

Ivan N Minkov

List of Publications by Year in descending order

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48
papers

1,872
citations

471509

17
h-index

265206

42
g-index

49
all docs

49
docs citations

49
times ranked

2875
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptomic Footprints Disclose Specificity of Reactive Oxygen Species Signaling in Arabidopsis. <i>Plant Physiology</i> , 2006, 141, 436-445.	4.8	683
2	Molecular mechanisms of desiccation tolerance in the resurrection glacial relic <i>Haberlea rhodopensis</i> . <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 689-709.	5.4	168
3	Hydrogen Peroxide-induced Cell Death in Arabidopsis: Transcriptional and Mutant Analysis Reveals a Role of an Oxoglutarate-dependent Dioxygenase Gene in the Cell Death Process. <i>IUBMB Life</i> , 2005, 57, 181-188.	3.4	117
4	Different responses of tobacco antioxidant enzymes to light and chilling stress. <i>Journal of Plant Physiology</i> , 2003, 160, 509-515.	3.5	107
5	Characterization of the RNA motif responsible for the specific interaction of potato spindle tuber viroid RNA (PSTVd) and the tomato protein Virp1. <i>Nucleic Acids Research</i> , 2003, 31, 5534-5543.	14.5	82
6	Characterization of the uterine leiomyoma microRNAome by deep sequencing. <i>Genomics</i> , 2012, 99, 275-281.	2.9	66
7	The Use of Transient Expression Systems for the Rapid Production of Virus-like Particles in Plants. <i>Current Pharmaceutical Design</i> , 2013, 19, 5564-5573.	1.9	62
8	isomiRex: Web-based identification of microRNAs, isomiR variations and differential expression using next-generation sequencing datasets. <i>FEBS Letters</i> , 2013, 587, 2629-2634.	2.8	61
9	Computational identification of novel microRNA homologs in the chimpanzee genome. <i>Computational Biology and Chemistry</i> , 2009, 33, 62-70.	2.3	39
10	Essential global role of <i>CDC14</i> in DNA synthesis revealed by chromosome underreplication unrecognized by checkpoints in <i>cdc14</i> mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14466-14471.	7.1	36
11	Identification of cis-regulatory elements specific for different types of reactive oxygen species in <i>Arabidopsis thaliana</i> . <i>Gene</i> , 2012, 499, 52-60.	2.2	36
12	Solubilization, Activation, and Insecticidal Activity of <i>Bacillus thuringiensis</i> Serovar thompsoni HD542 Crystal Proteins. <i>Applied and Environmental Microbiology</i> , 2008, 74, 7145-7151.	3.1	26
13	Properties of reformed prolamellar bodies from illuminated and redarkened etiolated wheat plants. <i>Physiologia Plantarum</i> , 1988, 72, 725-732.	5.2	23
14	miRTour: Plant miRNA and target prediction tool. <i>Bioinformatics</i> , 2011, 6, 248-249.	0.5	23
15	Plant-based expression and characterization of SARS-CoV-2 virus-like particles presenting a native spike protein. <i>Plant Biotechnology Journal</i> , 2022, 20, 1363-1372.	8.3	23
16	Activity of <i>Bacillus thuringiensis</i> δ -endotoxins against codling moth (<i>Cydia pomonella</i> L.) larvae. <i>Journal of Invertebrate Pathology</i> , 2006, 92, 96-99.	3.2	22
17	Increasing Hepatitis E Virus Seroprevalence in Domestic Pigs and Wild Boar in Bulgaria. <i>Animals</i> , 2020, 10, 1521.	2.3	22
18	Prompt response of superoxide dismutase and peroxidase to dehydration and rehydration of the resurrection plant <i>Haberlea rhodopensis</i> . <i>Plant Growth Regulation</i> , 2009, 57, 49-56.	3.4	19

