

Mihaela Puiu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3925004/publications.pdf>

Version: 2024-02-01

31
papers

617
citations

759233

12
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

916
citing authors

#	ARTICLE	IF	CITATIONS
1	SPR and SPR Imaging: Recent Trends in Developing Nanodevices for Detection and Real-Time Monitoring of Biomolecular Events. <i>Sensors</i> , 2016, 16, 870.	3.8	142
2	Peptide-based biosensors: From self-assembled interfaces to molecular probes in electrochemical assays. <i>Bioelectrochemistry</i> , 2018, 120, 66-75.	4.6	72
3	Kinetic approach of aflatoxin B1 acetylcholinesterase interaction: A tool for developing surface plasmon resonance biosensors. <i>Analytical Biochemistry</i> , 2012, 421, 587-594.	2.4	51
4	Microfluidics-integrated biosensing platforms as emergency tools for on-site field detection of foodborne pathogens. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 125, 115831.	11.4	45
5	Advances in Electrochemical Impedance Spectroscopy Detection of Endocrine Disruptors. <i>Sensors</i> , 2020, 20, 6443.	3.8	42
6	A modular electrochemical peptide-based sensor for antibody detection. <i>Chemical Communications</i> , 2014, 50, 8962.	4.1	40
7	Enhanced Sensitive Love Wave Surface Acoustic Wave Sensor Designed for Immunoassay Formats. <i>Sensors</i> , 2015, 15, 10511-10525.	3.8	29
8	Fast decolourization of Indigo Carmine and Crystal Violet in aqueous environments through micellar catalysis. <i>Separation and Purification Technology</i> , 2019, 210, 698-709.	7.9	19
9	Oxidase peroxidase reaction: kinetics of peroxidase-catalysed oxidation of 2-aminophenol. <i>Bioprocess and Biosystems Engineering</i> , 2008, 31, 579-586.	3.4	16
10	Kinetics of hydrogen peroxide decomposition by catalase: hydroxylic solvent effects. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 1523-1530.	3.4	15
11	Estimation of the overall kinetic parameters of enzyme inactivation using an isoconversional method. <i>Biophysical Chemistry</i> , 2008, 138, 50-54.	2.8	14
12	Peroxidase-mediated oxidation of l-dopa: A kinetic approach. <i>Biochemical Engineering Journal</i> , 2010, 52, 248-254.	3.6	14
13	Paper-based diagnostic platforms and devices. <i>Current Opinion in Electrochemistry</i> , 2021, 27, 100726.	4.8	14
14	Influence of surfactants on the fading of malachite green. <i>Open Chemistry</i> , 2008, 6, 89-92.	1.9	12
15	Inactivation path during the copper (II) catalyzed synthesis of Questiomycin A from oxidation of 2-aminophenol. <i>Applied Catalysis A: General</i> , 2012, 447-448, 74-80.	4.3	12
16	Building switchable peptide-architectures on gold/composite surfaces: New perspectives in electrochemical bioassays. <i>Current Opinion in Electrochemistry</i> , 2018, 12, 13-20.	4.8	12
17	Kinetics of thermal inactivation of catalase in the presence of additives. <i>Process Biochemistry</i> , 2013, 48, 471-477.	3.7	10
18	Detecting Operational Inactivation of Horseradish Peroxidase using an Isoconversional Method. <i>Chemical Engineering and Technology</i> , 2010, 33, 414-420.	1.5	9

#	ARTICLE	IF	CITATIONS
19	Biomimetic Sensors Based on Molecularly Imprinted Interfaces. <i>Comprehensive Analytical Chemistry</i> , 2017, 77, 147-177.	1.3	9
20	Feed-back action of nitrite in the oxidation of nitrophenols by bicarbonate-activated peroxide system. <i>Applied Catalysis A: General</i> , 2016, 516, 90-99.	4.3	8
21	Multi-frequency analysis in a single square-wave chronoamperometric experiment. <i>Electrochemistry Communications</i> , 2021, 124, 106943.	4.7	8
22	Temperature and pH effects on the kinetics of 2-aminophenol auto-oxidation in aqueous solution. <i>Open Chemistry</i> , 2003, 1, 233-241.	1.9	7
23	Significance Testing and Multivariate Analysis of Datasets from Surface Plasmon Resonance and Surface Acoustic Wave Biosensors: Prediction and Assay Validation for Surface Binding of Large Analytes. <i>Sensors</i> , 2018, 18, 3541.	3.8	6
24	Reusable hybrid nanocomposites for clean degradation of dye waste under visible light. <i>Materials Today Communications</i> , 2022, 30, 103091.	1.9	3
25	Permanganate-assisted removal of PCR inhibitors during the DNA Chelex extraction from stained denim samples. <i>International Journal of Legal Medicine</i> , 2017, 131, 323-331.	2.2	2
26	Early detection of cannabinoids in biological samples based on their affinity interaction with the growth hormone secretagogue receptor. <i>Talanta</i> , 2022, 237, 122905.	5.5	2
27	Label-free detection of target proteins using peptide molecular wires as conductive supports. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130416.	7.8	2
28	Peptide-based electrochemical biosensors. , 2019, , 277-306.		1
29	Early Detection of Growth Hormone Secretagogue Receptor Antagonists Exploiting Their Atypical Behavior in Competitive Assays. <i>Analytical Chemistry</i> , 2019, 91, 14812-14817.	6.5	1
30	New Routes in the High-Throughput Screening of Toxic Proteins Using Immunochemical Tools. <i>Advanced Sciences and Technologies for Security Applications</i> , 2016, , 35-59.	0.5	0
31	Plasmonic biosensors in medical applications. , 2022, , .		0