

# Zbynek Heger

## 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.

133  
papers

2,052  
citations

21  
h-index

38  
g-index

143  
ext. papers

2,547  
ext. citations

5.8  
avg. IF

5.09  
L-index

#	Paper	IF	Citations
133	Conotoxin-derived biomimetic coiled cone-shaped peptide as ligand for selective nanodelivery to norepinephrine transporter-expressing neuroblastoma cells. <i>Applied Materials Today</i> , <b>2022</b> , 27, 101410	6.6	0
132	Toward understanding the kinetics of disassembly of ferritins of varying origin and subunit composition. <i>Applied Materials Today</i> , <b>2022</b> , 28, 101535	6.6	
131	The impact of individual human cytochrome P450 enzymes on oxidative metabolism of anticancer drug lenvatinib. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 145, 112391	7.5	1
130	Structural and biological characterization of anticancer nickel(II) bis(benzimidazole) complex. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 217, 111395	4.2	3
129	Apo ferritin/Vandetanib Association Is Long-Term Stable But Does Not Improve Pharmacological Properties of Vandetanib. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
128	Efficient Protein Transfection by Swarms of Chemically Powered Plasmonic Virus-Sized Nanorobots. <i>ACS Nano</i> , <b>2021</b> ,	16.7	4
127	Toward structure-based drug design against the epidermal growth factor receptor (EGFR). <i>Drug Discovery Today</i> , <b>2021</b> , 26, 289-295	8.8	4
126	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> , <b>2021</b> , 16, 1-14	7.3	3
125	Nanomedicine of tyrosine kinase inhibitors. <i>Theranostics</i> , <b>2021</b> , 11, 1546-1567	12.1	8
124	Metallothionein-3 promotes cisplatin chemoresistance remodelling in neuroblastoma. <i>Scientific Reports</i> , <b>2021</b> , 11, 5496	4.9	2
123	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> , <b>2021</b> , 16, 4431-4449 <sup>3</sup>	7.2	3
122	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> , <b>2021</b> , 19, 5443-5454	6.8	
121	Extending the Applicability of and Chicken Chorioallantoic Membrane Assays to Study Cytostatic Activity in Neuroblastoma Cells. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 707366	5.3	2
120	In Situ Investigation of the Cytotoxic and Interfacial Characteristics of Titanium When Galvanically Coupled with Magnesium Using Scanning Electrochemical Microscopy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 43587-43596	9.5	1
119	Identification of Enzymes Oxidizing the Tyrosine Kinase Inhibitor Cabozantinib: Cabozantinib Is Predominantly Oxidized by CYP3A4 and Its Oxidation Is Stimulated by cyt b Activity. <i>Biomedicines</i> , <b>2020</b> , 8,	4.8	2
118	Nanomaterials with active targeting as advanced antimicrobials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2020</b> , 12, e1636	9.2	13
117	Metallothionein isoforms as double agents - Their roles in carcinogenesis, cancer progression and chemoresistance. <i>Drug Resistance Updates</i> , <b>2020</b> , 52, 100691	23.2	18

