

Elena Crotti

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

3,760
citations

136940

32
h-index

138468

58
g-index

67
all docs

67
docs citations

67
times ranked

3735
citing authors

#	ARTICLE	IF	CITATIONS
1	Destabilization of the Bacterial Interactome Identifies Nutrient Restriction-Induced Dysbiosis in Insect Guts. <i>Microbiology Spectrum</i> , 2022, 10, e0158021.	3.0	11
2	Zooplankton as a Transitional Host for <i>Escherichia coli</i> in Freshwater. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0252221.	3.1	2
3	Compartmentalization of bacterial and fungal microbiomes in the gut of adult honeybees. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 42.	6.4	41
4	Microbial assisted phytodepuration for water reclamation: Environmental benefits and threats. <i>Chemosphere</i> , 2020, 241, 124843.	8.2	37
5	Structure/activity virtual screening and in vitro testing of small molecule inhibitors of 8-hydroxy-5-deazaflavin:NADPH oxidoreductase from gut methanogenic bacteria. <i>Scientific Reports</i> , 2020, 10, 13150.	3.3	9
6	Hydrolytic Profile of the Culturable Gut Bacterial Community Associated With <i>Hermetia illucens</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 1965.	3.5	35
7	An Environmental <i>Escherichia coli</i> Strain Is Naturally Competent to Acquire Exogenous DNA. <i>Frontiers in Microbiology</i> , 2020, 11, 574301.	3.5	11
8	Chimeric symbionts expressing a <i>Wolbachia</i> protein stimulate mosquito immunity and inhibit filarial parasite development. <i>Communications Biology</i> , 2020, 3, 105.	4.4	24
9	Phenomics and Genomics Reveal Adaptation of <i>Virgibacillus dokdonensis</i> Strain 21D to Its Origin of Isolation, the Seawater-Brine Interface of the Mediterranean Sea Deep Hypersaline Anoxic Basin Discovery. <i>Frontiers in Microbiology</i> , 2019, 10, 1304.	3.5	6
10	Developmental stages and gut microenvironments influence gut microbiota dynamics in the invasive beetle <i>Popillia japonica</i> Newman (Coleoptera: Scarabaeidae). <i>Environmental Microbiology</i> , 2019, 21, 4343-4359.	3.8	42
11	Root Bacteria Recruited by <i>Phragmites australis</i> in Constructed Wetlands Have the Potential to Enhance Azo-Dye Phytodepuration. <i>Microorganisms</i> , 2019, 7, 384.	3.6	28
12	Activation of Immune Genes in Leafhoppers by Phytoplasmas and Symbiotic Bacteria. <i>Frontiers in Physiology</i> , 2019, 10, 795.	2.8	19
13	Cultivable hydrocarbon degrading bacteria have low phylogenetic diversity but highly versatile functional potential. <i>International Biodeterioration and Biodegradation</i> , 2019, 142, 43-51.	3.9	13
14	Microbe Relationships with Phytoplasmas in Plants and Insects. , 2019, , 207-235.		4
15	Bacterial endophytes of mangrove propagules elicit early establishment of the natural host and promote growth of cereal crops under salt stress. <i>Microbiological Research</i> , 2019, 223-225, 33-43.	5.3	87
16	Multiple guests in a single host: interactions across symbiotic and phytopathogenic bacteria in phloem-feeding vectors – a review. <i>Entomologia Experimentalis Et Applicata</i> , 2019, 167, 171-185.	1.4	30
17	Methods for the genetic manipulation of marine bacteria. <i>Electronic Journal of Biotechnology</i> , 2018, 33, 17-28.	2.2	21
18	The Genomes of Four <i>Meyerozyma caribbica</i> Isolates and Novel Insights into the <i>Meyerozyma guilliermondii</i> Species Complex. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 755-759.	1.8	20

