2459-66	3.5	5
120	Antimicrobial nanomaterials in the food industry.. <i>KvasnĀPrĀhysl</i> , 2015 , 61, 51-56	1.3	5
119	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	0.8	5
118	UV-Induced Nanoparticles-Formation, Properties and Their Potential Role in Origin of Life. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
117	Metabolic and Amino Acid Alterations of the Tumor Microenvironment. <i>Current Medicinal Chemistry</i> , 2021 , 28, 1270-1289	4.3	5
116	Fully automated two-step assay for detection of metallothionein through magnetic isolation using functionalized Fe ₃ O ₄ particles. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1039, 17-27	3.2	5
115	Graphene oxide as a novel tool for mycotoxin removal. <i>Food Control</i> , 2021 , 121, 107611	6.2	5
114	Paperfluidic devices with a selective molecularly imprinted polymer surface for instrumentation-free distance-based detection of protein biomarkers. <i>Sensors and Actuators B: Chemical</i> , 2021 , 341, 129999	8.5	5

113	An enzymatic assay based on luciferase Ebola virus-like particles for evaluation of virolytic activity of antimicrobial peptides. <i>Peptides</i> , 2017 , 88, 87-96	3.8	4
112	pH-Responsive Hybrid Organic-Inorganic Ruthenium Nanoparticles for Controlled Release of Doxorubicin. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1700289	3.1	4
111	Electrochemical Evaluation of Selenium (IV) Removal from Its Aqueous Solutions by Unmodified and Modified Graphene Oxide. <i>Molecules</i> , 2019 , 24,	4.8	4
110	Graphene Oxide as a Nanocarrier for Biochemical Molecules: Current Understanding and Trends. <i>Processes</i> , 2020 , 8, 1636	2.9	4
109	A chemometric-assisted voltammetric analysis of free and Zn(II)-loaded metallothionein-3 states. <i>Bioelectrochemistry</i> , 2020 , 134, 107501	5.6	4
108	Determination of Trolox Equivalent Antioxidant Capacity in Berries Using Amperometric Tyrosinase Biosensor Based on Multi-Walled Carbon Nanotubes. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2497	2.6	4
107	Capillary electrophoresis-driven synthesis of water-soluble CdTe quantum dots in nanoliter scale. <i>Nanotechnology</i> , 2018 , 29, 165602	3.4	4
106	Bioconjugation of peptides using advanced nanomaterials to examine their interactions in 3D printed flow-through device. <i>Electrophoresis</i> , 2016 , 37, 444-54	3.6	4
105	One-step detection of human papilloma viral infection using quantum dot-nucleotide interaction specificity. <i>Talanta</i> , 2019 , 205, 120111	6.2	4
104	Liposomal nanotransporter for targeted binding based on nucleic acid anchor system. <i>Electrophoresis</i> , 2014 , 35, 393-404	3.6	4
103	DNA-magnetic Particle Binding Analysis by Dynamic and Electrophoretic Light Scattering. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	4
102	Interaction of E6 Gene from Human Papilloma Virus 16 (HPV-16) with CdS Quantum Dots. <i>Chromatographia</i> , 2014 , 77, 1433-1439	2.1	4
101	Modern bioanalysis of proteins by electrophoretic techniques. <i>Methods in Molecular Biology</i> , 2014 , 1129, 381-96	1.4	4
100	Capillary electromigration based techniques in diagnostics of prion protein caused diseases. <i>Electrophoresis</i> , 2012 , 33, 3644-52	3.6	4
99	Serum metallothioneins in childhood tumours-a potential prognostic marker. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 12170-85	6.3	4
98	MicroRNAs and zinc metabolism-related gene expression in prostate cancer cell lines treated with zinc(II) ions. <i>International Journal of Oncology</i> , 2012 , 41, 2237-44	4.4	4
97	Avidin and Plant Biotechnology to Control Pests. <i>Sustainable Agriculture Reviews</i> , 2010 , 1-21	1.3	4
96	Enzymatic Reaction Coupled with Flow-Injection Analysis with Charged Aerosol, Coulometric, or Amperometric Detection for Estimation of Contamination of the Environment by Pesticides. <i>Chromatographia</i> , 2008 , 67, 47-53	2.1	4

