

# Dalibor Huska

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,940  
citations

394421

19  
h-index

254184

43  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2715  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic nanoparticles and targeted drug delivering. <i>Pharmacological Research</i> , 2010, 62, 144-149.	7.1	556
2	Zinc, zinc nanoparticles and plants. <i>Journal of Hazardous Materials</i> , 2018, 349, 101-110.	12.4	216
3	Matrix Metalloproteinases. <i>Current Medicinal Chemistry</i> , 2010, 17, 3751-3768.	2.4	194
4	miR395 is a general component of the sulfate assimilation regulatory network in Arabidopsis. <i>FEBS Letters</i> , 2012, 586, 3242-3248.	2.8	102
5	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.	2.8	100
6	Electroanalysis of Plant Thiols. <i>Sensors</i> , 2007, 7, 932-959.	3.8	72
7	Employment of Electrochemical Techniques for Metallothionein Determination in Tumor Cell Lines and Patients with a Tumor Disease. <i>Electroanalysis</i> , 2008, 20, 1521-1532.	2.9	54
8	Spectrometric and Voltammetric Analysis of Urease – Nickel Nanoelectrode as an Electrochemical Sensor. <i>Sensors</i> , 2007, 7, 1238-1255.	3.8	48
9	Easy to use and rapid isolation and detection of a viral nucleic acid by using paramagnetic microparticles and carbon nanotubes-based screen-printed electrodes. <i>Microfluidics and Nanofluidics</i> , 2010, 8, 329-339.	2.2	41
10	Automated nucleic acids isolation using paramagnetic microparticles coupled with electrochemical detection. <i>Talanta</i> , 2009, 79, 402-411.	5.5	38
11	Affecting of aquatic vascular plant <i>Lemna minor</i> by cisplatin revealed by voltammetry. <i>Bioelectrochemistry</i> , 2008, 72, 59-65.	4.6	37
12	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	29
13	Study of Interactions between Metallothionein and Cisplatin by using Differential Pulse Voltammetry Brdicka's reaction and Quartz Crystal Microbalance. <i>Sensors</i> , 2009, 9, 1355-1369.	3.8	26
14	Square-Wave Voltammetry as a Tool for Investigation of Doxorubicin Interactions with DNA Isolated from Neuroblastoma Cells. <i>Electroanalysis</i> , 2009, 21, 487-494.	2.9	26
15	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.	4.4	25
16	A sensor for investigating the interaction between biologically important heavy metals and glutathione. <i>Czech Journal of Animal Science</i> , 2007, 52, 37-43.	1.3	23
17	Protein-based electrochemical biosensor for detection of silver(I) ions. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 492-496.	4.3	23
18	An Investigation of Glutathione-Platinum(II) Interactions by Means of the Flow Injection Analysis Using Glassy Carbon Electrode. <i>Sensors</i> , 2007, 7, 1256-1270.	3.8	22

