

Tzonka Godjevargova

List of Publications by Year in descending order

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52
papers

847
citations

430874

18
h-index

526287

27
g-index

52
all docs

52
docs citations

52
times ranked

1140
citing authors

#	ARTICLE	IF	CITATIONS
1	New amperometric glucose biosensor based on cross-linking of glucose oxidase on silica gel/multiwalled carbon nanotubes/polyacrylonitrile nanocomposite film. <i>Sensors and Actuators B: Chemical</i> , 2010, 148, 59-65.	7.8	61
2	Amperometric biosensor based on a site-specific immobilization of acetylcholinesterase via affinity bonds on a nanostructured polymer membrane with integrated multiwall carbon nanotubes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 63, 141-148.	1.8	53
3	Application of immobilized horseradish peroxidase onto modified acrylonitrile copolymer membrane in removing of phenol from water. <i>International Journal of Biological Macromolecules</i> , 2009, 44, 190-194.	7.5	52
4	Gluconic Acid Production in Bioreactor with Immobilized Glucose Oxidase Plus Catalase on Polymer Membrane Adjacent to Anion-Exchange Membrane. <i>Macromolecular Bioscience</i> , 2004, 4, 950-956.	4.1	47
5	Amperometric acetylthiocholine sensor based on acetylcholinesterase immobilized on nanostructured polymer membrane containing gold nanoparticles. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 62, 66-74.	1.8	45
6	Immobilization of urease on nanostructured polymer membrane and preparation of urea amperometric biosensor. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 620-626.	7.5	42
7	Poly(acrylonitrile)chitosan composite membranes for urease immobilization. <i>Journal of Biotechnology</i> , 2007, 129, 674-680.	3.8	39
8	The influence of the support nature on the kinetics parameters, inhibition constants and reactivation of immobilized acetylcholinesterase. <i>International Journal of Biological Macromolecules</i> , 2008, 43, 339-345.	7.5	37
9	Hydrolysis of whey lactose by immobilized β -galactosidase in a bioreactor with a spirally wound membrane. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 339-346.	7.5	35
10	Electrospun Polyacrylonitrile Nanofibrous Membranes Tailored for Acetylcholinesterase Immobilization. <i>Journal of Bioactive and Compatible Polymers</i> , 2010, 25, 40-57.	2.1	26
11	Immobilization of acetylcholinesterase on nanostructure polyacrylonitrile membranes. <i>International Journal of Biological Macromolecules</i> , 2009, 44, 338-345.	7.5	23
12	Immobilization of glucose oxidase by acrylonitrile copolymer coated silica supports. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2006, 38, 59-64.	1.8	22
13	Covalent Immobilization of Glucose Oxidase onto New Modified Acrylonitrile Copolymer/Silica Gel Hybrid Supports. <i>Macromolecular Bioscience</i> , 2005, 5, 760-766.	4.1	21
14	Immobilization of acetylcholinesterase on new modified acrylonitrile copolymer membranes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 55, 169-176.	1.8	21
15	Kinetic Parameters of Urease Immobilized on Modified Acrylonitrile Copolymer Membranes in the Presence and Absence of Cu(II) Ions. <i>Macromolecular Bioscience</i> , 2005, 5, 459-466.	4.1	20
16	Immunofluorescent Analysis with Magnetic Nanoparticles for Simultaneous Determination of Antibiotic Residues in Milk. <i>Analytical Letters</i> , 2013, 46, 1537-1552.	1.8	20
17	Amperometric inhibition-based detection of organophosphorus pesticides in unary and binary mixtures employing flow-injection analysis. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1098-1105.	7.8	19
18	Pore diffusion studies with immobilized glucose oxidase plus catalase membranes. <i>Enzyme and Microbial Technology</i> , 2006, 39, 1313-1318.	3.2	18