116	Ten quick tips for homology modeling of high-resolution protein 3D structures. <i>PLoS Computational Biology</i> , <b>2020</b> , 16, e1007449	5	35
115	Taking advantage of cellular uptake of ferritin nanocages for targeted drug delivery. <i>Journal of Controlled Release</i> , <b>2020</b> , 325, 176-190	11.7	16
114	Drug Sequestration in Lysosomes as One of the Mechanisms of Chemoresistance of Cancer Cells and the Possibilities of Its Inhibition. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	15
113	One-pot synthesis of natural amine-modified biocompatible carbon quantum dots with antibacterial activity. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 580, 30-48	9.3	18
112	Complex cytotoxicity mechanism of bundles formed from self-organised 1-D anodic TiO nanotubes layers. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 388, 122054	12.8	12
111	Encapsulation of Doxorubicin in Furcellaran/Chitosan Nanocapsules by Layer-by-Layer Technique for Selectively Controlled Drug Delivery. <i>Biomacromolecules</i> , <b>2020</b> , 21, 418-434	6.9	12
110	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> , <b>2020</b> , 74, 103310	5.8	8
109	Surface-PASylation of ferritin to form stealth nanovehicles enhances in vivo therapeutic performance of encapsulated ellipticine. <i>Applied Materials Today</i> , <b>2020</b> , 18, 100501	6.6	7
108	From solid state to anticancer activity of copper(II) compounds with electronically-modulated NNO Schiff base ligands. <i>Dalton Transactions</i> , <b>2020</b> , 49, 14626-14639	4.3	7
107	Norepinephrine transporter-derived homing peptides enable rapid endocytosis of drug delivery nanovehicles into neuroblastoma cells. <i>Journal of Nanobiotechnology</i> , <b>2020</b> , 18, 95	9.4	3
106	Homology modeling in the time of collective and artificial intelligence. <i>Computational and Structural Biotechnology Journal</i> , <b>2020</b> , 18, 3494-3506	6.8	12
105	Direct fluorogenic detection of palladium and platinum organometallic complexes with proteins and nucleic acids in polyacrylamide gels. <i>Scientific Reports</i> , <b>2020</b> , 10, 12344	4.9	1
104	Tuning the surface coating of IONs toward efficient sonochemical tethering and sustained liberation of topoisomerase II poisons. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 7609-7624	7.3	0
103	Prostate cancer-specific hallmarks of amino acids metabolism: Towards a paradigm of precision medicine. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2019</b> , 1871, 248-258	11.2	14
102	Nanoparticle-drug conjugates treating bacterial infections. <i>Journal of Controlled Release</i> , <b>2019</b> , 307, 166-185	11.5	33
101	Rotamer Dynamics: Analysis of Rotamers in Molecular Dynamics Simulations of Proteins. <i>Biophysical Journal</i> , <b>2019</b> , 116, 2062-2072	2.9	7
100	Transcriptomic Landscape of Cisplatin-Resistant Neuroblastoma Cells. <i>Cells</i> , <b>2019</b> , 8,	7.9	6
99	Recoverable Bismuth-Based Microrobots: Capture, Transport, and On-Demand Release of Heavy Metals and an Anticancer Drug in Confined Spaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 13359-13369	9.5	24

98	Ellipticine-loaded apoferritin nanocarrier retains DNA adduct-based cytochrome P450-facilitated toxicity in neuroblastoma cells. <i>Toxicology</i> , <b>2019</b> , 419, 40-54	4.4	11
97	Prevalent anatase crystalline phase increases the cytotoxicity of biphasic titanium dioxide nanoparticles in mammalian cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 182, 110391	6	3
96	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> , <b>2019</b> , 20,	6.3	10
95	One-step detection of human papilloma viral infection using quantum dot-nucleotide interaction specificity. <i>Talanta</i> , <b>2019</b> , 205, 120111	6.2	4
94	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> , <b>2019</b> , 126, 1099-1111	7.9	14
93	Detergent-modified catalytic and enzymomimetic activity of silver and palladium nanoparticles biotemplated by <i>Pyrococcus furiosus</i> ferritin. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 537, 20-27	9.3	8
92	Synthesis and structural characterization of antimicrobial binuclear copper(II) coordination compounds bridged by hydroxy- and/or thiodipropionic acid. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 191, 8-20	4.2	3
91	Sarcosine is a prostate epigenetic modifier that elicits aberrant methylation patterns through the SAME-Dnmts axis. <i>Molecular Oncology</i> , <b>2019</b> , 13, 1002-1017	7.9	9
90	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> , <b>2019</b> , 18, 1255-1263	5.6	4
89	Mass spectrometric imaging of cysteine rich proteins in human skin. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 125, 270-277	7.9	9
88	Ultrafast Electrochemical Trigger Drug Delivery Mechanism for Nanographene Micromachines. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806696	15.6	62
87	Tyrosine kinase inhibitors vandetanib, lenvatinib and cabozantinib modulate oxidation of an anticancer agent ellipticine catalyzed by cytochromes P450 in vitro. <i>Neuroendocrinology Letters</i> , <b>2019</b> , 39, 515-524	0.3	
86	Identification of Sarcosine as a Target Molecule for the Canine Olfactory Detection of Prostate Carcinoma. <i>Scientific Reports</i> , <b>2018</b> , 8, 4958	4.9	7
85	An insight into the complex roles of metallothioneins in malignant diseases with emphasis on (sub)isoforms/isoforms and epigenetics phenomena. <i>Pharmacology &amp; Therapeutics</i> , <b>2018</b> , 183, 90-117	13.9	20
84	Improving cytocompatibility of CdTe quantum dots by Schiff-base-coordinated lanthanides surface doping. <i>Journal of Nanobiotechnology</i> , <b>2018</b> , 16, 43	9.4	6
83	Prostate-Specific Membrane Antigen-Targeted Site-Directed Antibody-Conjugated Apoferritin Nanovehicle Favorably Influences In Vivo Side Effects of Doxorubicin. <i>Scientific Reports</i> , <b>2018</b> , 8, 8867	4.9	23
82	Comparative gene expression profiling of human metallothionein-3 up-regulation in neuroblastoma cells and its impact on susceptibility to cisplatin. <i>Oncotarget</i> , <b>2018</b> , 9, 4427-4439	3.3	8
81	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> , <b>2018</b> , 32, 425-429	2.3	4

