

Federica Calevro

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,309
citations

361413

20
h-index

254184

43
g-index

57
all docs

57
docs citations

57
times ranked

2797
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	Genomic insight into the amino acid relations of the pea aphid, <i>Acyrtosiphon pisum</i> , with its symbiotic bacterium <i>Buchnera aphidicola</i> . <i>Insect Molecular Biology</i> , 2010, 19, 249-258.	2.0	219
3	<i>Drosophila</i> -associated bacteria differentially shape the nutritional requirements of their host during juvenile growth. <i>PLoS Biology</i> , 2020, 18, e3000681.	5.6	79
4	New insight into the RNA interference response against cathepsin-L gene in the pea aphid, <i>Acyrtosiphon pisum</i> : Molting or gut phenotypes specifically induced by injection or feeding treatments. <i>Insect Biochemistry and Molecular Biology</i> , 2014, 51, 20-32.	2.7	75
5	Direct flow cytometry measurements reveal a fine-tuning of symbiotic cell dynamics according to the host developmental needs in aphid symbiosis. <i>Scientific Reports</i> , 2016, 6, 19967.	3.3	71
6	Bacteriocyte cell death in the pea aphid/ <i>Buchnera</i> symbiotic system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1819-E1828.	7.1	69
7	ROSO: optimizing oligonucleotide probes for microarrays. <i>Bioinformatics</i> , 2004, 20, 271-273.	4.1	66
8	Assessment of a 16S rRNA amplicon Illumina sequencing procedure for studying the microbiome of a symbiont-rich aphid genus. <i>Molecular Ecology Resources</i> , 2016, 16, 628-640.	4.8	60
9	Different Levels of Transcriptional Regulation Due to Trophic Constraints in the Reduced Genome of <i>Buchnera aphidicola</i> APS. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7760-7766.	3.1	56
10	Identification of Plant Virus Receptor Candidates in the Stylets of Their Aphid Vectors. <i>Journal of Virology</i> , 2018, 92, .	3.4	53
11	Tyrosine pathway regulation is host-mediated in the pea aphid symbiosis during late embryonic and early larval development. <i>BMC Genomics</i> , 2013, 14, 235.	2.8	51
12	Systemic analysis of the symbiotic function of <i>Buchnera aphidicola</i> , the primary endosymbiont of the pea aphid <i>Acyrtosiphon pisum</i> . <i>Comptes Rendus - Biologies</i> , 2009, 332, 1034-1049.	0.2	49
13	A Genomic Reappraisal of Symbiotic Function in the Aphid/ <i>Buchnera</i> Symbiosis: Reduced Transporter Sets and Variable Membrane Organisations. <i>PLoS ONE</i> , 2011, 6, e29096.	2.5	44
14	The genome sequence of the grape phylloxera provides insights into the evolution, adaptation, and invasion routes of an iconic pest. <i>BMC Biology</i> , 2020, 18, 90.	3.8	40
15	The transposable element-rich genome of the cereal pest <i>Sitophilus oryzae</i> . <i>BMC Biology</i> , 2021, 19, 241.	3.8	40
16	Multimodal dynamic response of the <i>Buchnera aphidicola</i> pLeu plasmid to variations in leucine demand of its host, the pea aphid <i>Acyrtosiphon pisum</i> . <i>Molecular Microbiology</i> , 2011, 81, 1271-1285.	2.5	35
17	Disruption of phenylalanine hydroxylase reduces adult lifespan and fecundity, and impairs embryonic development in parthenogenetic pea aphids. <i>Scientific Reports</i> , 2016, 6, 34321.	3.3	34
18	Impact of Host Developmental Age on the Transcriptome of the Symbiotic Bacterium <i>Buchnera aphidicola</i> in the Pea Aphid (<i>Acyrtosiphon pisum</i>). <i>Applied and Environmental Microbiology</i> , 2009, 75, 7294-7297.	3.1	29