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19	Immobilization of β -galactosidase on modified polypropylene membranes. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 710-719.	7.5	18
20	Optimum immobilization of urease on modified acrylonitrile copolymer membranes: Inactivation by heavy metal ions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 60, 69-75.	1.8	17
21	Influence of different nanozeolite particles on the sensitivity of a glucose biosensor. <i>Analytical Biochemistry</i> , 2013, 439, 65-72.	2.4	17
22	Biodegradation of Phenol and Phenolic Derivatives by a Mixture of Immobilized Cells of <i>Aspergillus Awamori</i> and <i>Trichosporon Cutaneum</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2013, 27, 3681-3688.	1.3	14
23	Polyacrylonitrile Enzyme Ultrafiltration and Polyamide Enzyme Microfiltration Membranes Prepared by Diffusion and Convection. <i>Macromolecular Bioscience</i> , 2005, 5, 222-228.	4.1	13
24	Urea Amperometric Biosensors Based on Nanostructured Polypyrrole and Poly Ortho-Phenylenediamine. <i>Open Journal of Applied Biosensor</i> , 2013, 02, 12-19.	1.6	13
25	Sensitive Progesterone Determination Using a Magnetic Particle-Based Enzyme-Linked Immunosorbent Assay. <i>Analytical Letters</i> , 2015, 48, 843-860.	1.8	12
26	Rapid immunofluorescence assay for staphylococcal enterotoxin A using magnetic nanoparticles. <i>International Journal of Food Science and Technology</i> , 2019, 54, 916-922.	2.7	12
27	Determination of Aflatoxin M1 in Milk by a Magnetic Nanoparticle-Based Fluorescent Immunoassay. <i>Analytical Letters</i> , 2017, 50, 452-469.	1.8	11
28	Brewing yeast viability measured using a novel fluorescent dye and image cytometer. <i>Biotechnology and Biotechnological Equipment</i> , 2019, 33, 548-558.	1.3	11
29	Screening and production of a potent extracellular <i>Arthrobacter creatinolyticus</i> urease for determination of heavy metal ions. <i>Journal of Basic Microbiology</i> , 2014, 54, 285-295.	3.3	10
30	Immunofluorescence microscope assay of neutrophils and somatic cells in bovine milk. <i>Food and Agricultural Immunology</i> , 2017, 28, 1196-1210.	1.4	10
31	Flow-Injection System with Site-Specific Immobilization of Acetylcholinesterase Biosensor for Amperometric Detection of Organophosphate Pesticides. <i>Biotechnology and Biotechnological Equipment</i> , 2012, 26, 3044-3053.	1.3	9
32	Preparation of Polyclonal Antibodies with Application for an Organophosphorus Pesticide Immunoassay. <i>Analytical Letters</i> , 2017, 50, 1307-1324.	1.8	7
33	Comparison between direct and indirect immunofluorescence method for determination of somatic cell count. <i>Chemical Papers</i> , 2018, 72, 1861-1867.	2.2	7
34	Magnetic Nanoparticle-Based Fluorescence Immunoassay for Determination of Ochratoxin A in Milk. <i>Food Analytical Methods</i> , 2020, 13, 2238-2248.	2.6	7
35	Self-assembly of acetylcholinesterase on gold nanoparticles electrodeposited on graphite. <i>Open Chemistry</i> , 2013, 11, 1740-1748.	1.9	6
36	Evaluation of Immobilization Techniques for the Fabrication of Nanomaterial-Based Amperometric Glucose Biosensors. <i>Analytical Letters</i> , 2015, 48, 1297-1310.	1.8	6

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37	Magnetic nanoparticle-based fluorescent immunoassay for determination of progesterone in milk. <i>International Journal of Dairy Technology</i> , 2018, 71, 309-320.	2.8	6
38	Magnetic-nanoparticles-based fluorescent immunoassay for individual and simultaneous determination of dichlorvos and paraoxon in milk. <i>Food and Agricultural Immunology</i> , 2018, 29, 228-243.	1.4	6
39	Aflatoxin B1 Determination in Peanuts by Magnetic Nanoparticle-Based Immunofluorescence Assay. <i>Food Analytical Methods</i> , 2019, 12, 1456-1465.	2.6	6
40	Simultaneous determination of ochratoxin A and enterotoxin A in milk by magnetic nanoparticles based fluorescent immunoassay. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2021, 38, 1218-1236.	2.3	5
41	Immunofluorescence Assay Using Monoclonal and Polyclonal Antibodies for Detection of Staphylococcal Enterotoxins A in Milk. <i>Open Biotechnology Journal</i> , 2019, 13, 137-145.	1.2	5
42	Immobilization of urease on cation-exchange membranes prepared by radiation-initiated graft copolymerization of acrylic acid on polyethylene thin films. <i>Polymer Bulletin</i> , 2005, 55, 467-475.	3.3	4
43	Fluorescent immunoassay for determination of penicillin and sulphonamide residues in milk using carboxylic magnetic nanoparticles. <i>International Journal of Dairy Technology</i> , 2014, 67, 521-529.	2.8	4
44	CD34+ stem cell counting using labeled immobilized anti-CD34 antibody onto magnetic nanoparticles and EasyCounter BC image cytometer. <i>Analytical Biochemistry</i> , 2020, 610, 113929.	2.4	4
45	Influence of different nanoparticles on electrochemical behavior of glucose biosensor. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
46	Simultaneous Determination of Penicillin G and Chloramphenicol in Milk by a Magnetic Nanoparticle-Based Fluorescent Immunoassay. <i>Open Biotechnology Journal</i> , 2020, 14, 59-69.	1.2	2
47	Fluorescent Immunoassay for Determination of Staphylococcal Enterotoxin A in Milk by Immobilized F(ab') ₂ Fragment of Anti-enterotoxin A Monoclonal Antibody. <i>Food Analytical Methods</i> , 2021, 14, 1885-1894.	2.6	1
48	Simultaneous enumeration of CD34+ and CD45+ cells using EasyCounter image cytometer. <i>Analytical Biochemistry</i> , 2021, 632, 114351.	2.4	1
49	Influence of Cu ²⁺ on the Amino Acids Profile of <i>Saccharomyces cerevisiae</i> RD1 during Growth. <i>Bioremediation Journal</i> , 2011, 15, 35-38.	2.0	0
50	Enzyme-linked immunosorbent assay for determination of aflatoxin M1 based on magnetic nanoparticles. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
51	Multiplex fluorescent immunoassay device based on magnetic nanoparticles. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
52	Magnetic Nanoparticle Based Immunofluorescence Assay for the Determination of Aflatoxin B1. <i>Journal of Analytical Chemistry</i> , 2021, 76, 80-88.	0.9	0