

Liette Vasseur

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

2,248
citations

394421

19
h-index

265206

42
g-index

113
all docs

113
docs citations

113
times ranked

2590
citing authors

#	ARTICLE	IF	CITATIONS
1	A heterozygous moth genome provides insights into herbivory and detoxification. <i>Nature Genetics</i> , 2013, 45, 220-225.	21.4	472
2	Haplotype-resolved genome assembly provides insights into evolutionary history of the tea plant <i>Camellia sinensis</i> . <i>Nature Genetics</i> , 2021, 53, 1250-1259.	21.4	157
3	Gut Microbiota Mediate Insecticide Resistance in the Diamondback Moth, <i>Plutella xylostella</i> (L.). <i>Frontiers in Microbiology</i> , 2018, 9, 25.	3.5	141
4	Metagenomic Sequencing of Diamondback Moth Gut Microbiome Unveils Key Holobiont Adaptations for Herbivory. <i>Frontiers in Microbiology</i> , 2017, 8, 663.	3.5	134
5	Characterization and expression of the cytochrome P450 gene family in diamondback moth, <i>Plutella xylostella</i> (L.). <i>Scientific Reports</i> , 2015, 5, 8952.	3.3	77
6	Developmental and insecticide-resistant insights from the de novo assembled transcriptome of the diamondback moth, <i>Plutella xylostella</i> . <i>Genomics</i> , 2012, 99, 169-177.	2.9	75
7	Characterization and expression profiling of glutathione S-transferases in the diamondback moth, <i>Plutella xylostella</i> (L.). <i>BMC Genomics</i> , 2015, 16, 152.	2.8	74
8	Genome-wide characterization and expression profiling of immune genes in the diamondback moth, <i>Plutella xylostella</i> (L.). <i>Scientific Reports</i> , 2015, 5, 9877.	3.3	69
9	Complex problems and unchallenged solutions: Bringing ecosystem governance to the forefront of the UN sustainable development goals. <i>Ambio</i> , 2017, 46, 731-742.	5.5	49
10	Resistance to <i>Bacillus thuringiensis</i> Cry1Ac toxin requires mutations in two <i>Plutella xylostella</i> ATP-binding cassette transporter paralogs. <i>PLoS Pathogens</i> , 2020, 16, e1008697.	4.7	49
11	Variation among 532 genomes unveils the origin and evolutionary history of a global insect herbivore. <i>Nature Communications</i> , 2020, 11, 2321.	12.8	47
12	Characterization and expression profiling of ATP-binding cassette transporter genes in the diamondback moth, <i>Plutella xylostella</i> (L.). <i>BMC Genomics</i> , 2016, 17, 760.	2.8	40
13	Isolation, identification and cyfluthrin-degrading potential of a novel <i>Lysinibacillus sphaericus</i> strain, FLQ-11-1. <i>Research in Microbiology</i> , 2014, 165, 110-118.	2.1	37
14	Genome-wide identification and expression profiling of serine proteases and homologs in the diamondback moth, <i>Plutella xylostella</i> (L.). <i>BMC Genomics</i> , 2015, 16, 1054.	2.8	37
15	Identification of Halloween Genes and RNA Interference-Mediated Functional Characterization of a Halloween Gene shadow in <i>Plutella xylostella</i> . <i>Frontiers in Physiology</i> , 2019, 10, 1120.	2.8	35
16	Functional characterization of Pol III U6 promoters for gene knockdown and knockout in <i>Plutella xylostella</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 89, 71-78.	2.7	29
17	Response of Green Peach Aphids and Other Arthropods to Garlic Intercropped with Tobacco. <i>Agronomy Journal</i> , 2011, 103, 856-863.	1.8	27
18	Large-scale genome-wide study reveals climate adaptive variability in a cosmopolitan pest. <i>Nature Communications</i> , 2021, 12, 7206.	12.8	27

