

Ren Kizek

List of Publications by Year in Descending Order

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

389
papers

13,492
citations

58
h-index

95
g-index

417
ext. papers

14,962
ext. citations

4
avg. IF

6.16
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 389 | The Impact of Fullerenes as Doxorubicin Nano-Transporters on Metallothionein and Superoxide Dismutase Status in MCF-10A Cells.. <i>Pharmaceutics</i> , 2022 , 14, | 6.4 | 1 |
| 388 | Study of Physico-Chemical Changes of CdTe QDs after Their Exposure to Environmental Conditions. <i>Nanomaterials</i> , 2020 , 10, | 5.4 | 5 |
| 387 | Copper Concentrations in Breast Cancer: A Systematic Review and Meta-Analysis. <i>Current Medicinal Chemistry</i> , 2020 , 27, 6373-6383 | 4.3 | 3 |
| 386 | Application of nanotechnology based-biosensors in analysis of wine compounds and control of wine quality and safety: A critical review. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 60, 3271-3289 | 11.5 | 10 |
| 385 | The role of glutathione redox imbalance in autism spectrum disorder: A review. <i>Free Radical Biology and Medicine</i> , 2020 , 160, 149-162 | 7.8 | 31 |
| 384 | Nuclear transport of nicotinamide phosphoribosyltransferase is cell cycle-dependent in mammalian cells, and its inhibition slows cell growth. <i>Journal of Biological Chemistry</i> , 2019 , 294, 8676-8689 | 5.4 | 14 |
| 383 | An Assessment of the Effect of Green Synthesized Silver Nanoparticles Using Sage Leaves (L.) on Germinated Plants of Maize (L.). <i>Nanomaterials</i> , 2019 , 9, | 5.4 | 21 |
| 382 | Carbon Nanomaterials for Targeted Cancer Therapy Drugs: A Critical Review. <i>Chemical Record</i> , 2019 , 19, 502-522 | 6.6 | 34 |
| 381 | Zinc Modified Nanotransporter of Anticancer Drugs for Targeted Therapy: Biophysical Analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 2483-2488 | 1.3 | |
| 380 | Development of New Silver Nanoparticles Suitable for Materials with Antimicrobial Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 2762-2769 | 1.3 | 17 |
| 379 | Nano-selenium and its nanomedicine applications: a critical review. <i>International Journal of Nanomedicine</i> , 2018 , 13, 2107-2128 | 7.3 | 237 |
| 378 | Contribution of Red Wine Consumption to Human Health Protection. <i>Molecules</i> , 2018 , 23, | 4.8 | 82 |
| 377 | A Rapid Method for the Detection of Sarcosine Using SPIONs/Au/CS/SOX/NPs for Prostate Cancer Sensing. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 7 |
| 376 | Metallothionein and Superoxide Dismutase-Antioxidative Protein Status in Fullerene-Doxorubicin Delivery to MCF-7 Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 8 |
| 375 | Fullerene as a doxorubicin nanotransporter for targeted breast cancer therapy: Capillary electrophoresis analysis. <i>Electrophoresis</i> , 2018 , 39, 2370-2379 | 3.6 | 15 |
| 374 | Escape of Tick-Borne Flavivirus from 2Q-Methylated Nucleoside Antivirals Is Mediated by a Single Conservative Mutation in NS5 That Has a Dramatic Effect on Viral Fitness. <i>Journal of Virology</i> , 2017 , 91, | 6.6 | 24 |
| 373 | A Summary of New Findings on the Biological Effects of Selenium in Selected Animal Species-A Critical Review. <i>International Journal of Molecular Sciences</i> , 2017 , 18, | 6.3 | 89 |

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| 372 | Zinc-Modified Nanotransporter of Doxorubicin for Targeted Prostate Cancer Delivery. <i>Nanomaterials</i> , 2017 , 7, | 5.4 | 9 |
| 371 | Microarray analysis of metallothioneins in human diseases--A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 117, 464-73 | 3.5 | 31 |
| 370 | 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 |
| 369 | Carbon Nanomaterials for Chromium (VI) Removal from Aqueous Solution 2016 , 109-126 | | |
| 368 | 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 |
| 367 | 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 |
| 366 | 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 |
| 365 | 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 |
| 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 | Electrochemical sensing of etoposide using carbon quantum dot modified glassy carbon electrode. <i>Analyst, The</i> , 2016 , 141, 2665-75 | 5 | 42 |
| 362 | Electrochemical determination of adenine using a glassy carbon electrode modified with graphene oxide and polyaniline. <i>Mikrochimica Acta</i> , 2016 , 183, 1299-1306 | 5.8 | 15 |
| 361 | Ultrasensitive detection of influenza viruses with a glycan-based impedimetric biosensor. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 644-9 | 11.8 | 58 |
| 360 | 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 |
| 359 | 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 |
| 358 | 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 |
| 357 | 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 |
| 356 | Improved Electrochemical Detection of Zinc Ions Using Electrode Modified with Electrochemically Reduced Graphene Oxide. <i>Materials</i> , 2016 , 9, | 3.5 | 21 |
| 355 | 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 |

