

James C Carolan

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

3,237
citations

331670

21
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302126

39
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49
all docs

49
docs citations

49
times ranked

4109
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome Sequence of the Pea Aphid <i>Acyrtosiphon pisum</i> . <i>PLoS Biology</i> , 2010, 8, e1000313.	5.6	913
2	The genomes of two key bumblebee species with primitive eusocial organization. <i>Genome Biology</i> , 2015, 16, 76.	8.8	330
3	The secreted salivary proteome of the pea aphid <i>Acyrtosiphon pisum</i> characterised by mass spectrometry. <i>Proteomics</i> , 2009, 9, 2457-2467.	2.2	224
4	Predicted Effector Molecules in the Salivary Secretome of the Pea Aphid (<i>Acyrtosiphon pisum</i>): A Dual Transcriptomic/Proteomic Approach. <i>Journal of Proteome Research</i> , 2011, 10, 1505-1518.	3.7	219
5	A Massive Expansion of Effector Genes Underlies Gall-Formation in the Wheat Pest <i>Mayetiola destructor</i> . <i>Current Biology</i> , 2015, 25, 613-620.	3.9	171
6	Exposure to microplastics reduces attachment strength and alters the haemolymph proteome of blue mussels (<i>Mytilus edulis</i>). <i>Environmental Pollution</i> , 2019, 246, 423-434.	7.5	150
7	Unveiling cryptic species of the bumblebee subgenus <i>Bombus s. str.</i> worldwide with COI barcodes (Hymenoptera: Apidae). <i>Systematics and Biodiversity</i> , 2012, 10, 21-56.	1.2	147
8	A depauperate immune repertoire precedes evolution of sociality in bees. <i>Genome Biology</i> , 2015, 16, 83.	8.8	130
9	Fungicides, herbicides and bees: A systematic review of existing research and methods. <i>PLoS ONE</i> , 2019, 14, e0225743.	2.5	125
10	Colour Patterns Do Not Diagnose Species: Quantitative Evaluation of a DNA Barcoded Cryptic Bumblebee Complex. <i>PLoS ONE</i> , 2012, 7, e29251.	2.5	108
11	Proteomic Profiling of Cereal Aphid Saliva Reveals Both Ubiquitous and Adaptive Secreted Proteins. <i>PLoS ONE</i> , 2013, 8, e57413.	2.5	104
12	Fast Evolution and Lineage-Specific Gene Family Expansions of Aphid Salivary Effectors Driven by Interactions with Host-Plants. <i>Genome Biology and Evolution</i> , 2018, 10, 1554-1572.	2.5	67
13	Phylogenetics of <i>Papaver</i> and Related Genera Based on DNA Sequences from ITS Nuclear Ribosomal DNA and Plastid <i>trnL</i> Intron and <i>trnL</i> - <i>F</i> Intergenic Spacers. <i>Annals of Botany</i> , 2006, 98, 141-155.	2.9	64
14	Polyphenism in social insects: insights from a transcriptome-wide analysis of gene expression in the life stages of the key pollinator, <i>Bombus terrestris</i> . <i>BMC Genomics</i> , 2011, 12, 623.	2.8	63
15	Integrated Metabonomic-Proteomic Analysis of an Insect-Bacterial Symbiotic System. <i>Journal of Proteome Research</i> , 2010, 9, 1257-1267.	3.7	47
16	Cryptic Bumblebee Species: Consequences for Conservation and the Trade in Greenhouse Pollinators. <i>PLoS ONE</i> , 2012, 7, e32992.	2.5	43
17	Mating precedes selective immune priming which is maintained throughout bumblebee queen diapause. <i>BMC Genomics</i> , 2019, 20, 959.	2.8	35
18	Infection by the castrating parasitic nematode <i>Sphaerularia bombi</i> changes gene expression in <i>Bombus terrestris</i> bumblebee queens. <i>Insect Molecular Biology</i> , 2020, 29, 170-182.	2.0	32

