

Tudor Borza

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,869
citations

257101

24
h-index

264894

42
g-index

52
all docs

52
docs citations

52
times ranked

2448
citing authors

#	ARTICLE	IF	CITATIONS
1	Parallel adaptive evolution of Atlantic cod on both sides of the Atlantic Ocean in response to temperature. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3725-3734.	1.2	206
2	Tracing the Evolution of the Light-Harvesting Antennae in Chlorophyll a/b-Containing Organisms. <i>Plant Physiology</i> , 2007, 143, 1802-1816.	2.3	179
3	Genomic islands of divergence and their consequences for the resolution of spatial structure in an exploited marine fish. <i>Evolutionary Applications</i> , 2013, 6, 450-461.	1.5	136
4	Carrageenans from Red Seaweeds As Promoters of Growth and Elicitors of Defense Response in Plants. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	129
5	Development of a SNP resource and a genetic linkage map for Atlantic cod (<i>Gadus morhua</i>). <i>BMC Genomics</i> , 2010, 11, 191.	1.2	120
6	Proteomics analysis suggests broad functional changes in potato leaves triggered by phosphites and a complex indirect mode of action against <i>Phytophthora infestans</i> . <i>Journal of Proteomics</i> , 2013, 93, 207-223.	1.2	83
7	Multiple Metabolic Roles for the Nonphotosynthetic Plastid of the Green Alga <i>Prototheca wickerhamii</i> . <i>Eukaryotic Cell</i> , 2005, 4, 253-261.	3.4	65
8	Evaluating SNP ascertainment bias and its impact on population assignment in Atlantic cod, <i>Gadus morhua</i> . <i>Molecular Ecology Resources</i> , 2011, 11, 218-225.	2.2	59
9	<i>Ascophyllum nodosum</i> extract mitigates salinity stress in <i>Arabidopsis thaliana</i> by modulating the expression of miRNA involved in stress tolerance and nutrient acquisition. <i>PLoS ONE</i> , 2018, 13, e0206221.	1.1	54
10	Diffusional water permeability of mammalian red blood cells. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1995, 112, 653-659.	0.7	53
11	Seaweed-Based Compounds and Products for Sustainable Protection against Plant Pathogens. <i>Marine Drugs</i> , 2021, 19, 59.	2.2	44
12	Development and Experimental Validation of a 20K Atlantic Cod (<i>Gadus morhua</i>) Oligonucleotide Microarray Based on a Collection of over 150,000 ESTs. <i>Marine Biotechnology</i> , 2011, 13, 733-750.	1.1	41
13	Evolutionary Rates and Expression Level in <i>Chlamydomonas</i> . <i>Genetics</i> , 2006, 172, 1567-1576.	1.2	37
14	An Integrated Approach to Gene Discovery and Marker Development in Atlantic Cod (<i>Gadus morhua</i>). <i>Marine Biotechnology</i> , 2011, 13, 242-255.	1.1	37
15	Long Distance Linkage Disequilibrium and Limited Hybridization Suggest Cryptic Speciation in Atlantic Cod. <i>PLoS ONE</i> , 2014, 9, e106380.	1.1	37
16	Red Seaweeds <i>Sarcodiotheca gaudichaudii</i> and <i>Chondrus crispus</i> down Regulate Virulence Factors of <i>Salmonella Enteritidis</i> and Induce Immune Responses in <i>Caenorhabditis elegans</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 421.	1.5	35
17	Structural and nucleotide-binding properties of YajQ and YnaF, two <i>Escherichia coli</i> proteins of unknown function. <i>Protein Science</i> , 2008, 11, 2551-2560.	3.1	33
18	Atlantic cod (<i>Gadus morhua</i>) hemoglobin genes: multiplicity and polymorphism. <i>BMC Genetics</i> , 2009, 10, 51.	2.7	33