80	Sarcosine influences apoptosis and growth of prostate cells via cell-type specific regulation of distinct sets of genes. <i>Prostate</i> , <b>2018</b> , 78, 104-112	4.2	6
79	Dual-color quantum dots-based simultaneous detection of HPV-HIV co-infection. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 258, 295-303	8.5	9
78	Real-Time Visualization of Cell Membrane Damage Using Gadolinium-Schiff Base Complex-Doped Quantum Dots. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 35859-35868	9.5	13
77	Investigation of Detergent-Modified Enzymomimetic Activities of TEMED-Templated Nanoceria Towards Fluorescent Detection of Their Cellular Uptake. <i>ChemistrySelect</i> , <b>2018</b> , 3, 10139-10146	1.8	1
76	Drug Delivery: Cooperative Multifunctional Self-Propelled Paramagnetic Microrobots with Chemical Handles for Cell Manipulation and Drug Delivery (Adv. Funct. Mater. 43/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870311	15.6	5
75	Novel vancomycin-peptide conjugate as potent antibacterial agent against vancomycin-resistant. <i>Infection and Drug Resistance</i> , <b>2018</b> , 11, 1807-1817	4.2	16
74	Cooperative Multifunctional Self-Propelled Paramagnetic Microrobots with Chemical Handles for Cell Manipulation and Drug Delivery. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804343	15.6	48
73	Post-treatment urinary sarcosine as a predictor of recurrent relapses in patients with prostate cancer. <i>Cancer Medicine</i> , <b>2018</b> , 7, 5411-5419	4.8	2
72	Functional Analysis of Novicidin Peptide: Coordinated Delivery System for Zinc via Schiff Base Ligand. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 2954-2969	6.3	2
71	Amino Acid Profiling of Zinc Resistant Prostate Cancer Cell Lines: Associations With Cancer Progression. <i>Prostate</i> , <b>2017</b> , 77, 604-616	4.2	15
70	Spatial mapping of metals in tissue-sections using combination of mass-spectrometry and histology through image registration. <i>Scientific Reports</i> , <b>2017</b> , 7, 40169	4.9	19
69	Carbon dots based FRET for the detection of DNA damage. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 92, 133-139	13.98	74
68	Electrochemical and optical study of metallothionein interactions with prion proteins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 140, 355-361	3.5	3
67	An enzymatic assay based on luciferase Ebola virus-like particles for evaluation of virolytic activity of antimicrobial peptides. <i>Peptides</i> , <b>2017</b> , 88, 87-96	3.8	4
66	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> , <b>2017</b> , 150, 131-140	6	15
65	Alternative Synthesis Route of Biocompatible Polyvinylpyrrolidone Nanoparticles and Their Effect on Pathogenic Microorganisms. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 221-233	5.6	9
64	pH-Responsive Hybrid Organic/Inorganic Ruthenium Nanoparticles for Controlled Release of Doxorubicin. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1700289	3.1	4
63	VPA does not enhance platinum binding to DNA in cisplatin-resistant neuroblastoma cancer cells. <i>Tumor Biology</i> , <b>2017</b> , 39, 1010428317711656	2.9	

