

# 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 Biohybrid Robots as Efficient Drug Carrier to Generate Plant Cell Clones. <i>Small</i> , 2022, 18, e2200208.	10.0	6
2	Nanoparticles of cerium, iron, and silicon oxides change the metabolism of phenols and flavonoids in butterhead lettuce and sweet pepper seedlings. <i>Environmental Science: Nano</i> , 2021, 8, 1945-1959.	4.3	17
3	Sequential Changes in Antioxidant Potential of Oakleaf Lettuce Seedlings Caused by Nano-TiO <sub>2</sub> Treatment. <i>Nanomaterials</i> , 2021, 11, 1171.	4.1	7
4	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
5	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.	4.6	11
6	Epigenetic mechanisms leading to genetic flexibility during abiotic stress responses in microalgae: A review. <i>Algal Research</i> , 2020, 50, 101999.	4.6	13
7	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.	12.4	13
8	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
9	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.	12.4	18
10	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.	2.3	12
11	Zinc, zinc nanoparticles and plants. <i>Journal of Hazardous Materials</i> , 2018, 349, 101-110.	12.4	216
12	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
13	Interpopulation hybridization generates meiotically stable <i>scp</i> -rDNA epigenetic variants in allotetraploid <i>Tragopogon mirus</i> . <i>Plant Journal</i> , 2016, 85, 362-377.	5.7	9
14	Persistence, dispersal and genetic evolution of recently formed <i>Spartina</i> homoploid hybrids and allopolyploids in Southern England. <i>Biological Invasions</i> , 2016, 18, 2137-2151.	2.4	19
15	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.	0.2	18
16	miR395 is a general component of the sulfate assimilation regulatory network in <i>Arabidopsis</i> . <i>FEBS Letters</i> , 2012, 586, 3242-3248.	2.8	102
17	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
18	Carbon composite micro- and nano-tubes-based electrodes for detection of nucleic acids. <i>Nanoscale Research Letters</i> , 2011, 6, 385.	5.7	14

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19	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.	5.0	14
20	Chip gel electrophoresis as a tool for study of matrix metalloproteinase 9 interaction with metallothionein. <i>Electrophoresis</i> , 2011, 32, 857-860.	2.4	18
21	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
22	Protein-based electrochemical biosensor for detection of silver(I) ions. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 492-496.	4.3	23
23	Matrix Metalloproteinases. <i>Current Medicinal Chemistry</i> , 2010, 17, 3751-3768.	2.4	194
24	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, 4826-4842.	4.1	20
25	Magnetic nanoparticles and targeted drug delivering. <i>Pharmacological Research</i> , 2010, 62, 144-149.	7.1	556
26	Electrochemical biosensor for investigation of anticancer drugs interactions (doxorubicin and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462		
27	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
28	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
29	Chronopotentiometric Stripping Analysis of Gelatinase B, Collagen and Their Interaction. <i>Electroanalysis</i> , 2009, 21, 536-541.	2.9	17
30	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
31	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.	2.3	14
32	Automated nucleic acids isolation using paramagnetic microparticles coupled with electrochemical detection. <i>Talanta</i> , 2009, 79, 402-411.	5.5	38
33	Profiling of stress transcriptome of selected genes in plants treated with heavy metals. <i>Toxicology Letters</i> , 2009, 189, S161.	0.8	2
34	Affecting of aquatic vascular plant <i>Lemna minor</i> by cisplatin revealed by voltammetry. <i>Bioelectrochemistry</i> , 2008, 72, 59-65.	4.6	37
35	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
36	Miniaturized electrochemical detector as a tool for detection of DNA amplified by PCR. <i>Electrophoresis</i> , 2008, 29, 4964-4971.	2.4	18

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37	Employing of electroanalytical techniques for detection of silver(I) ions. Toxicology Letters, 2008, 180, S236-S237.	0.8	5
38	New approach for detection of copper using electrochemical methods. Toxicology Letters, 2008, 180, S237-S238.	0.8	0
39	Investigation of a role of metallothionein in resistance on platinum based cytostatics. Toxicology Letters, 2008, 180, S133.	0.8	1
40	Electroanalysis of cisplatinâ€“glutathione and cisplatinâ€“DNA interactions. Toxicology Letters, 2008, 180, S133.	0.8	1
41	Influence of Cadmium(II) Ions and Brewery Sludge on Metallothionein Level in Earthworms (Eisenia) Tj ETQq1 1 0.784314 rgBT /Overlo	3.8	18
42	Suggestion of electrochemical sensors for microanalysis of content of copper in biological samples. , 2008, , .		0
43	Spectrometric and Voltammetric Analysis of Urease â€“ Nickel Nanoelectrode as an Electrochemical Sensor. Sensors, 2007, 7, 1238-1255.	3.8	48
44	An Investigation of Glutathione-Platinum(II) Interactions by Means of the Flow Injection Analysis Using Glassy Carbon Electrode. Sensors, 2007, 7, 1256-1270.	3.8	22
45	Electroanalysis of Plant Thiols. Sensors, 2007, 7, 932-959.	3.8	72
46	A sensor for investigating the interaction between biologically important heavy metals and glutathione. Czech Journal of Animal Science, 2007, 52, 37-43.	1.3	23
47	Flow Injection Analysis Coupled with Carbon Electrodes as the Tool for Analysis of Naphthoquinones with Respect to Their Content and Functions in Biological Samples. Sensors, 2006, 6, 1466-1482.	3.8	29