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19	Conservation of the links between gene transcription and chromosomal organization in the highly reduced genome of <i>Buchnera aphidicola</i> . <i>BMC Genomics</i> , 2007, 8, 143.	2.8	26
20	Effect of cadmium(II) on the extent of oxidative DNA damage in primary brain cell cultures from <i>Pleurodeles</i> larvae. <i>Toxicology Letters</i> , 1998, 94, 217-225.	0.8	25
21	ArthropodaCyc: a CycADS powered collection of BioCyc databases to analyse and compare metabolism of arthropods. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw081.	3.0	22
22	Toxic effects of aluminium, chromium and cadmium in intact and regenerating freshwater planarians. <i>Chemosphere</i> , 1998, 37, 651-659.	8.2	21
23	Codon usage bias and tRNA over-expression in <i>Buchnera aphidicola</i> after aromatic amino acid nutritional stress on its host <i>Acyrtosiphon pisum</i> . <i>Nucleic Acids Research</i> , 2006, 34, 4583-4592.	14.5	21
24	Genomic analysis of the regulatory elements and links with intrinsic DNA structural properties in the shrunken genome of <i>Buchnera</i> . <i>BMC Genomics</i> , 2013, 14, 73.	2.8	20
25	Assessment of 35mer amino-modified oligonucleotide based microarray with bacterial samples. <i>Journal of Microbiological Methods</i> , 2004, 57, 207-218.	1.6	17
26	Sawfly Genomes Reveal Evolutionary Acquisitions That Fostered the Mega-Radiation of Parasitoid and Eusocial Hymenoptera. <i>Genome Biology and Evolution</i> , 2020, 12, 1099-1188.	2.5	17
27	CycADS: an annotation database system to ease the development and update of BioCyc databases. <i>Database: the Journal of Biological Databases and Curation</i> , 2011, 2011, bar008-bar008.	3.0	16
28	Bacteriocyte Reprogramming to Cope With Nutritional Stress in a Phloem Sap Feeding Hemipteran, the Pea Aphid <i>Acyrtosiphon pisum</i> . <i>Frontiers in Physiology</i> , 2018, 9, 1498.	2.8	15
29	At the Gate of Mutualism: Identification of Genomic Traits Predisposing to Insect-Bacterial Symbiosis in Pathogenic Strains of the Aphid Symbiont <i>Serratia symbiotica</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 660007.	3.9	14
30	Sustainable laser-based technology for insect pest control. <i>Scientific Reports</i> , 2021, 11, 11068.	3.3	12
31	Bioassays for testing effects of Al, Cr and Cd using development in the amphibian <i>Pleurodeles waltl</i> and regeneration in the planarian <i>Dugesia etrusca</i> . <i>Aquatic Ecosystem Health and Management</i> , 1999, 2, 281-288.	0.6	10
32	Bis(monoacylglycero)phosphate regulates oxysterol binding protein-related protein 11 dependent sterol trafficking. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1247-1257.	2.4	10
33	Compartmentalized into Bacteriocytes but Highly Invasive: the Puzzling Case of the Co-Obligate Symbiont <i>Serratia symbiotica</i> in the Aphid <i>Periphyllus lyropictus</i> . <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	10
34	Structure and dynamics of the operon map of <i>Buchnera aphidicola</i> sp. strain APS. <i>BMC Genomics</i> , 2010, 11, 666.	2.8	9
35	<i>Acyrtosiphon pisum</i> . <i>Trends in Genetics</i> , 2019, 35, 781-782.	6.7	9
36	Evolutionary novelty in the apoptotic pathway of aphids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32545-32556.	7.1	9

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37	The Di-Symbiotic Systems in the Aphids <i>Sipha maydis</i> and <i>Periphyllus lyropictus</i> Provide a Contrasting Picture of Recent Co-Obligate Nutritional Endosymbiosis in Aphids. <i>Microorganisms</i> , 2022, 10, 1360.	3.6	6
38	Draft Genome Sequences of Two Cultivable Strains of the Bacterial Symbiont <i>Serratia symbiotica</i> . <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	5
39	Sexual Dimorphism in Metabolic Responses to Western Diet in <i>Drosophila melanogaster</i> . <i>Biomolecules</i> , 2022, 12, 33.	4.0	5
40	Data-Driven Gene Regulatory Network Inference Based on Classification Algorithms. , 2019, , .		4
41	Ensemble Learning Based Gene Regulatory Network Inference. , 2021, , .		4
42	Cytotype Affects the Capability of the Whitefly <i>Bemisia tabaci</i> MED Species To Feed and Oviposit on an Unfavorable Host Plant. <i>MBio</i> , 2021, 12, e0073021.	4.1	3
43	Data-driven Gene Regulatory Networks Inference Based on Classification Algorithms. <i>International Journal on Artificial Intelligence Tools</i> , 2021, 30, 2150022.	1.0	2
44	Isolation of Insect as a Platform for Transcriptomic Analyses. <i>Methods in Molecular Biology</i> , 2021, 2170, 185-198.	0.9	1
45	SITRANS: a Web Information System for Microarray Experiments. <i>Studies in Health Technology and Informatics</i> , 2005, 116, 33-8.	0.3	1
46	Title is missing!. , 2020, 18, e3000681.		0
47	Title is missing!. , 2020, 18, e3000681.		0
48	Title is missing!. , 2020, 18, e3000681.		0
49	Title is missing!. , 2020, 18, e3000681.		0
50	Title is missing!. , 2020, 18, e3000681.		0
51	Title is missing!. , 2020, 18, e3000681.		0