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19	An Adsorptive Transfer Technique Coupled with Brdicka Reaction to Reveal the Importance of Metallothionein in Chemotherapy with Platinum Based Cytostatics. International Journal of Molecular Sciences, 2010, 11, 4826-4842.	4.1	20
20	Persistence, dispersal and genetic evolution of recently formed <i>Spartina</i> homoploid hybrids and allopolyploids in Southern England. Biological Invasions, 2016, 18, 2137-2151.	2.4	19
21	Miniaturized electrochemical detector as a tool for detection of DNA amplified by PCR. Electrophoresis, 2008, 29, 4964-4971.	2.4	18
22	Influence of Cadmium(II) Ions and Brewery Sludge on Metallothionein Level in Earthworms ( <i>Eisenia</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.8	18
23	Chip gel electrophoresis as a tool for study of matrix metalloproteinase 9 interaction with metallothionein. Electrophoresis, 2011, 32, 857-860.	2.4	18
24	Nanotechnologies for society. New designs and applications of nanosensors and nanobiosensors in medicine and environmental analysis. International Journal of Nanotechnology, 2012, 9, 746.	0.2	18
25	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> . Journal of Hazardous Materials, 2019, 365, 932-941.	12.4	18
26	Chronopotentiometric Stripping Analysis of Gelatinase B, Collagen and Their Interaction. Electroanalysis, 2009, 21, 536-541.	2.9	17
27	Nanoparticles of cerium, iron, and silicon oxides change the metabolism of phenols and flavonoids in butterhead lettuce and sweet pepper seedlings. Environmental Science: Nano, 2021, 8, 1945-1959.	4.3	17
28	Dependence of adenine isolation efficiency on the chain length evidenced using paramagnetic particles and voltammetry measurements. Journal of Magnetism and Magnetic Materials, 2009, 321, 1474-1477.	2.3	14
29	Carbon composite micro- and nano-tubes-based electrodes for detection of nucleic acids. Nanoscale Research Letters, 2011, 6, 385.	5.7	14
30	Microfluidic robotic device coupled with electrochemical sensor field for handling of paramagnetic micro-particles as a tool for determination of plant mRNA. Mikrochimica Acta, 2011, 173, 189-197.	5.0	14
31	Epigenetic mechanisms leading to genetic flexibility during abiotic stress responses in microalgae: A review. Algal Research, 2020, 50, 101999.	4.6	13
32	Lycorine and UV-C stimulate phenolic secondary metabolites production and miRNA expression in <i>Chlamydomonas reinhardtii</i> . Journal of Hazardous Materials, 2020, 391, 122088.	12.4	13
33	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> . Journal of Phycology, 2019, 55, 329-342.	2.3	12
34	New insights into mechanisms of copper nanoparticle toxicity in freshwater algae <i>Chlamydomonas reinhardtii</i> : Effects on the pathways of secondary metabolites. Algal Research, 2021, 60, 102476.	4.6	11
35	Interpopulation hybridization generates meiotically stable <i>scp</i> rDNA epigenetic variants in allotetraploid <i>Tragopogon mirus</i> . Plant Journal, 2016, 85, 362-377.	5.7	9
36	Sequential Changes in Antioxidant Potential of Oakleaf Lettuce Seedlings Caused by Nano-TiO <sub>2</sub> Treatment. Nanomaterials, 2021, 11, 1171.	4.1	7

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37	Nano/microparticles in conjunction with microalgae extract as novel insecticides against Mealworm beetles, <i>Tenebrio molitor</i> . <i>Scientific Reports</i> , 2021, 11, 17125.	3.3	7
38	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.	2.1	6
39	Magnetic Biohybrid Robots as Efficient Drug Carrier to Generate Plant Cell Clones. <i>Small</i> , 2022, 18, e2200208.	10.0	6
40	Employing of electroanalytical techniques for detection of silver(I) ions. <i>Toxicology Letters</i> , 2008, 180, S236-S237.	0.8	5
41	Modification of Working Electrode Surface with Carbon Nanotubes as an Electrochemical Sensor for Estimation of Melting Points of DNA. <i>Procedia Chemistry</i> , 2009, 1, 1011-1014.	0.7	4
42	Electrochemical biosensor for investigation of anticancer drugs interactions (doxorubicin and) Tj ETQq0 0 0 rgBT /Overlock 1Q Tf 50 542		
43	Profiling of stress transcriptome of selected genes in plants treated with heavy metals. <i>Toxicology Letters</i> , 2009, 189, S161.	0.8	2
44	Investigation of a role of metallothionein in resistance on platinum based cytostatics. <i>Toxicology Letters</i> , 2008, 180, S133.	0.8	1
45	Electroanalysis of cisplatinâ€“glutathione and cisplatinâ€“DNA interactions. <i>Toxicology Letters</i> , 2008, 180, S133.	0.8	1
46	New approach for detection of copper using electrochemical methods. <i>Toxicology Letters</i> , 2008, 180, S237-S238.	0.8	0
47	Suggestion of electrochemical sensors for microanalysis of content of copper in biological samples. , 2008, , .		0