95	Differences in Urinary Amino Acid Patterns in Individuals with Different Types of Urological Tumor Urinary Amino Acid Patterns as Markers of Urological Tumors. <i>In Vivo</i> , 2018 , 32, 425-429	2.3	4
94	Changes of content of glutathione and metallothionein at plant cells and invertebrates treated by platinum group metals. <i>FASEB Journal</i> , 2006 , 20, A75	0.9	4
93	Efficient Protein Transfection by Swarms of Chemically Powered Plasmonic Virus-Sized Nanorobots. <i>ACS Nano</i> , 2021 ,	16.7	4
92	Proteomic Signature of Neuroblastoma Cells UKF-NB-4 Reveals Key Role of Lysosomal Sequestration and the Proteasome Complex in Acquiring Chemoresistance to Cisplatin. <i>Journal of Proteome Research</i> , 2019 , 18, 1255-1263	5.6	4
91	Toward structure-based drug design against the epidermal growth factor receptor (EGFR). <i>Drug Discovery Today</i> , 2021 , 26, 289-295	8.8	4
90	Comparison of Metal Nanoparticles (Au, Ag, Eu, Cd) Used for Immunoanalysis Using LA-ICP-MS Detection. <i>Molecules</i> , 2021 , 26,	4.8	4
89	Signal transducer and activator of transcription 3 signaling in tumor immune evasion. <i>Pharmacology & Therapeutics</i> , 2021 , 230, 107969	13.9	4
88	Electrochemical and optical study of metallothionein interactions with prion proteins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 140, 355-361	3.5	3
87	DNA interaction with platinum-based cytostatics revealed by DNA sequencing. <i>Analytical Biochemistry</i> , 2017 , 539, 22-28	3.1	3
86	Induced expression of microsomal cytochrome determined at mRNA and protein levels in rats exposed to ellipticine, benzo[<i>a</i>]pyrene, and 1-phenylazo-2-naphthol (Sudan I). <i>Monatshefte für Chemie</i> , 2016 , 147, 897-904	1.4	3
85	Prevalent anatase crystalline phase increases the cytotoxicity of biphasic titanium dioxide nanoparticles in mammalian cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 182, 110391	6	3
84	Amalgam Electrode-Based Electrochemical Detector for On-Site Direct Determination of Cadmium(II) and Lead(II) from Soils. <i>Sensors</i> , 2017 , 17,	3.8	3
83	The Application of Curve Fitting on the Voltammograms of Various Isoforms of Metallothioneins-Metal Complexes. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	3
82	Doxorubicin interactions with bovine serum albumin revealed by microdialysis with on-line laser-induced fluorescence detection at subpicogram level. <i>Electrophoresis</i> , 2015 , 36, 1282-8	3.6	3
81	Study of deoxynivalenol effect on metallothionein and glutathione levels, antioxidant capacity, and glutathione-S-transferase and liver enzymes activity in rats. <i>Chemical Papers</i> , 2012 , 66,	1.9	3
80	The role of sulphur in cadmium(II) ions detoxification demonstrated in in vitro model: <i>Dionaea muscipula</i> Ell.. <i>Environmental Chemistry Letters</i> , 2009 , 7, 353-361	13.3	3
79	Benefits of oxidation and size reduction of graphene/graphene oxide nanoparticles in biosensing application: Classification of graphene/graphene oxide nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2022 , 353, 131122	8.5	3
78	Bis(2,2'-bipyridil)Copper(II) Chloride Complex: Tyrosinase Biomimetic Catalyst or Redox Mediator?. <i>Materials</i> , 2020 , 14,	3.5	3

77	Study of nucleic acids interactions with platinum based cytostatics using biosensor. <i>FASEB Journal</i> , 2007 , 21, A262	0.9	3
76	Mutual influence of selenium nanoparticles and FGF2-STAB on biocompatible properties of collagen/chitosan 3D scaffolds: in vitro and ex ovo evaluation. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 103	9.4	3
75	Nutritional and Methodological Perspectives of Zinc Ions and Complexes - Physiological and Pathological States. <i>International Journal of Electrochemical Science</i> , 2016 , 4470-4496	2.2	3
74	Determination of Histamine in Silages Using Nanomaghemite Core (Fe ₃ O ₄)-Titanium Dioxide Shell Nanoparticles Off-Line Coupled with Ion Exchange Chromatography. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	3