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19	Implementation of a de novo genome-wide computational approach for updating Brachypodium miRNAs. <i>Genomics</i> , 2011, 97, 282-293.	2.9	17
20	Identification of RNA-dependent DNA-methylation regulated promoters in Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 393-400.	5.8	16
21	A strategy for conservation and investigation of the protected resurrection plant <i>Haberlea rhodopensis</i> Friv.. <i>BioRisk</i> , 0, 6, 41-60.	0.2	16
22	Molecular cloning and characterization of cDNAs of the superoxide dismutase gene family in the resurrection plant <i>Haberlea rhodopensis</i> . <i>Plant Physiology and Biochemistry</i> , 2012, 55, 85-92.	5.8	16
23	Detection of Serum Antibodies to Hepatitis E Virus Based on HEV Genotype 3 ORF2 Capsid Protein Expressed in <i>Nicotiana benthamiana</i> . <i>Annals of Laboratory Medicine</i> , 2017, 37, 313-319.	2.5	16
24	Rapid High-Yield Transient Expression of Swine Hepatitis E ORF2 Capsid Proteins in <i>Nicotiana benthamiana</i> Plants and Production of Chimeric Hepatitis E Virus-Like Particles Bearing the M2e Influenza Epitope. <i>Plants</i> , 2020, 9, 29.	3.5	15
25	Efficient Production of Chimeric Hepatitis B Virus-Like Particles Bearing an Epitope of Hepatitis E Virus Capsid by Transient Expression in <i>Nicotiana benthamiana</i> . <i>Life</i> , 2021, 11, 64.	2.4	15
26	Micro RNA HSA-486-3P Gene Expression Profiling in the Whole Blood of Patients with Autism. <i>Biotechnology and Biotechnological Equipment</i> , 2012, 26, 3385-3388.	1.3	14
27	A novel Cry9Aa with increased toxicity for <i>Spodoptera exigua</i> (H ¹⁴ bner). <i>Journal of Invertebrate Pathology</i> , 2014, 115, 99-101.	3.2	12
28	Conservation of the Protected Resurrection Species <i>Ramonda Serbica</i> Pan ¹ Habitat Montana District, Bulgaria as <i>In Vitro</i> Plants Through a Modified Micropropagation System. <i>Biotechnology and Biotechnological Equipment</i> , 2009, 23, 369-372.	1.3	11
29	Ecological Characteristics and Conservation of the Protected Resurrection Species <i>Haberlea Rhodopensis</i> Friv. as <i>In Vitro</i> Plants Through a Modified Micropropagation System. <i>Biotechnology and Biotechnological Equipment</i> , 2010, 24, 213-217.	1.3	11
30	Organization of protochlorophyllide oxidoreductase in prolamellar bodies isolated from etiolated carotenoid-deficient wheat leaves as revealed by fluorescence probes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1716, 97-103.	2.6	10
31	Carboxy-Terminal Extension Effects on Crystal Formation and Insecticidal Properties of Colorado Potato Beetle-Active <i>Bacillus thuringiensis</i> δ -Endotoxins. <i>Molecular Biotechnology</i> , 2006, 32, 185-196.	2.4	10
32	Investigation of Fasciculation and Elongation Protein Fzr-1 (FEZ1) in Peripheral Blood Reveals Differences in Gene Expression in Patients with Schizophrenia. <i>Balkan Journal of Medical Genetics</i> , 2015, 18, 31-38.	0.5	10
33	Initial Determination of Polymorphism and <i>In Vitro</i> Conservation of Some <i>Ramonda Serbica</i> and <i>Ramonda Nathaliae</i> Populations from Albania, Macedonia and Bulgaria. <i>Biotechnology and Biotechnological Equipment</i> , 2012, 26, 16-25.	1.3	9
34	Plant-Derived Recombinant Vaccines against Zoonotic Viruses. <i>Life</i> , 2022, 12, 156.	2.4	9
35	Carboxy-terminal extension effects on crystal formation and insecticidal properties of Cry15Aa. <i>Journal of Invertebrate Pathology</i> , 2011, 108, 56-58.	3.2	8
36	Isolation and characterization of Arabidopsis mutants with enhanced tolerance to oxidative stress. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 375-382.	2.1	8

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37	Carotenoid dependence of the protochlorophyllide to chlorophyllide phototransformation in dark-grown wheat seedlings. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2001, 65, 171-176.	3.8	7
38	Expression of Synthetic SN 19 Hybrid Delta-Endotoxin Encoding Gene in Transgenic Potato. <i>Biotechnology and Biotechnological Equipment</i> , 2006, 20, 38-41.	1.3	5
39	Enhanced chlorophyllide accumulation after flash irradiation of etiolated wheat plants treated with SAN-9789. <i>Journal of Plant Physiology</i> , 1997, 151, 649-653.	3.5	4
40	Effect of Cadmium on <i>Arabidopsis Thaliana</i> Mutants Tolerant to Oxidative Stress. <i>Biotechnology and Biotechnological Equipment</i> , 2010, 24, 113-118.	1.3	4
41	The Multiverse of Plant Small RNAs: How Can We Explore It?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3979.	4.1	4
42	Protochlorophyllide and Chlorophyllide in Reformed Prolamellar Bodies and Thylakoids of Irradiated Dark-grown Wheat (<i>Triticum aestivum</i> L.). <i>Journal of Plant Physiology</i> , 1993, 141, 708-713.	3.5	3
43	Investigation of the porphyrins accumulation in barley leaves incubated with Mn ²⁺ cations and δ -aminolevulinic acid. <i>Journal of Plant Physiology</i> , 2002, 159, 1047-1053.	3.5	2
44	Induction of Porphyrin Biosynthesis by 5-Aminolevulinic Acid, Glutamic Acid, and 1,10-Phenanthroline and Their Possible Photodynamic Action in Wheat and Mustard Plants. <i>Photosynthetica</i> , 2001, 39, 597-601.	1.7	1
45	Identification of Potato Spindle Tuber Viroid Small RNA in <i>Orobanche Ramosa</i> by Microarray. <i>Biotechnology and Biotechnological Equipment</i> , 2010, 24, 144-146.	1.3	1
46	Detection of Potato spindle tuber viroid sequence variants derived from PSTVd-infected <i>Phelipanche ramosa</i> flower organs of tomato plants. <i>Biotechnology and Biotechnological Equipment</i> , 2014, 28, 402-407.	1.3	1
47	Assessment of Genetic Diversity of <i>Haberlea Rhodopensis</i> Friv. by ITS1 Markers. <i>Biotechnology and Biotechnological Equipment</i> , 2012, 26, 26-31.	1.3	0
48	Identification of mtDNA 7028C and 16519T Polymorphisms in a Pediatric-Onset Cyclic Vomiting Syndrome (CVS) Patient. <i>Biotechnology and Biotechnological Equipment</i> , 2013, 27, 4111-4114.	1.3	0