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19	Differential Profiles of Gut Microbiota and Metabolites Associated with Host Shift of <i>Plutella xylostella</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 6283.	4.1	26
20	Biological control of an agricultural pest protects tropical forests. <i>Communications Biology</i> , 2019, 2, 10.	4.4	24
21	Functions of duplicated glucosinolate sulfatases in the development and host adaptation of <i>Plutella xylostella</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020, 119, 103316.	2.7	23
22	Gene expression profiling provides insights into the immune mechanism of <i>Plutella xylostella</i> midgut to microbial infection. <i>Gene</i> , 2018, 647, 21-30.	2.2	22
23	Electroantennogram and behavioral responses of <i>Cotesia plutellae</i> to plant volatiles. <i>Insect Science</i> , 2016, 23, 245-252.	3.0	21
24	Ecological Risk Assessment of Soil Heavy Metals and Pesticide Residues in Tea Plantations. <i>Agriculture (Switzerland)</i> , 2020, 10, 47.	3.1	21
25	Global disparity in public awareness of the biological control potential of invertebrates. <i>Science of the Total Environment</i> , 2019, 660, 799-806.	8.0	20
26	Polycultural manipulation for better regulation of planthopper populations in irrigated rice-based ecosystems. <i>Crop Protection</i> , 2012, 34, 104-111.	2.1	19
27	Gender-Based Experiences and Perceptions after the 2010 Winter Storms in Atlantic Canada. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 12518-12529.	2.6	18
28	Transcriptome profiling of the <i>Plutella xylostella</i> (Lepidoptera: Plutellidae) ovary reveals genes involved in oogenesis. <i>Gene</i> , 2017, 637, 90-99.	2.2	18
29	CRISPR/Cas9-Mediated Vitellogenin Receptor Knockout Leads to Functional Deficiency in the Reproductive Development of <i>Plutella xylostella</i> . <i>Frontiers in Physiology</i> , 2019, 10, 1585.	2.8	18
30	Identification of <i>Empoasca onukii</i> (Hemiptera: Cicadellidae) and Monitoring of its Populations in the Tea Plantations of South China. <i>Journal of Economic Entomology</i> , 2015, 108, 1025-1033.	1.8	17
31	Is It Time to Shift Our Environmental Thinking? A Perspective on Barriers and Opportunities to Change. <i>Sustainability</i> , 2019, 11, 5010.	3.2	17
32	Adult Tea Green Leafhoppers, <i>Empoasca onukii</i> (Matsuda), Change Behaviors under Varying Light Conditions. <i>PLoS ONE</i> , 2017, 12, e0168439.	2.5	15
33	Selection of reference genes for expression analysis of plant-derived microRNAs in <i>Plutella xylostella</i> using qRT-PCR and ddPCR. <i>PLoS ONE</i> , 2019, 14, e0220475.	2.5	15
34	Host Plant-Derived miRNAs Potentially Modulate the Development of a Cosmopolitan Insect Pest, <i>Plutella xylostella</i> . <i>Biomolecules</i> , 2019, 9, 602.	4.0	15
35	Structure and above ground biomass along an elevation small-scale gradient: case study in an Evergreen Andean Amazon forest, Ecuador. <i>Agroforestry Systems</i> , 2020, 94, 1235-1245.	2.0	15
36	CRISPR/Cas9-induced vitellogenin knockout lead to incomplete embryonic development in <i>Plutella xylostella</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020, 123, 103406.	2.7	14