62	Antimicrobial Agent Based on Selenium Nanoparticles and Carboxymethyl Cellulose for the Treatment of Bacterial Infections. <i>Journal of Biomedical Nanotechnology</i> , <b>2017</b> , 13, 767-777	4	13
61	Apo ferritin as an ubiquitous nanocarrier with excellent shelf life. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 2265-2278	7.3	30
60	Visualization of stable ferritin complexes with palladium, rhodium and iridium nanoparticles detected by their catalytic activity in native polyacrylamide gels. <i>Dalton Transactions</i> , <b>2017</b> , 46, 13690-13694	4.3	10
59	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> , <b>2017</b> , 148, 1983-1991	1.4	13
58	DNA-magnetic Particle Binding Analysis by Dynamic and Electrophoretic Light Scattering. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	4
57	Advanced nanotechnologies in avian influenza: Current status and future trends - A review. <i>Analytica Chimica Acta</i> , <b>2017</b> , 983, 42-53	6.6	16
56	Gold nanoparticles-modified nanomaghemite and quantum dots-based hybridization assay for detection of HPV. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 240, 503-510	8.5	16
55	Anticarcinogenic Effect of Spices Due to Phenolic and Flavonoid Compounds-In Vitro Evaluation on Prostate Cells. <i>Molecules</i> , <b>2017</b> , 22,	4.8	7
54	Magnetic Nanoparticles: From Design and Synthesis to Real World Applications. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	317
53	Targeting Neuroblastoma Cell Surface Proteins: Recommendations for Homology Modeling of hNET, ALK, and TrkB. <i>Frontiers in Molecular Neuroscience</i> , <b>2017</b> , 10, 7	6.1	10
52	Trk Receptors and Neurotrophin Cross-Interactions: New Perspectives Toward Manipulating Therapeutic Side-Effects. <i>Frontiers in Molecular Neuroscience</i> , <b>2017</b> , 10, 130	6.1	14
51	MALDI MSI of MeLiM melanoma: Searching for differences in protein profiles. <i>PLoS ONE</i> , <b>2017</b> , 12, e0189305	3.7	15
50	Establishment of oral squamous cell carcinoma cell line and magnetic bead-based isolation and characterization of its CD90/CD44 subpopulations. <i>Oncotarget</i> , <b>2017</b> , 8, 66254-66269	3.3	6
49	Exceptional release kinetics and cytotoxic selectivity of oxidised MWCNTs double-functionalised with doxorubicin and prostate-homing peptide. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 156, 123-132	6	8
48	Size-related cytotoxicological aspects of polyvinylpyrrolidone-capped platinum nanoparticles. <i>Food and Chemical Toxicology</i> , <b>2017</b> , 105, 337-346	4.7	16
47	Zinc and zinc-containing biomolecules in childhood brain tumors. <i>Journal of Molecular Medicine</i> , <b>2016</b> , 94, 1199-1215	5.5	11
46	Prostate tumor attenuation in the nu/nu murine model due to anti-sarcosine antibodies in folate-targeted liposomes. <i>Scientific Reports</i> , <b>2016</b> , 6, 33379	4.9	20
45	Evaluation of EGFR as a prognostic and diagnostic marker for head and neck squamous cell carcinoma patients. <i>Oncology Letters</i> , <b>2016</b> , 12, 2127-2132	2.6	11

44	Bioconjugation of peptides using advanced nanomaterials to examine their interactions in 3D printed flow-through device. <i>Electrophoresis</i> , <b>2016</b> , 37, 444-54	3.6	4
43	Antiviral activity of fullerene C60 nanocrystals modified with derivatives of anionic antimicrobial peptide maximin H5. <i>Monatshefte Für Chemie</i> , <b>2016</b> , 147, 905-918	1.4	23
42	Electrochemical sensing of etoposide using carbon quantum dot modified glassy carbon electrode. <i>Analyst, The</i> , <b>2016</b> , 141, 2665-75	5	42
41	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> , <b>2016</b> , 147, 873-880	1.4	5
40	Sarcosine Up-Regulates Expression of Genes Involved in Cell Cycle Progression of Metastatic Models of Prostate Cancer. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165830	3.7	35
39	Metallothionein as a Scavenger of Free Radicals - New Cardioprotective Therapeutic Agent or Initiator of Tumor Chemoresistance?. <i>Current Drug Targets</i> , <b>2016</b> , 17, 1438-51	3	17
38	Nutritional and Methodological Perspectives of Zinc Ions and Complexes - Physiological and Pathological States. <i>International Journal of Electrochemical Science</i> , <b>2016</b> , 4470-4496	2.2	3
37	Influence of Long-Distance Bicycle Riding on Serum/Urinary Biomarkers of Prostate Cancer. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17, 377	6.3	3
36	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> , <b>2016</b> , 9,	3.5	3
35	The Zinc-Schiff Base-Novocidin Complex as a Potential Prostate Cancer Therapy. <i>PLoS ONE</i> , <b>2016</b> , 11, e0163983	3.7	15
34	Role of Phytochelatins in Redox Caused Stress in Plants and Animals <b>2016</b> ,		1
33	Relation of exposure to amino acids involved in sarcosine metabolic pathway on behavior of non-tumor and malignant prostatic cell lines. <i>Prostate</i> , <b>2016</b> , 76, 679-90	4.2	11
32	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> , <b>2016</b> , 37, 2025-35	3.6	3
31	Fully automated two-step assay for detection of metallothionein through magnetic isolation using functionalized FeO particles. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1039, 17-27	3.2	5
30	Metallothioneins in Prion- and Amyloid-Related Diseases. <i>Journal of Alzheimer's Disease</i> , <b>2016</b> , 51, 637-564.3	4.3	16
29	Effect of HPV on tumor expression levels of the most commonly used markers in HNSCC. <i>Tumor Biology</i> , <b>2016</b> , 37, 7193-201	2.9	2
28	Site-Directed Conjugation of Antibodies to Apoferritin Nanocarrier for Targeted Drug Delivery to Prostate Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 14430-41	9.5	55
27	Guidelines for Homology Modeling of Dopamine, Norepinephrine, and Serotonin Transporters. <i>ACS Chemical Neuroscience</i> , <b>2016</b> , 7, 1607-1613	5.7	16

