

Caroline Meharg

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,242
citations

516710

16
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

2439
citing authors

#	ARTICLE	IF	CITATIONS
1	NSUN4 Is a Dual Function Mitochondrial Protein Required for Both Methylation of 12S rRNA and Coordination of Mitoribosomal Assembly. <i>PLoS Genetics</i> , 2014, 10, e1004110.	3.5	232
2	Silicon, the silver bullet for mitigating biotic and abiotic stress, and improving grain quality, in rice?. <i>Environmental and Experimental Botany</i> , 2015, 120, 8-17.	4.2	218
3	Natural variation of rice strigolactone biosynthesis is associated with the deletion of two <i>MAX1</i> orthologs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2379-2384.	7.1	138
4	MTERF1 Binds mtDNA to Prevent Transcriptional Interference at the Light-Strand Promoter but Is Dispensable for rRNA Gene Transcription Regulation. <i>Cell Metabolism</i> , 2013, 17, 618-626.	16.2	93
5	Alternate wetting and drying irrigation for rice in Bangladesh: Is it sustainable and has plant breeding something to offer?. <i>Food and Energy Security</i> , 2013, 2, 120-129.	4.3	74
6	Dietary Restriction Induced Longevity Is Mediated by Nuclear Receptor NHR-62 in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2013, 9, e1003651.	3.5	73
7	Rice Grain Cadmium Concentrations in the Global Supply-Chain. <i>Exposure and Health</i> , 2020, 12, 869-876.	4.9	63
8	A metagenomic comparison of endemic viruses from broiler chickens with runting-stunting syndrome and from normal birds. <i>Avian Pathology</i> , 2016, 45, 616-629.	2.0	44
9	Global Sourcing of Low-Inorganic Arsenic Rice Grain. <i>Exposure and Health</i> , 2020, 12, 711-719.	4.9	43
10	Dissolved organic matter differentially influences arsenic methylation and volatilization in paddy soils. <i>Journal of Hazardous Materials</i> , 2020, 388, 121795.	12.4	38
11	Inhibition of Microbial Methylation via <i>arsM</i> in the Rhizosphere: Arsenic Speciation in the Soil to Plant Continuum. <i>Environmental Science & Technology</i> , 2019, 53, 3451-3463.	10.0	32
12	Microbiome and ecotypic adaption of <i>Holcus lanatus</i> (L.) to extremes of its soil pH range, investigated through transcriptome sequencing. <i>Microbiome</i> , 2018, 6, 48.	11.1	29
13	Resolving candidate genes of mouse skeletal muscle QTL via RNA-Seq and expression network analyses. <i>BMC Genomics</i> , 2012, 13, 592.	2.8	26
14	The Integrated RNA Landscape of Renal Preconditioning against Ischemia-Reperfusion Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 716-730.	6.1	26
15	Differences in Mucosal Gene Expression in the Colon of Two Inbred Mouse Strains after Colonization with Commensal Gut Bacteria. <i>PLoS ONE</i> , 2013, 8, e72317.	2.5	26
16	Source Identification of Trace Elements in Peri-urban Soils in Eastern China. <i>Exposure and Health</i> , 2019, 11, 195-207.	4.9	19
17	The Pedosphere as a Sink, Source, and Record of Anthropogenic and Natural Arsenic Atmospheric Deposition. <i>Environmental Science & Technology</i> , 2021, 55, 7757-7769.	10.0	15
18	Genetic and genomic analyses of musculoskeletal differences between BEH and BEL strains. <i>Physiological Genomics</i> , 2013, 45, 940-947.	2.3	14

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19	Inhibiting translation elongation can aid genome duplication in Escherichia coli. Nucleic Acids Research, 2017, 45, 2571-2584.	14.5	12
20	Detailed characterisation of STC-1 cells and the pGIP/Neo sub-clone suggests the incretin hormones are translationally regulated. Peptides, 2017, 96, 20-30.	2.4	7
21	Trait-directed de novo population transcriptome dissects genetic regulation of a balanced polymorphism in phosphorus nutrition/arsenate tolerance in a wild grass, Holcus lanatus. New Phytologist, 2014, 201, 144-154.	7.3	6
22	Trace Elements and Arsenic Speciation of Field and Market Rice Samples in contrasting Agro-climatic Zones in Sri Lanka. Exposure and Health, 2023, 15, 133-144.	4.9	5
23	Avoiding Rice-Based Cadmium and Inorganic Arsenic in Infant Diets Through Selection of Products Low in Concentration of These Contaminants. Exposure and Health, 2021, 13, 229-235.	4.9	4
24	A balanced polymorphism in biomass resource allocation controlled by phosphate in grasses screened through arsenate tolerance. Environmental and Experimental Botany, 2013, 96, 43-51.	4.2	3