73	Influence of Long-Distance Bicycle Riding on Serum/Urinary Biomarkers of Prostate Cancer. <i>International Journal of Molecular Sciences</i> , 2016 , 17, 377	6.3	3
72	Nanoparticles Suitable for BCAA Isolation Can Serve for Use in Magnetic Lipoplex-Based Delivery System for L, I, V, or R-rich Antimicrobial Peptides. <i>Materials</i> , 2016 , 9,	3.5	3
71	A two-step protocol for isolation of influenza A (H7N7) virions and their RNA for PCR diagnostics based on modified paramagnetic particles. <i>Electrophoresis</i> , 2016 , 37, 2025-35	3.6	3
70	Synthesis and structural characterization of antimicrobial binuclear copper(II) coordination compounds bridged by hydroxy- and/or thiodipropionic acid. <i>Journal of Inorganic Biochemistry</i> , 2019 , 191, 8-20	4.2	3
69	The effects of 5-azacytidine and cadmium on global 5-methylcytosine content and secondary metabolites in the freshwater microalgae <i>Chlamydomonas reinhardtii</i> and <i>Scenedesmus quadricauda</i> . <i>Journal of Phycology</i> , 2019 , 55, 329-342	3	3
68	Detection of microbial contamination based on uracil-selective synthetic receptors. <i>Talanta</i> , 2021 , 224, 121813	6.2	3
67	Passive Diffusion vs Active pH-Dependent Encapsulation of Tyrosine Kinase Inhibitors Vandetanib and Lenvatinib into Folate-Targeted Ferritin Delivery System. <i>International Journal of Nanomedicine</i> , 2021 , 16, 1-14	7.3	3
66	The Anti-Proliferative Activity of Coordination Compound-Based ZnO Nanoparticles as a Promising Agent Against Triple Negative Breast Cancer Cells. <i>International Journal of Nanomedicine</i> , 2021 , 16, 4431-4449	7.2	3
65	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	0.3	3
64	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	0.3	3
63	Soil protein as a potential antimicrobial agent against methicillin -resistant <i>Staphylococcus aureus</i> . <i>Environmental Research</i> , 2020 , 188, 109320	7.9	2
62	Europium and terbium Schiff base peptide complexes as potential antimicrobial agents against <i>Salmonella typhimurium</i> and <i>Pseudomonas aeruginosa</i> . <i>Chemical Papers</i> , 2018 , 72, 1437-1449	1.9	2
61	Electrochemistry of copper(II) induced complexes in mycorrhizal maize plant tissues. <i>Journal of Hazardous Materials</i> , 2012 , 203-204, 257-63	12.8	2
60	Quantification of nanomaterial bioconjugation based on electrophoretic mobility shift. <i>Electrophoresis</i> , 2015 , 36, 1084-5	3.6	2

59	Are Early Somatic Embryos of the Norway Spruce (<i>Picea abies</i> (L.) Karst.) Organised?. <i>PLoS ONE</i> , 2015 , 10, e0144093	3.7	2
58	Paramagnetic Particles and PNA Probe for Automated Separation and Electrochemical Detection of Influenza. <i>Chromatographia</i> , 2014 , 77, 1425-1432	2.1	2
57	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		2
56	Profiling of stress transcriptome of selected genes in plants treated with heavy metals. <i>Toxicology Letters</i> , 2009 , 189, S161	4.4	2
55	Synthesis of glutathione-coated quantum dots 2009 ,		2
54	Employing of electroanalytical techniques for detection of silver(I) ions. <i>Toxicology Letters</i> , 2008 , 180, S236-S237	4.4	2
53	Detection of pesticides in food products using paper-based devices by UV-induced fluorescence spectroscopy combined with molecularly imprinted polymers.. <i>Food Chemistry</i> , 2022 , 380, 132141	8.5	2
52	Advantages and Progress in the Analysis of DNA by Using Mercury an Amalgam Electrodes - Review. <i>Current Physical Chemistry</i> , 2011 , 1, 299-324	0.5	2
51	Antibacterial activity of AgNPs-TiO nanotubes: influence of different nanoparticle stabilizers.. <i>RSC Advances</i> , 2020 , 10, 44601-44610	3.7	2
50	UV-induced Zn:Cd/S quantum dots in-situ formed in the presence of thiols for sensitive and selective fluorescence detection of thiols. <i>Scientific Reports</i> , 2021 , 11, 13806	4.9	2
49	Effect of HPV on tumor expression levels of the most commonly used markers in HNSCC. <i>Tumor Biology</i> , 2016 , 37, 7193-201	2.9	2