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37	A Comparison of the Temperature Regime of Short Stream Segments under Forested and Non-Forested Riparian Zones at Eleven Sites Across North America. <i>River Research and Applications</i> , 2015, 31, 964-974.	1.7	13
38	Linking time budgets to habitat quality suggests that beavers (<i>Castor canadensis</i>) are energy maximizers. <i>Canadian Journal of Zoology</i> , 2016, 94, 671-676.	1.0	13
39	Segmental duplications: evolution and impact among the current Lepidoptera genomes. <i>BMC Evolutionary Biology</i> , 2017, 17, 161.	3.2	13
40	Exploring community and key stakeholders' perception of scientific tourism as a strategy to achieve SDGs in the Ecuadorian Amazon. <i>Tourism Management Perspectives</i> , 2021, 39, 100830.	5.2	13
41	Potential distribution of the invasive loblolly pine mealybug, <i>Oracella acuta</i> (Hemiptera: Tj ETQq1 1 0.784314 rgBT ₃ /Overlock ₁₀ Tf 50	3.6	12
42	Climatic and Environmental Changes Affecting Communities in Atlantic Canada. <i>Sustainability</i> , 2017, 9, 1293.	3.2	12
43	De novo transcriptome sequencing of <i>Isaria cateniannulata</i> and comparative analysis of gene expression in response to heat and cold stresses. <i>PLoS ONE</i> , 2017, 12, e0186040.	2.5	12
44	Genome-wide profiling of the alternative splicing provides insights into development in <i>Plutella xylostella</i> . <i>BMC Genomics</i> , 2019, 20, 463.	2.8	12
45	Mechanism and consequences for avoidance of superparasitism in the solitary parasitoid <i>Cotesia vestalis</i> . <i>Scientific Reports</i> , 2020, 10, 11463.	3.3	12
46	Irreproducibility in searches of scientific literature: A comparative analysis. <i>Ecology and Evolution</i> , 2021, 11, 14658-14668.	1.9	12
47	Generation-based life table analysis reveals manifold effects of inbreeding on the population fitness in <i>Plutella xylostella</i> . <i>Scientific Reports</i> , 2015, 5, 12749.	3.3	11
48	Ecosystem Perceptions in Flood Prone Areas: A Typology and Its Relationship to Preferences for Governance. <i>Water (Switzerland)</i> , 2016, 8, 191.	2.7	10
49	Selecting and validating reference genes for quantitative real-time PCR in <i>Plutella xylostella</i> (L.). <i>Genome</i> , 2018, 61, 349-358.	2.0	10
50	Gene flow, linked selection, and divergent sorting of ancient polymorphism shape genomic divergence landscape in a group of edaphic specialists. <i>Molecular Ecology</i> , 2022, 31, 104-118.	3.9	10
51	Contemporary Water Governance: Navigating Crisis Response and Institutional Constraints through Pragmatism. <i>Water (Switzerland)</i> , 2016, 8, 224.	2.7	9
52	Purification and biochemical characterization of a cyclodextrin glycosyltransferase from <i>Geobacillus thermoglucosidans</i> CHB1. <i>Starch/Staerke</i> , 2018, 70, 1700016.	2.1	9
53	Genome-wide investigation of transcription factors provides insights into transcriptional regulation in <i>Plutella xylostella</i> . <i>Molecular Genetics and Genomics</i> , 2018, 293, 435-449.	2.1	8
54	Molecular Characterization and the Function of Argonaute3 in RNAi Pathway of <i>Plutella xylostella</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 1249.	4.1	8

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55	Do COVID-19 and Food Insecurity Influence Existing Inequalities between Women and Men in Africa?. International Journal of Environmental Research and Public Health, 2022, 19, 2065.	2.6	8
56	Higher taxa as surrogates of species richness of spiders in insect-resistant transgenic rice. Insect Science, 2012, 19, 419-425.	3.0	7
57	Avoidance, escape and microstructural adaptations of the tea green leafhopper to water droplets. Scientific Reports, 2016, 6, 37026.	3.3	7
58	How Ecosystem-Based Adaptation to Climate Change Can Help Coastal Communities through a Participatory Approach. Sustainability, 2021, 13, 2344.	3.2	7
59	Adaptation to Coastal Storms in Atlantic Canada. Springer Briefs in Geography, 2018, , .	0.2	7
60	Diamondback Moth (Lepidoptera: Plutellidae) Exhibits Oviposition and Larval Feeding Preferences Among Crops, Wild plants, and Ornamentals as Host Plants. Journal of Economic Entomology, 2016, 109, 644-648.	1.8	6
61	Ecosystem-Based Adaptation to Protect Avian Species in Coastal Communities in the Greater Niagara Region, Canada. Climate, 2021, 9, 91.	2.8	6
62	The Effects of Pandemics on the Vulnerability of Food Security in West Africa—A Scoping Review. Sustainability, 2021, 13, 12888.	3.2	6
63	Genetic analyses reveal regional structure and demographic expansion of the predominant tea pest <i>Empoasca onukii</i> (Hemiptera: Cicadellidae) in China. Pest Management Science, 2022, 78, 2838-2850.	3.4	6
64	Engaging Communities in Adaptation to Climate Change by Understanding the Dimensions of Social Capital in Atlantic Canada. Sustainability, 2022, 14, 5250.	3.2	6
65	Are Yellow Sticky Cards and Light Traps Effective on Tea Green Leafhoppers and Their Predators in Chinese Tea Plantations?. Insects, 2021, 12, 14.	2.2	5
66	A review of the mealybug <i>Oracella acuta</i> : Invasion and management in China and potential incursions into other countries. Forest Ecology and Management, 2013, 305, 96-102.	3.2	4
67	Herbivore range expansion triggers adaptation in a subsequently-associated third trophic level species and shared microbial symbionts. Scientific Reports, 2019, 9, 10314.	3.3	4
68	Impacts of Smooth Pigweed (<i>Amaranthus hybridus</i>) on Cover Crops in Southern Ontario. Agronomy, 2020, 10, 529.	3.0	4
69	Visualizations as a tool to increase community engagement in climate change adaptation decision-making. Facets, 2021, 6, 240-251.	2.4	4
70	Evaluating and Visualizing Drivers of Coastline Change: A Lake Ontario Case Study. ISPRS International Journal of Geo-Information, 2021, 10, 375.	2.9	4
71	Moving from Research into Action on Issues of Climate Change for a Canadian Community: Integration of Sciences into Decision Making. International Journal of Climate Change: Impacts and Responses, 2011, 2, 115-126.	0.3	4
72	A basic theoretical framework for community-based conservation management in China and Vietnam. International Journal of Sustainable Development and World Ecology, 2002, 9, 41-47.	5.9	3

