

Zuzana Byteňáková

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,362
citations

566801

15
h-index

610482

24
g-index

31
all docs

31
docs citations

31
times ranked

2237
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Nanoparticles: From Design and Synthesis to Real World Applications. <i>Nanomaterials</i> , 2017, 7, 243.	1.9	436
2	Selenium nanoparticles as a nutritional supplement. <i>Nutrition</i> , 2017, 33, 83-90.	1.1	345
3	Peptide-based electrochemical biosensors utilized for protein detection. <i>Biosensors and Bioelectronics</i> , 2021, 180, 113087.	5.3	70
4	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.	3.3	60
5	A critical comparison of natural enzymes and nanozymes in biosensing and bioassays. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113494.	5.3	60
6	Development and characterisation of furcellaran-gelatin films containing SeNPs and AgNPs that have antimicrobial activity. <i>Food Hydrocolloids</i> , 2018, 83, 9-16.	5.6	59
7	Current trends in electrochemical sensing and biosensing of DNA methylation. <i>Biosensors and Bioelectronics</i> , 2017, 97, 384-399.	5.3	43
8	The Composites of Graphene Oxide with Metal or Semimetal Nanoparticles and Their Effect on Pathogenic Microorganisms. <i>Materials</i> , 2015, 8, 2994-3011.	1.3	38
9	Improved Electrochemical Detection of Zinc Ions Using Electrode Modified with Electrochemically Reduced Graphene Oxide. <i>Materials</i> , 2016, 9, 31.	1.3	34
10	Intelligent and active composite films based on furcellaran: Structural characterization, antioxidant and antimicrobial activities. <i>Food Packaging and Shelf Life</i> , 2019, 22, 100405.	3.3	30
11	Graphene oxide as a tool for antibiotic-resistant gene removal: a review. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20148-20163.	2.7	29
12	Zinc Phosphate-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.	2.1	27
13	Encapsulation of Doxorubicin in Furcellaran/Chitosan Nanocapsules by Layer-by-Layer Technique for Selectively Controlled Drug Delivery. <i>Biomacromolecules</i> , 2020, 21, 418-434.	2.6	26
14	Highly sensitive simultaneous electrochemical determination of reduced and oxidized glutathione in urine samples using antimony trioxide modified carbon paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2020, 318, 128141.	4.0	18
15	Label-Free DNA Biosensor Using Modified Reduced Graphene Oxide Platform as a DNA Methylation Assay. <i>Materials</i> , 2020, 13, 4936.	1.3	16
16	Graphene oxide as a novel tool for mycotoxin removal. <i>Food Control</i> , 2021, 121, 107611.	2.8	15
17	Reduced graphene oxide/ZnO nanocomposite modified electrode for the detection of tetracycline. <i>Journal of Materials Science</i> , 2022, 57, 5533-5551.	1.7	13
18	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.	2.4	11

#	ARTICLE	IF	CITATIONS
19	Graphene Oxide as a Nanocarrier for Biochemical Molecules: Current Understanding and Trends. Processes, 2020, 8, 1636.	1.3	9
20	Silver nanoparticles eliminate Xanthomonas campestris pv. campestris in cabbage seeds more efficiently than hot water treatment. Materials Today Communications, 2021, 27, 102284.	0.9	8
21	Electrochemical Evaluation of Selenium (IV) Removal from Its Aqueous Solutions by Unmodified and Modified Graphene Oxide. Molecules, 2019, 24, 1063.	1.7	7
22	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.	1.4	4
23	Europium and terbium Schiff base peptide complexes as potential antimicrobial agents against Salmonella typhimurium and Pseudomonas aeruginosa. Chemical Papers, 2018, 72, 1437-1449.	1.0	2
24	The Effect of Synthesis Procedure on Hydrogen Peroxidase-Like Catalytic Activity of Iron Oxide Magnetic Particles. Applied Sciences (Switzerland), 2020, 10, 6756.	1.3	1
25	Graphene Oxide Based Nanocomposite for Crop Protection. , 0, , .		0
26	HIGHLY SELECTIVE AND SENSITIVE ELECTROCHEMICAL BIOSENSOR BASED ON ELECTROCHEMICALLY REDUCED GRAPHENE OXIDE FOR DETECTION OF MIRNA AS A CANCER BIOMARKER. , 2020, , .		0
27	ZnO NANOPARTICLES: SYNTHESIS AND EVOLUTION. , 2020, , .		0
28	AN ELECTROCHEMICAL BIOSENSOR DEVELOPED FOR THE ONLINE MONITORING OF H2O2 BASED ON THE REDUCED GRAPHENE OXIDE-CERIUM DIOXIDE NANOCOMPOSITE. , 2020, , .		0
29	ELECTROCHEMICAL BIOSENSOR BASED ON MODIFIED REDUCED GRAPHENE OXIDE WITH SILVER NANOPARTICLES FOR DETECTION OF METHYLATED DNA. , 2020, , .		0
30	STABILITY OF ZN AND CU NANOPARTICLES STUDIED IN AQUEOUS MEDIUM BY SCANNING ELECTRON MICROSCOPY. , 2020, , .		0