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19	Similar Relative Mutation Rates in the Three Genetic Compartments of <i>Mesostigma</i> and <i>Chlamydomonas</i> . <i>Protist</i> , 2012, 163, 105-115.	0.6	32
20	Biostimulant and fungicidal effects of phosphite assessed by GC-TOF-MS analysis of potato leaf metabolome. <i>Physiological and Molecular Plant Pathology</i> , 2019, 106, 49-56.	1.3	32
21	A Land Plant-Specific Multigene Family in the Unicellular <i>Mesostigma</i> Argues for Its Close Relationship to Streptophyta. <i>Molecular Biology and Evolution</i> , 2006, 23, 1011-1015.	3.5	31
22	Synaptogyrin-2 influences replication of Porcine circovirus 2. <i>PLoS Genetics</i> , 2018, 14, e1007750.	1.5	28
23	Atlantic cod (<i>Gadus morhua</i>) CC chemokines: Diversity and expression analysis. <i>Developmental and Comparative Immunology</i> , 2010, 34, 904-913.	1.0	27
24	IMP, GTP, and 6-Phosphoryl-IMP Complexes of Recombinant Mouse Muscle Adenylosuccinate Synthetase. <i>Journal of Biological Chemistry</i> , 2002, 277, 26779-26787.	1.6	25
25	Ion chromatography analysis of phosphite uptake and translocation by potato plants: Dose-dependent uptake and inhibition of <i>Phytophthora infestans</i> development. <i>Crop Protection</i> , 2014, 56, 74-81.	1.0	25
26	Comparative nuclear magnetic resonance studies on water diffusional permeability of red blood cells from mice and rats. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1993, 104, 491-495.	0.7	24
27	Regulation of Expression of the 2-Deoxy- d -Ribose Utilization Regulon, <i>deoQKPX</i> , from <i>Salmonella enterica</i> Serovar Typhimurium. <i>Journal of Bacteriology</i> , 2003, 185, 6042-6050.	1.0	23
28	Exogenous phosphite application alleviates the adverse effects of heat stress and improves thermotolerance of potato (<i>Solanum tuberosum</i> L.) seedlings. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110048.	2.9	22
29	Recombinant Mouse Muscle Adenylosuccinate Synthetase. <i>Journal of Biological Chemistry</i> , 2001, 276, 42146-42152.	1.6	19
30	Integrating the markers Pan I and haemoglobin with the genetic linkage map of Atlantic cod (<i>Gadus</i>) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 5	0.6	18
31	Comparative nuclear magnetic resonance studies of diffusional water permeability of red blood cells from different species. VIII. Adult and fetal guinea pig (<i>Cavia procellus</i>). <i>Comparative Haematology International</i> , 1995, 5, 106-111.	0.5	16
32	Variations in the Response of Mouse Isozymes of Adenylosuccinate Synthetase to Inhibitors of Physiological Relevance. <i>Journal of Biological Chemistry</i> , 2003, 278, 6673-6679.	1.6	15
33	Phosphite uptake and distribution in potato tubers following foliar and postharvest applications of phosphite-based fungicides for late blight control. <i>Annals of Applied Biology</i> , 2017, 170, 127-139.	1.3	15
34	MITOCHONDRIAL DNA IN THE <i>OOGAMOCHLAMYS</i> CLADE (CHLOROPHYCEAE): HIGH GC CONTENT AND UNIQUE GENOME ARCHITECTURE FOR GREEN ALGAE ¹ . <i>Journal of Phycology</i> , 2009, 45, 1323-1334.	1.0	12
35	Intersubunit Ionic Interactions Stabilize the Nucleoside Diphosphate Kinase of <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , 2013, 8, e57867.	1.1	12
36	Comparative nuclear magnetic resonance studies of diffusional water permeability of red blood cells from different species. Vë"Rabbit (<i>Oryctolagus Cuniculus</i>). <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1993, 106, 281-285.	0.2	11

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37	Feedback Inhibition and Product Complexes of Recombinant Mouse Muscle Adenylosuccinate Synthetase. <i>Journal of Biological Chemistry</i> , 2002, 277, 40536-40543.	1.6	11
38	Effects of phosphite as a plant biostimulant on metabolism and stress response for better plant performance in <i>Solanum tuberosum</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 210, 111873.	2.9	11
39	Incidence and abundance of <i>Verticillium dahliae</i> in soil from various agricultural fields in Prince Edward Island, Canada. <i>European Journal of Plant Pathology</i> , 2018, 151, 825-830.	0.8	10
40	Detection of atypical porcine pestivirus genome in newborn piglets affected by congenital tremor and high preweaning mortality. <i>Journal of Animal Science</i> , 2019, 97, 4093-4100.	0.2	10
41	Low Mannitol Concentrations in <i>Arabidopsis thaliana</i> Expressing <i>Ectocarpus</i> Genes Improve Salt Tolerance. <i>Plants</i> , 2020, 9, 1508.	1.6	10
42	DNA Markers for Selection of Late Blight Resistant Potato Breeding Lines. <i>American Journal of Plant Sciences</i> , 2017, 08, 1197-1209.	0.3	10
43	Comparative nuclear magnetic resonance studies of diffusional water permeability of red blood cells from sheep and cow. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1993, 104, 589-594.	0.2	9
44	Cavitation as a Mechanism of Substrate Discrimination by Adenylosuccinate Synthetases. <i>Biochemistry</i> , 2006, 45, 11703-11711.	1.2	7
45	Effects of phosphite on the in vitro growth of <i>Verticillium nonalfalfae</i> and <i>Verticillium dahliae</i> and on their in vivo ability to infect potato plants. <i>European Journal of Plant Pathology</i> , 2019, 155, 1333-1344.	0.8	6
46	NMR studies of diffusional water permeability of red blood cells from the echidna <i>Tachyglossus aculeatus</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1994, 107, 45-50.	0.2	5
47	A Novel Protein from <i>Ectocarpus</i> sp. Improves Salinity and High Temperature Stress Tolerance in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 1971.	1.8	4
48	¹ H, ¹³ C and ¹⁵ N resonance assignment of YajQ, a protein of unknown structure and function from <i>Escherichia coli</i> . <i>Journal of Biomolecular NMR</i> , 2001, 20, 287-288.	1.6	2
49	<i>Verticillium dahliae</i> and <i>Verticillium nonalfalfae</i> occurrence and abundance in several agricultural fields from Nova Scotia, Canada, assessed by real-time quantitative PCR. <i>European Journal of Plant Pathology</i> , 2019, 154, 1171-1177.	0.8	2
50	Assessing the suppressive effects of biopesticides and phosphite on common scab development in potatoes. <i>Biocontrol Science and Technology</i> , 2020, 30, 1133-1149.	0.5	2
51	Genetic diversity and detection of atypical porcine pestivirus infections. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	2
52	2 5â€™™ Untranslated Region-Based Detection of Genetically Diverse APPV Strains in US Midwest. <i>Journal of Animal Science</i> , 2022, 100, 6-7.	0.2	0