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73	Genetic differentiation of the regional <i>Plutella xylostella</i> populations across the Taiwan Strait based on identification of microsatellite markers. <i>Ecology and Evolution</i> , 2015, 5, 5880-5891.	1.9	3
74	Seasonal Variability in Spider Assemblages in Traditional and Transgenic Rice Fields. <i>Environmental Entomology</i> , 2016, 45, 537-546.	1.4	3
75	Parasitised caterpillars suffer reduced predation: potential implications for intra-guild predation. <i>Scientific Reports</i> , 2017, 7, 42636.	3.3	3
76	Implication for DNA methylation involved in the host transfer of diamondback moth, <i>Plutella xylostella</i> (L.). <i>Archives of Insect Biochemistry and Physiology</i> , 2019, 102, e21600.	1.5	3
77	Exploring Canadian Ramsar Sites Ecosystem Governance and Sustainability. <i>Wetlands</i> , 2021, 41, 1.	1.5	3
78	Ecosystem Health and Human Health. , 2002, , 167-188.		2
79	Enjeux d'Éducation aux changements climatiques auprès des communautés. Éducation Relative à L'environnement, 2021, , .	0.2	2
80	Ecosystem Health and Human Health. , 2002, , 189-219.		1
81	Adaptation des communautés citiânes aux effets des changements climatiques sous lâ€™angle de la résilience: lier la gouvernance locale au développement durable. <i>VertigO: La Revue Electronique En Sciences De L'environnement</i> , 2018, , .	0.1	1
82	An analysis of aquatic invasive species management in the Niagara region of Ontario, Canada: establishment of a database to improve knowledge sharing. <i>Management of Biological Invasions</i> , 2020, 11, 588-606.	1.2	1
83	Making the Link. , 2015, , 27.		0
84	Making the Link. , 2015, , 51.		0
85	Making the Link. , 2015, , 97-98.		0
86	Making the Link. , 2015, , 123.		0
87	Making the Link. , 2015, , 161.		0
88	Making the Link. , 2015, , 139.		0
89	Making the Link. , 2015, , 183.		0
90	Making the Link. , 2015, , 273.		0

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91	Making the Link. , 2015, , 305.		0
92	Making the Link. , 2015, , 287-288.		0
93	Making the Link. , 2015, , 317.		0
94	Facing Climate Change Through Sustainable Agriculture: Can Results from China Be Transferred to Africa?. , 2016, , 167-183.		0
95	Supporting respectful cross-cultural relationships for the sharing of traditional Indigenous ecological research with plant sciences: a new step for Botany. Botany, 2019, 97, 269-270.	1.0	0
96	Botany revises its scope. Botany, 2020, 98, iii-iii.	1.0	0
97	Background Research. Springer Briefs in Geography, 2018, , 17-27.	0.2	0
98	Coastal Communities in Atlantic Canada. Springer Briefs in Geography, 2018, , 7-15.	0.2	0
99	Implications and Lessons Learned. Springer Briefs in Geography, 2018, , 65-75.	0.2	0
100	Findings from Initial Interviews. Springer Briefs in Geography, 2018, , 41-54.	0.2	0
101	DINOFLAGELLATES IN LAKE GEORGE: FROM THE WATER COLUMN TO THE LAKEBED. , 2018, , .		0
102	Enjeux d'Éducation aux changements climatiques auprès des communautés. Éducation Relative à L'environnement, 2020, , .	0.2	0