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| 354 | 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 |
| 353 | Metallothioneins in Prion- and Amyloid-Related Diseases. <i>Journal of Alzheimer's Disease</i> , 2016 , 51, 637-56 | 4.3 | 16 |
| 352 | Heterologous expression of human cytochrome P450 2S1 in and investigation of its role in metabolism of benzo[<i>a</i>]pyrene and ellipticine. <i>Monatshefte Für Chemie</i> , 2016 , 147, 881-888 | 1.4 | 4 |
| 351 | 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 |
| 350 | Transport phenomena of nanoparticles in plants and animals/humans. <i>Environmental Research</i> , 2016 , 151, 233-243 | 7.9 | 47 |
| 349 | Novel biophysical determination of miRNAs related to prostate and head and neck cancers. <i>European Biophysics Journal</i> , 2015 , 44, 131-8 | 1.9 | 7 |
| 348 | Nanoscale copper in the soil-plant system - toxicity and underlying potential mechanisms. <i>Environmental Research</i> , 2015 , 138, 306-25 | 7.9 | 102 |
| 347 | 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 |
| 346 | Quantum dots-fluorescence resonance energy transfer-based nanosensors and their application. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 562-74 | 11.8 | 176 |
| 345 | Prognostic significance of the tumour-adjacent tissue in head and neck cancers. <i>Tumor Biology</i> , 2015 , 36, 9929-39 | 2.9 | 13 |
| 344 | 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 |
| 343 | 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 |
| 342 | Nanotechnologies in protein microarrays. <i>Nanomedicine</i> , 2015 , 10, 2743-55 | 5.6 | 18 |
| 341 | Mechanisms of Uptake and Interaction of Platinum Based Drugs in Eukaryotic Cells. <i>Environmental Science and Engineering</i> , 2015 , 401-415 | 0.2 | 1 |
| 340 | Synthesis of carbon quantum dots for DNA labeling and its electrochemical, fluorescent and electrophoretic characterization. <i>Chemical Papers</i> , 2015 , 69, | 1.9 | 25 |
| 339 | 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 |
| 338 | 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 |
| 337 | Use of green fluorescent proteins for in vitro biosensing. <i>Chemical Papers</i> , 2015 , 69, | 1.9 | 1 |

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| 336 | 3D-printed chip for detection of methicillin-resistant <i>Staphylococcus aureus</i> labeled with gold nanoparticles. <i>Electrophoresis</i> , 2015 , 36, 457-66 | 3.6 | 42 |
| 335 | Fluorescence-tagged metallothionein with CdTe quantum dots analyzed by the chip-CE technique. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 423 | 2.3 | 4 |
| 334 | Fabrication of solid-state nanopores and its perspectives. <i>Electrophoresis</i> , 2015 , 36, 2367-79 | 3.6 | 46 |
| 333 | 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 |
| 332 | 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 |
| 331 | Label-free bead-based metallothionein electrochemical immunosensor. <i>Electrophoresis</i> , 2015 , 36, 1894-904 | 3.6 | 6 |
| 330 | Quantification of nanomaterial bioconjugation based on electrophoretic mobility shift. <i>Electrophoresis</i> , 2015 , 36, 1084-5 | 3.6 | 2 |
| 329 | 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 |
| 328 | <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 |
| 327 | Effects of Stratospheric Conditions on the Viability, Metabolism and Proteome of Prokaryotic Cells. <i>Atmosphere</i> , 2015 , 6, 1290-1306 | 2.7 | 11 |
| 326 | Perspective of Use of Antiviral Peptides against Influenza Virus. <i>Viruses</i> , 2015 , 7, 5428-42 | 6.2 | 70 |
| 325 | 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 |
| 324 | Oxidative Stress Resistance in Metastatic Prostate Cancer: Renewal by Self-Eating. <i>PLoS ONE</i> , 2015 , 10, e0145016 | 3.7 | 17 |
| 323 | Jacks of metal/metalloid chelation trade in plants-an overview. <i>Frontiers in Plant Science</i> , 2015 , 6, 192 | 6.2 | 110 |
| 322 | ELISA-like Analysis of Cisplatinated DNA Using Magnetic Separation. <i>Nanobiomedicine</i> , 2015 , 2, 10 | 4.8 | |
| 321 | Fate of humic acids isolated from natural humic substances. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2015 , 65, 517-528 | 1.1 | 3 |
| 320 | 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 |
| 319 | Biological Activity and Molecular Structures of Bis(benzimidazole) and Trithiocyanurate Complexes. <i>Molecules</i> , 2015 , 20, 10360-76 | 4.8 | 30 |

