

# Galina Z Gayda

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

593  
citations

687220

13  
h-index

610775

24  
g-index

31  
all docs

31  
docs citations

31  
times ranked

633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bi-enzyme l-arginine-selective amperometric biosensor based on ammonium-sensing polyaniline-modified electrode. <i>Biosensors and Bioelectronics</i> , 2012, 37, 46-52.	5.3	68
2	Synthesis, Catalytic Properties and Application in Biosensorics of Nanozymes and Electronanocatalysts: A Review. <i>Sensors</i> , 2020, 20, 4509.	2.1	61
3	Overexpression of pyruvate decarboxylase in the yeast <i>Hansenula polymorpha</i> results in increased ethanol yield in high-temperature fermentation of xylose. <i>FEMS Yeast Research</i> , 2008, 8, 1164-1174.	1.1	58
4	Reagentless amperometric formaldehyde-selective biosensors based on the recombinant yeast formaldehyde dehydrogenase. <i>Talanta</i> , 2008, 76, 837-846.	2.9	58
5	A novel l-lactate-selective biosensor based on flavocytochrome b2 from methylotrophic yeast <i>Hansenula polymorpha</i> . <i>Biosensors and Bioelectronics</i> , 2005, 20, 1285-1290.	5.3	43
6	Amperometric biosensors based on oxidases and PtRu nanoparticles as artificial peroxidase. <i>Food Chemistry</i> , 2019, 285, 213-220.	4.2	42
7	Bi-enzyme biosensor based on NAD <sup>+</sup> - and glutathione-dependent recombinant formaldehyde dehydrogenase and diaphorase for formaldehyde assay. <i>Sensors and Actuators B: Chemical</i> , 2007, 125, 1-9.	4.0	41
8	Metallic Nanoparticles Obtained via "Green" Synthesis as a Platform for Biosensor Construction. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 720.	1.3	40
9	Novel arginine deiminase-based method to assay l-arginine in beverages. <i>Food Chemistry</i> , 2016, 201, 320-326.	4.2	24
10	Immobilized formaldehyde-metabolizing enzymes from <i>Hansenula polymorpha</i> for removal and control of airborne formaldehyde. <i>Journal of Biotechnology</i> , 2011, 153, 138-144.	1.9	18
11	Detection of Waterborne and Airborne Formaldehyde: From Amperometric Chemosensing to a Visual Biosensor Based on Alcohol Oxidase. <i>Materials</i> , 2014, 7, 1055-1068.	1.3	18
12	Peroxidase-Like Metal-Based Nanozymes: Synthesis, Catalytic Properties, and Analytical Application. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 777.	1.3	15
13	Formaldehyde dehydrogenase from the recombinant yeast <i>Hansenula polymorpha</i> : isolation and bioanalytic application. <i>FEMS Yeast Research</i> , 2007, 7, 1153-1159.	1.1	13
14	Amperometric Biosensors for L-Arginine Determination Based on L-Arginine Oxidase and Peroxidase-Like Nanozymes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7024.	1.3	13
15	Recombinant human arginase I immobilized on gold and silver nanoparticles: preparation and properties. <i>Nanotechnology Development</i> , 2011, 1, 3.	0.6	12
16	Fluorometric enzymatic assay of l-arginine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 184-190.	2.0	12
17	Extracellular laccase from <i>Monilia fructicola</i> : isolation, primary characterization and application. <i>Cell Biology International</i> , 2021, 45, 536-548.	1.4	10
18	"Green" Prussian Blue Analogues as Peroxidase Mimetics for Amperometric Sensing and Biosensing. <i>Biosensors</i> , 2021, 11, 193.	2.3	8

#	ARTICLE	IF	CITATIONS
19	Alcohol Oxidase from the Methylotrophic Yeast <i>Ogataea polymorpha</i> : Isolation, Purification, and Bioanalytical Application. <i>Methods in Molecular Biology</i> , 2021, 2280, 231-248.	0.4	7
20	Highly Porous 3D Gold Enhances Sensitivity of Amperometric Biosensors Based on Oxidases and CuCe Nanoparticles. <i>Biosensors</i> , 2022, 12, 472.	2.3	6
21	Highly Sensitive Amperometric Sensor Based on Laccase-Mimicking Metal-Based Hybrid Nanozymes for Adrenaline Analysis in Pharmaceuticals. <i>Catalysts</i> , 2021, 11, 1510.	1.6	5
22	Formaldehyde Oxidizing Enzymes and Genetically Modified Yeast <i>Hansenula polymorpha</i> Cells in Monitoring and Removal of Formaldehyde. , 2011, , .		4
23	Promising Bioanalytical Approaches to Wine Analysis. , 2019, , 419-457.		4
24	Nanozymes with reductase-like activities: antioxidant properties and electrochemical behavior. <i>RSC Advances</i> , 2022, 12, 2026-2035.	1.7	4
25	Nanoparticles of Noble Metals as Effective Platforms for the Fabrication of Amperometric Biosensors on Hydrogen Peroxide. <i>Sensor Letters</i> , 2016, 14, 1169-1177.	0.4	3
26	ARGINASE-BASED AMPEROMETRIC BIOSENSOR FOR MANGANESE IONS ANALYSIS. <i>EUREKA Life Sciences</i> , 2016, 1, 22-28.	0.1	2
27	“Green” nanozymes: synthesis, characterization and application in amperometric (bio)sensors. , 0, , .		2
28	Arginine-hydrolyzing enzymes for electrochemical biosensors. <i>Current Opinion in Electrochemistry</i> , 2022, 33, 100941.	2.5	2
29	Effective Technologies for Isolating Yeast Oxido-Reductases of Analytical Importance. , 2019, , 119-151.		0
30	Yeast-Based Systems for Environmental Control. , 2017, , 373-390.		0
31	Highly Sensitive Amperometric Biosensors Based on Oxidases and CuCe Nanoparticles Coupled with Porous Gold. , 2022, 16, .		0