26	Transport phenomena of nanoparticles in plants and animals/humans. <i>Environmental Research</i> , <b>2016</b> , 151, 233-243	7.9	47
25	Study of linkage between glutathione pathway and the antibiotic resistance of Escherichia coli from patients Tswabs. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 7210-29	6.3	6
24	Structural effects and nanoparticle size are essential for quantum dots-metallothionein complex formation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 134, 262-72	6	21
23	Nanotechnologies in protein microarrays. <i>Nanomedicine</i> , <b>2015</b> , 10, 2743-55	5.6	18
22	Use of green fluorescent proteins for in vitro biosensing. <i>Chemical Papers</i> , <b>2015</b> , 69,	1.9	1
21	3D-printed biosensor with poly(dimethylsiloxane) reservoir for magnetic separation and quantum dots-based immunolabeling of metallothionein. <i>Electrophoresis</i> , <b>2015</b> , 36, 1256-64	3.6	21
20	Label-free bead-based metallothionein electrochemical immunosensor. <i>Electrophoresis</i> , <b>2015</b> , 36, 1894-904	3.0	6
19	Perspective of Use of Antiviral Peptides against Influenza Virus. <i>Viruses</i> , <b>2015</b> , 7, 5428-42	6.2	70
18	Paramagnetic nanoparticles as a platform for FRET-based sarcosine picomolar detection. <i>Scientific Reports</i> , <b>2015</b> , 5, 8868	4.9	39
17	Influence of microbiome species in hard-to-heal wounds on disease severity and treatment duration. <i>Brazilian Journal of Infectious Diseases</i> , <b>2015</b> , 19, 604-13	2.8	9
16	17 $\beta$ -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> , <b>2015</b> , 33, 921-9	3.5	7
15	Differences in urinary proteins related to surgical margin status after radical prostatectomy. <i>Oncology Reports</i> , <b>2015</b> , 34, 3247-55	3.5	7
14	Exposure to 17 $\beta$ Oestradiol Induces Oxidative Stress in the Non-Oestrogen Receptor Invertebrate Species Eisenia fetida. <i>PLoS ONE</i> , <b>2015</b> , 10, e0145426	3.7	8
13	Fluorescence resonance energy transfer between green fluorescent protein and doxorubicin enabled by DNA nanotechnology. <i>Electrophoresis</i> , <b>2014</b> , 35, 3290-301	3.6	8
12	Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Covered with Glutathione-Modified Quantum Dots as a Fluorescent Nanotransporter. <i>Chromatographia</i> , <b>2014</b> , 77, 1415-1423	2.1	7
11	Determination of common urine substances as an assay for improving prostate carcinoma diagnostics. <i>Oncology Reports</i> , <b>2014</b> , 31, 1846-54	3.5	26
10	In vitro interactions between 17 $\beta$ estradiol and DNA result in formation of the hormone-DNA complexes. <i>International Journal of Environmental Research and Public Health</i> , <b>2014</b> , 11, 7725-39	4.6	8
9	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> , <b>2014</b> , 11, 1715-24	4.6	1



8	Apo ferritin applications in nanomedicine. <i>Nanomedicine</i> , <b>2014</b> , 9, 2233-45	5.6	50
7	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> , <b>2014</b> , 7, 1341-1344	2.6	5
6	Isolation of Biogenic Amines Using Paramagnetic Microparticles Off-Line Coupled with Ion Exchange Liquid Chromatography. <i>Chromatographia</i> , <b>2014</b> , 77, 1451-1459	2.1	8
5	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> , <b>2014</b> , 37, 465-575	3.4	12
4	A novel insight into the cardiotoxicity of antineoplastic drug doxorubicin. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 21629-46	6.3	21
3	Microfluidic chip coupled with modified paramagnetic particles for sarcosine isolation in urine. <i>Electrophoresis</i> , <b>2013</b> , 34, 2639-47	3.6	22
2	Sarcosine as a potential prostate cancer biomarker--a review. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 13893-908	6.3	76
1	Molecular biology of beta-estradiol-estrogen receptor complex binding to estrogen response element and the effect on cell proliferation. <i>Neuroendocrinology Letters</i> , <b>2013</b> , 34 Suppl 2, 123-9	0.3	3