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| 318 | Paramagnetic nanoparticles as a platform for FRET-based sarcosine picomolar detection. <i>Scientific Reports</i> , 2015 , 5, 8868 | 4.9 | 39 |
| 317 | 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 |
| 316 | SDS-PAGE as a Tool for Hydrodynamic Diameter-Dependent Separation of Quantum Dots. <i>Chromatographia</i> , 2015 , 78, 785-793 | 2.1 | 9 |
| 315 | Complexes of Metal-Based Nanoparticles with Chitosan Suppressing the Risk of Staphylococcus aureus and Escherichia coli Infections 2015 , 217-232 | | 7 |
| 314 | 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 |
| 313 | 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 |
| 312 | Label-free and amplification-free miR-124 detection in human cells. <i>International Journal of Oncology</i> , 2015 , 46, 871-7 | 4.4 | 5 |
| 311 | 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 |
| 310 | 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 |
| 309 | Differences in urinary proteins related to surgical margin status after radical prostatectomy. <i>Oncology Reports</i> , 2015 , 34, 3247-55 | 3.5 | 7 |
| 308 | 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 |
| 307 | Multimodal holographic microscopy: distinction between apoptosis and oncosis. <i>PLoS ONE</i> , 2015 , 10, e0121674 | 3.7 | 36 |
| 306 | Exposure to 17 β -Oestradiol Induces Oxidative Stress in the Non-Oestrogen Receptor Invertebrate Species Eisenia fetida. <i>PLoS ONE</i> , 2015 , 10, e0145426 | 3.7 | 8 |
| 305 | Melatonin Regulates Oxidative Stress Initiated by Freund's Complete Adjuvant. <i>Acta Medica (Hradec Kralove)</i> , 2015 , 58, 21-4 | 0.8 | 2 |
| 304 | Antimicrobial nanomaterials in the food industry.. <i>Kvasnicka Průmysl</i> , 2015 , 61, 51-56 | 1.3 | 5 |
| 303 | 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 |
| 302 | 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 , 1274, 67-79 | 1.4 | 1 |
| 301 | Preparation and application of anti-peptide antibodies for detection of orphan cytochromes P450. <i>Neuroendocrinology Letters</i> , 2015 , 36 Suppl 1, 38-45 | 0.3 | 1 |

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| 300 | 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 |
| 299 | 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 |
| 298 | Liposomal nanotransporter for targeted binding based on nucleic acid anchor system. <i>Electrophoresis</i> , 2014 , 35, 393-404 | 3.6 | 4 |
| 297 | Synthesis, crystal structure and magnetic properties of trithiocyanurate or thiodiacetate polynuclear Ni(II) and Co(II) complexes. <i>Inorganica Chimica Acta</i> , 2014 , 416, 147-156 | 2.7 | 6 |
| 296 | 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 |
| 295 | DNA interaction with zinc(II) ions. <i>International Journal of Biological Macromolecules</i> , 2014 , 64, 281-7 | 7.9 | 12 |
| 294 | Fluorescence resonance energy transfer between green fluorescent protein and doxorubicin enabled by DNA nanotechnology. <i>Electrophoresis</i> , 2014 , 35, 3290-301 | 3.6 | 8 |
| 293 | Fullerene as a transporter for doxorubicin investigated by analytical methods and in vivo imaging. <i>Electrophoresis</i> , 2014 , 35, 1040-9 | 3.6 | 27 |
| 292 | Biosynthesis of Quantum Dots (CdTe) and its Effect on <i>Eisenia fetida</i> and <i>Escherichia coli</i> . <i>Chromatographia</i> , 2014 , 77, 1441-1449 | 2.1 | 16 |
| 291 | Doxorubicin Encapsulation Investigated by Capillary Electrophoresis with Laser-Induced Fluorescence Detection. <i>Chromatographia</i> , 2014 , 77, 1469-1476 | 2.1 | 10 |
| 290 | Capillary electrophoresis of quantum dots: minireview. <i>Electrophoresis</i> , 2014 , 35, 1929-37 | 3.6 | 17 |
| 289 | Metallothionein polymorphisms in pathological processes. <i>Metallomics</i> , 2014 , 6, 55-68 | 4.5 | 74 |
| 288 | 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 |
| 287 | From Amino Acids Profile to Protein Identification: Searching for Differences in Roe Deer Papilloma. <i>Chromatographia</i> , 2014 , 77, 609-617 | 2.1 | 1 |
| 286 | 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 |
| 285 | 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 |
| 284 | 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 |
| 283 | □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 |