48	Metallothionein-3 promotes cisplatin chemoresistance remodelling in neuroblastoma. <i>Scientific Reports</i> , 2021 , 11, 5496	4.9	2
47	Post-treatment urinary sarcosine as a predictor of recurrent relapses in patients with prostate cancer. <i>Cancer Medicine</i> , 2018 , 7, 5411-5419	4.8	2
46	Functional Analysis of Novicidin Peptide: Coordinated Delivery System for Zinc via Schiff Base Ligand. <i>Bioconjugate Chemistry</i> , 2018 , 29, 2954-2969	6.3	2
45	Extending the Applicability of and Chicken Chorioallantoic Membrane Assays to Study Cytostatic Activity in Neuroblastoma Cells. <i>Frontiers in Oncology</i> , 2021 , 11, 707366	5.3	2
44	Mechanisms of Uptake and Interaction of Platinum Based Drugs in Eukaryotic Cells. <i>Environmental Science and Engineering</i> , 2015 , 401-415	0.2	1
43	Interaction study of arsenic (III and V) ions with metallothionein gene (MT2A) fragment. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 599-605	7.9	1
42	Use of green fluorescent proteins for in vitro biosensing. <i>Chemical Papers</i> , 2015 , 69,	1.9	1

41	The Effect of Synthesis Procedure on Hydrogen Peroxidase-Like Catalytic Activity of Iron Oxide Magnetic Particles. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6756	2.6	1
40	Upconversion nanoparticle bioconjugates characterized by capillary electrophoresis. <i>Electrophoresis</i> , 2018 , 39, 2246-2252	3.6	1
39	From Amino Acids Profile to Protein Identification: Searching for Differences in Roe Deer Papilloma. <i>Chromatographia</i> , 2014 , 77, 609-617	2.1	1
38	Utilization of paramagnetic microparticles for automated isolation of free circulating mRNA as a new tool in prostate cancer diagnostics. <i>Electrophoresis</i> , 2014 , 35, 306-15	3.6	1
37	Electrochemical Characterization of the Interaction of Multiwalled Carbon Nanotubes with Doxorubicin. <i>Analytical Letters</i> , 2017 , 50, 2335-2341	2.2	1
36	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, 1715-24	4.6	1
35	Influence of Magnetic Microparticles Isolation on Adenine Homonucleotides Structure. <i>Materials</i> , 2014 , 7, 1455-1472	3.5	1
34	Separation of Lactoferrin from Human Saliva Using Monolithic Disc. <i>Chromatographia</i> , 2013 , 76, 611-619	2.1	1
33	Lead ions encapsulated in liposomes and their effect on Staphylococcus aureus. <i>International Journal of Environmental Research and Public Health</i> , 2013 , 10, 6687-700	4.6	1
32	An Analytical Task: a Miniaturized and Portable μ Conductometer as a Tool for Detection of Pesticides 2011 ,		1
31	A New Approach how to Define the Coefficient of Electroactivity of Adenine and Its Twelve Derivatives Using Flow Injection Analysis with Amperometric Detection. <i>Electroanalysis</i> , 2011 , 23, 1556-1567	3.67	1
30	Paramagnetic antibody-modified microparticles coupled with voltammetry as a tool for isolation and detection of metallothionein as a bioindicator of metal pollution. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 2763-9		1
29	Electrochemical biosensor for investigation of anticancer drugs interactions (doxorubicin and ellipticine) with DNA 2009 ,		1
28	Degradation of biogenic amines and in vitro evaluation of ruminal parameters of the ruminal fluid of Charolais sheep. <i>Revista Brasileira De Zootecnia</i> , 2020 , 49,	1.2	1
27	The effect of different fatty acid sources on wound healing in rats assessed by matrix-assisted-laser-desorption-ionization mass-spectroscopy-imaging. <i>Acta Veterinaria Brno</i> , 2019 , 88, 443-449	0.8	1
26	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</i> , 2017 , 110, 105-108	1.7	1
25	Microchip capillary electrophoresis: quantum dots and paramagnetic particles for bacteria immunoseparation: rapid superparamagnetic-beads-based automated immunoseparation of Zn-Proteins from Staphylococcus aureus with nanogram yield. <i>Methods in Molecular Biology</i> , 2015 ,	1.4	1
