

Zuzana Byteán-ková

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,362
citations

567281

15
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

2237
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced graphene oxide/ZnO nanocomposite modified electrode for the detection of tetracycline. Journal of Materials Science, 2022, 57, 5533-5551.	3.7	13
2	Graphene oxide as a novel tool for mycotoxin removal. Food Control, 2021, 121, 107611.	5.5	15
3	Peptide-based electrochemical biosensors utilized for protein detection. Biosensors and Bioelectronics, 2021, 180, 113087.	10.1	70
4	Silver nanoparticles eliminate Xanthomonas campestris pv. campestris in cabbage seeds more efficiently than hot water treatment. Materials Today Communications, 2021, 27, 102284.	1.9	8
5	A critical comparison of natural enzymes and nanozymes in biosensing and bioassays. Biosensors and Bioelectronics, 2021, 192, 113494.	10.1	60
6	New insights into mechanisms of copper nanoparticle toxicity in freshwater algae Chlamydomonas reinhardtii: Effects on the pathways of secondary metabolites. Algal Research, 2021, 60, 102476.	4.6	11
7	The Effects of Serendipita indica and Guanidine-Modified Nanomaterial on Growth and Development of Cabbage Seedlings and Black Spot Infestation. Agriculture (Switzerland), 2021, 11, 1295.	3.1	4
8	Encapsulation of Doxorubicin in Furcellaran/Chitosan Nanocapsules by Layer-by-Layer Technique for Selectively Controlled Drug Delivery. Biomacromolecules, 2020, 21, 418-434.	5.4	26
9	Label-Free DNA Biosensor Using Modified Reduced Graphene Oxide Platform as a DNA Methylation Assay. Materials, 2020, 13, 4936.	2.9	16
10	Graphene Oxide as a Nanocarrier for Biochemical Molecules: Current Understanding and Trends. Processes, 2020, 8, 1636.	2.8	9
11	The Effect of Synthesis Procedure on Hydrogen Peroxidase-Like Catalytic Activity of Iron Oxide Magnetic Particles. Applied Sciences (Switzerland), 2020, 10, 6756.	2.5	1
12	Highly sensitive simultaneous electrochemical determination of reduced and oxidized glutathione in urine samples using antimony trioxide modified carbon paste electrode. Sensors and Actuators B: Chemical, 2020, 318, 128141.	7.8	18
13	HIGHLY SELECTIVE AND SENSITIVE ELECTROCHEMICAL BIOSENSOR BASED ON ELECTROCHEMICALLY REDUCED GRAPHENE OXIDE FOR DETECTION OF MIRNA AS A CANCER BIOMARKER. , 2020, , .		0
14	ZnO NANOPARTICLES: SYNTHESIS AND EVOLUTION. , 2020, , .		0
15	AN ELECTROCHEMICAL BIOSENSOR DEVELOPED FOR THE ONLINE MONITORING OF H2O2 BASED ON THE REDUCED GRAPHENE OXIDE-CERIUM DIOXIDE NANOCOMPOSITE. , 2020, , .		0
16	ELECTROCHEMICAL BIOSENSOR BASED ON MODIFIED REDUCED GRAPHENE OXIDE WITH SILVER NANOPARTICLES FOR DETECTION OF METHYLATED DNA. , 2020, , .		0
17	STABILITY OF ZN AND CU NANOPARTICLES STUDIED IN AQUEOUS MEDIUM BY SCANNING ELECTRON MICROSCOPY. , 2020, , .		0
18	Intelligent and active composite films based on furcellaran: Structural characterization, antioxidant and antimicrobial activities. Food Packaging and Shelf Life, 2019, 22, 100405.	7.5	30

#	ARTICLE	IF	CITATIONS
19	Development of furcellaran-gelatin films with Se-AgNPs as an active packaging system for extension of mini kiwi shelf life. <i>Food Packaging and Shelf Life</i> , 2019, 21, 100339.	7.5	60
20	Graphene oxide as a tool for antibiotic-resistant gene removal: a review. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20148-20163.	5.3	29
21	Electrochemical Evaluation of Selenium (IV) Removal from Its Aqueous Solutions by Unmodified and Modified Graphene Oxide. <i>Molecules</i> , 2019, 24, 1063.	3.8	7
22	ZincÂphosphate-based nanoparticles as a novel antibacterial agent: in vivo study on rats after dietary exposure. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 17.	5.3	27
23	Europium and terbium Schiff base peptide complexes as potential antimicrobial agents against <i>Salmonella typhimurium</i> and <i>Pseudomonas aeruginosa</i> . <i>Chemical Papers</i> , 2018, 72, 1437-1449.	2.2	2
24	Development and characterisation of furcellaran-gelatin films containing SeNPs and AgNPs that have antimicrobial activity. <i>Food Hydrocolloids</i> , 2018, 83, 9-16.	10.7	59
25	Selenium nanoparticles as a nutritional supplement. <i>Nutrition</i> , 2017, 33, 83-90.	2.4	345
26	Current trends in electrochemical sensing and biosensing of DNA methylation. <i>Biosensors and Bioelectronics</i> , 2017, 97, 384-399.	10.1	43
27	Magnetic Nanoparticles: From Design and Synthesis to Real World Applications. <i>Nanomaterials</i> , 2017, 7, 243.	4.1	436
28	Improved Electrochemical Detection of Zinc Ions Using Electrode Modified with Electrochemically Reduced Graphene Oxide. <i>Materials</i> , 2016, 9, 31.	2.9	34
29	The Composites of Graphene Oxide with Metal or Semimetal Nanoparticles and Their Effect on Pathogenic Microorganisms. <i>Materials</i> , 2015, 8, 2994-3011.	2.9	38
30	Graphene Oxide Based Nanocomposite for Crop Protection. , 0, , .		0