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19	Prolonged pre-incubation increases the susceptibility of <i>Galleria mellonella</i> larvae to bacterial and fungal infection. <i>Virulence</i> , 2015, 6, 458-465.	4.4	27
20	The effect of entomopathogenic fungal culture filtrate on the immune response of the greater wax moth, <i>Galleria mellonella</i> . <i>Journal of Insect Physiology</i> , 2017, 100, 82-92.	2.0	26
21	The <i>Aspergillus fumigatus</i> Secretome Alters the Proteome of <i>Pseudomonas aeruginosa</i> to Stimulate Bacterial Growth: Implications for Co-infection. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1346-1359.	3.8	24
22	A Proteomic Investigation of Hepatic Resistance to <i>Ascaris</i> in a Murine Model. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004837.	3.0	20
23	The role of the liver in the migration of parasites of global significance. <i>Parasites and Vectors</i> , 2019, 12, 531.	2.5	18
24	Revealing the hidden niches of cryptic bumblebees in Great Britain: Implications for conservation. <i>Biological Conservation</i> , 2015, 182, 126-133.	4.1	17
25	The salivary gland proteome of root-galling grape phylloxera (<i>Daktulosphaira vitifoliae</i> Fitch) feeding on <i>Vitis</i> spp.. <i>PLoS ONE</i> , 2019, 14, e0225881.	2.5	17
26	The liver proteome in a mouse model for <i>Ascaris suum</i> resistance and susceptibility: evidence for an altered innate immune response. <i>Parasites and Vectors</i> , 2019, 12, 402.	2.5	15
27	Simultaneous determination of pesticides from soils: a comparison between QuEChERS extraction and Dutch mini-Luke extraction methods. <i>Analytical Methods</i> , 2021, 13, 5638-5650.	2.7	11
28	The effect of entomopathogenic fungal culture filtrate on the immune response and haemolymph proteome of the large pine weevil, <i>Hyllobius abietis</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2018, 101, 1-13.	2.7	10
29	Phylogenetics of <i>Taxus</i> Using the Internal Transcribed Spacers of Nuclear Ribosomal DNA and Plastid trnL-F Regions. <i>Horticulturae</i> , 2020, 6, 19.	2.8	10
30	Bacterial Interactions with <i>Aspergillus fumigatus</i> in the Immunocompromised Lung. <i>Microorganisms</i> , 2021, 9, 435.	3.6	9
31	Proteomic analysis of Bayvarol® resistance mechanisms in the honey bee parasite <i>Varroa destructor</i> . <i>Journal of Apicultural Research</i> , 2016, 55, 49-64.	1.5	8
32	Quantitative proteomics reveals divergent responses in <i>Apis mellifera</i> worker and drone pupae to parasitization by <i>Varroa destructor</i> . <i>Journal of Insect Physiology</i> , 2018, 107, 291-301.	2.0	8
33	Characterization of the Proteomic Response of A549 Cells Following Sequential Exposure to <i>Aspergillus fumigatus</i> and <i>Pseudomonas aeruginosa</i> . <i>Journal of Proteome Research</i> , 2020, 19, 279-291.	3.7	7
34	Exposure to the <i>Pseudomonas aeruginosa</i> secretome alters the proteome and secondary metabolite production of <i>Aspergillus fumigatus</i> . <i>Microbiology (United Kingdom)</i> , 2022, 168, .	1.8	7
35	Assessing availability of European plant protection product data: an example evaluating basic area treated. <i>PeerJ</i> , 0, 10, e13586.	2.0	7
36	A cathepsin L-like protease from <i>Strongylus vulgaris</i> : An orthologue of <i>Caenorhabditis elegans</i> CPL-1. <i>Experimental Parasitology</i> , 2009, 121, 293-299.	1.2	6

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37	The effect of temperature conditioning (9Â°C and 20Â°C) on the proteome of entomopathogenic nematode infective juveniles. PLoS ONE, 2022, 17, e0266164.	2.5	4
38	Genome sequence of the English grain aphid, <i>Sitobion avenae</i> and its endosymbiont <i>Buchnera aphidicola</i> . G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	4
39	Proteomic Insights into the Hidden World of Phloem Sap Feeding. , 2016, , 49-61.		2
40	Molecular characterization of <i>Hydrellia lagarosiphon</i> , a leaf mining biological control agent for <i>Lagarosiphon major</i> , reveals weak variance across large geographic areas in South Africa. Biological Control, 2019, 132, 8-15.	3.0	2
41	In silico Characterization of a Candidate Protein from Aphid Gelling Saliva with Potential for Aphid Control in Plants. Protein and Peptide Letters, 2020, 27, 158-167.	0.9	2
42	Bumblebees of the Azores (Apidae: Bombus). Journal of Natural History, 2018, 52, 345-349.	0.5	1
43	Global protein responses of multidrug resistance plasmid-containing <i>Escherichia coli</i> to ampicillin, cefotaxime, imipenem and ciprofloxacin. Journal of Global Antimicrobial Resistance, 2022, 28, 90-96.	2.2	0
44	Fungicides, herbicides and bees: A systematic review of existing research and methods. , 2019, 14, e0225743.		0
45	Fungicides, herbicides and bees: A systematic review of existing research and methods. , 2019, 14, e0225743.		0
46	Fungicides, herbicides and bees: A systematic review of existing research and methods. , 2019, 14, e0225743.		0
47	Fungicides, herbicides and bees: A systematic review of existing research and methods. , 2019, 14, e0225743.		0