24	Issues of Hazardous Materials Transport and Possibilities of Safety Measures in the Concept of Smart Cities. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2016 , 790-799	0.2	1

23	A new tool for distinguishing of different structural forms of lactoferrin. <i>FASEB Journal</i> , 2007 , 21, A635	0.9	1
22	Epigenetic mechanisms leading to genetic flexibility during abiotic stress responses in microalgae: A review. <i>Algal Research</i> , 2020 , 50, 101999	5	1
21	Ariel [a] window to the origin of life on early earth?. <i>Experimental Astronomy</i> , 2020 , 1	1.3	1
20	MALDI MSI Reveals the Spatial Distribution of Protein Markers in Tracheobronchial Lymph Nodes and Lung of Pigs after Respiratory Infection. <i>Molecules</i> , 2020 , 25,	4.8	1
19	2D transition metal dichalcogenide nanomaterial-based miRNA biosensors. <i>Applied Materials Today</i> , 2021 , 23, 101043	6.6	1
18	Micellar electrokinetic chromatography as a powerful analytical tool for research on prebiotic chemistry. <i>Microchemical Journal</i> , 2021 , 167, 106022	4.8	1
17	In Situ Investigation of the Cytotoxic and Interfacial Characteristics of Titanium When Galvanically Coupled with Magnesium Using Scanning Electrochemical Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 43587-43596	9.5	1
16	New insights into mechanisms of copper nanoparticle toxicity in freshwater algae <i>Chlamydomonas reinhardtii</i> : Effects on the pathways of secondary metabolites. <i>Algal Research</i> , 2021 , 60, 102476	5	1
15	Nanoparticles-Based Carriers for Gene Therapy and Drug Delivery	471-492	1
14	Tuning the surface coating of IONs toward efficient sonochemical tethering and sustained liberation of topoisomerase II poisons. <i>International Journal of Nanomedicine</i> , 2019 , 14, 7609-7624	7.3	0
13	Silver nanoparticles eliminate <i>Xanthomonas campestris</i> pv. <i>campestris</i> in cabbage seeds more efficiently than hot water treatment. <i>Materials Today Communications</i> , 2021 , 27, 102284	2.5	0
12	UV-Induced fingerprint spectroscopy. <i>Food Chemistry</i> , 2022 , 368, 130499	8.5	0
11	Effectiveness of human cytochrome P450 3A4 present in liposomal and microsomal nanoparticles in formation of covalent DNA adducts by ellipticine. <i>Neuroendocrinology Letters</i> , 2016 , 37, 95-102	0.3	0
10	VPA does not enhance platinum binding to DNA in cisplatin-resistant neuroblastoma cancer cells. <i>Tumor Biology</i> , 2017 , 39, 1010428317711656	2.9	
9	Separation of Nucleobases Using High-performance Liquid Chromatography Coupled with Voltammetric Scanning. <i>Electroanalysis</i> , 2018 , 30, 1865-1869	3	
8	Carbon Nanomaterials for Chromium (VI) Removal from Aqueous Solution	2016, 109-126	
7	Effect of Graphene Oxide Modification on a DNA Biosensor Developed for the Detection of Methylated DNA Associated with Cancer. <i>Proceedings (mdpi)</i> , 2019 , 15, 13	0.3	
6	ELISA-like Analysis of Cisplatinated DNA Using Magnetic Separation. <i>Nanobiomedicine</i> , 2015 , 2, 10	4.8	

5	Electrochemical Study of DNA Damaged by Oxidation Stress. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2013 , 16, 130-141	1.3
4	Examination of the Spatial Structure of Pigs Melanoma in Tissue Sections Based on Histology and Mass Spectrometry. <i>IFMBE Proceedings</i> , 2019 , 255-259	0.2
3	Metallothionein dimerization evidenced by QD-based Förster resonance energy transfer and capillary electrophoresis. <i>International Journal of Biological Macromolecules</i> , 2021 , 170, 53-60	7.9
2	A rotamer relay information system in the epidermal growth factor receptor-drug complexes reveals clues to new paradigm in protein conformational change. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 5443-5454	6.8
1	Tyrosine kinase inhibitors vandetanib, lenvatinib and cabozantinib modulate oxidation of an anticancer agent ellipticine catalyzed by cytochromes P450 in vitro. <i>Neuroendocrinology Letters</i> , 2019 , 39, 515-524	0.3