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| 282 | Study of metallothionein-quantum dots interactions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 117, 534-7 | 6 | 13 |
| 281 | Clinical significance of head and neck squamous cell cancer biomarkers. <i>Oral Oncology</i> , 2014 , 50, 168-77 | 4.4 | 75 |
| 280 | 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 |
| 279 | 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 |
| 278 | Hypoxia-mediated histone acetylation and expression of N-myc transcription factor dictate aggressiveness of neuroblastoma cells. <i>Oncology Reports</i> , 2014 , 31, 1928-34 | 3.5 | 15 |
| 277 | 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 |
| 276 | Determination of common urine substances as an assay for improving prostate carcinoma diagnostics. <i>Oncology Reports</i> , 2014 , 31, 1846-54 | 3.5 | 26 |
| 275 | Metallothionein - immunohistochemical cancer biomarker: a meta-analysis. <i>PLoS ONE</i> , 2014 , 9, e85346 | 3.7 | 49 |
| 274 | 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, 3233-55 | 4.6 | 33 |
| 273 | In vitro interactions between 17β -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 |
| 272 | 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 |
| 271 | Apo ferritin applications in nanomedicine. <i>Nanomedicine</i> , 2014 , 9, 2233-45 | 5.6 | 50 |
| 270 | Influence of Magnetic Microparticles Isolation on Adenine Homonucleotides Structure. <i>Materials</i> , 2014 , 7, 1455-1472 | 3.5 | 1 |
| 269 | 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 |
| 268 | Algal biomass analysis by laser-based analytical techniques--a review. <i>Sensors</i> , 2014 , 14, 17725-52 | 3.8 | 48 |
| 267 | 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 |
| 266 | 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 |
| 265 | Interaction of Heavy Metal Ions with Carbon and Iron Based Particles. <i>Materials</i> , 2014 , 7, 2242-2256 | 3.5 | 24 |

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| 264 | 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 |
| 263 | 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 |
| 262 | 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 |
| 261 | Histone deacetylase inhibitors in cancer therapy. A review. <i>Biomedical Papers of the Medical Faculty of the University Palacký&#x0301;, Olomouc, Czechoslovakia</i> , 2014 , 158, 161-9 | 1.7 | 46 |
| 260 | Paramagnetic Particles and PNA Probe for Automated Separation and Electrochemical Detection of Influenza. <i>Chromatographia</i> , 2014 , 77, 1425-1432 | 2.1 | 2 |
| 259 | Modern bioanalysis of proteins by electrophoretic techniques. <i>Methods in Molecular Biology</i> , 2014 , 1129, 381-96 | 1.4 | 4 |
| 258 | Trithiocyanurate complexes of iron, manganese and nickel and their anticholinesterase activity. <i>Molecules</i> , 2014 , 19, 4338-54 | 4.8 | 7 |
| 257 | 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 |
| 256 | 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 |
| 255 | Serum and tissue zinc in epithelial malignancies: a meta-analysis. <i>PLoS ONE</i> , 2014 , 9, e99790 | 3.7 | 62 |
| 254 | 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 |
| 253 | 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 |
| 252 | Study of Streptavidin-Modified Quantum Dots by Capillary Electrophoresis. <i>Chromatographia</i> , 2013 , 76, 335-343 | 2.1 | 15 |
| 251 | 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 |
| 250 | Study of Interaction between Metallothionein and CdTe Quantum Dots. <i>Chromatographia</i> , 2013 , 76, 345-353 | 2.3 | 24 |
| 249 | Lead toxicosis of captive vultures: case description and responses to chelation therapy. <i>BMC Veterinary Research</i> , 2013 , 9, 11 | 2.7 | 25 |
| 248 | 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 |
| 247 | 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 |

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| 246 | Metal Transporters in Plants 2013 , 19-41 | | 10 |
| 245 | 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 |
| 244 | Electrophoretic study of peptide-mediated quantum dot-human immunoglobulin bioconjugation. <i>Electrophoresis</i> , 2013 , 34, 2725-32 | 3.6 | 21 |
| 243 | The relationship between DNA adduct formation by benzo[a]pyrene and expression of its activation enzyme cytochrome P450 1A1 in rat. <i>Environmental Toxicology and Pharmacology</i> , 2013 , 36, 989-96 | 5.8 | 37 |
| 242 | Classification of genomic signals using dynamic time warping. <i>BMC Bioinformatics</i> , 2013 , 14 Suppl 10, S1 | 3.6 | 25 |
| 241 | 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 |
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