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19	Asaia symbionts interfere with infection by <i>Flavescens dor</i> phytoplasma in leafhoppers. <i>Journal of Pest Science</i> , 2018, 91, 1033-1046.	3.7	20
20	Highly divergent Mollicutes symbionts coexist in the scorpion <i>Androctonus australis</i> . <i>Journal of Basic Microbiology</i> , 2018, 58, 827-835.	3.3	7
21	Microbial Diversity and Biotechnological Potential of Microorganisms Thriving in the Deep-Sea Brine Pools. , 2018, , 19-32.		2
22	Bacterial diversity shift determined by different diets in the gut of the spotted wing fly <i>Drosophila suzukii</i> is primarily reflected on acetic acid bacteria. <i>Environmental Microbiology Reports</i> , 2017, 9, 91-103.	2.4	59
23	Bacteria Associated to Plants Naturally Selected in a Historical PCB Polluted Soil Show Potential to Sustain Natural Attenuation. <i>Frontiers in Microbiology</i> , 2017, 8, 1385.	3.5	33
24	An Updated View of the Microbial Diversity in Deep Hypersaline Anoxic Basins. , 2017, , 23-40.		3
25	Extreme Marine Environments (Brines, Seeps, and Smokers). , 2016, , 251-282.		4
26	Olfactory attraction of <i>Drosophila suzukii</i> by symbiotic acetic acid bacteria. <i>Journal of Pest Science</i> , 2016, 89, 783-792.	3.7	49
27	Acetic Acid Bacteria as Symbionts of Insects. , 2016, , 121-142.		4
28	Hydrocarbon pollutants shape bacterial community assembly of harbor sediments. <i>Marine Pollution Bulletin</i> , 2016, 104, 211-220.	5.0	36
29	Plant-mediated interspecific horizontal transmission of an intracellular symbiont in insects. <i>Scientific Reports</i> , 2015, 5, 15811.	3.3	90
30	Mutual exclusion of <i>Asaia</i> and <i>Wolbachia</i> in the reproductive organs of mosquito vectors. <i>Parasites and Vectors</i> , 2015, 8, 278.	2.5	127
31	Draft Genome Sequence of the Hydrocarbon-Degrading Bacterium <i>Alcanivorax dieselolei</i> KS-293 Isolated from Surface Seawater in the Eastern Mediterranean Sea. <i>Genome Announcements</i> , 2015, 3, .	0.8	8
32	Marine Microorganisms as Source of Stereoselective Esterases and Ketoreductases: Kinetic Resolution of a Prostaglandin Intermediate. <i>Marine Biotechnology</i> , 2015, 17, 144-152.	2.4	20
33	Microbial ecology-based methods to characterize the bacterial communities of non-model insects. <i>Journal of Microbiological Methods</i> , 2015, 119, 110-125.	1.6	14
34	Effects of the Diet on the Microbiota of the Red Palm Weevil (Coleoptera: Dryophthoridae). <i>PLoS ONE</i> , 2015, 10, e0117439.	2.5	74
35	Evolution of Mitochondria Reconstructed from the Energy Metabolism of Living Bacteria. <i>PLoS ONE</i> , 2014, 9, e96566.	2.5	52
36	Acetic Acid Bacteria Genomes Reveal Functional Traits for Adaptation to Life in Insect Guts. <i>Genome Biology and Evolution</i> , 2014, 6, 912-920.	2.5	66

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37	Interactions between <i>Asaia</i> , <i>Plasmodium</i> and <i>Anopheles</i> : new insights into mosquito symbiosis and implications in Malaria Symbiotic Control. <i>Parasites and Vectors</i> , 2013, 6, 182.	2.5	82
38	Microbial symbionts of honeybees: a promising tool to improve honeybee health. <i>New Biotechnology</i> , 2013, 30, 716-722.	4.4	53
39	Characterization of the Bacterial Community Associated with Larvae and Adults of <i>Anoplophora chinensis</i> Collected in Italy by Culture and Culture-Independent Methods. <i>BioMed Research International</i> , 2013, 2013, 1-12.	1.9	66
40	Genetic and Biochemical Diversity of <i>Paenibacillus</i> larvae Isolated from Tunisian Infected Honey Bee Broods. <i>BioMed Research International</i> , 2013, 2013, 1-9.	1.9	11
41	Genome Sequence of Radiation-Resistant <i>Modestobacter marinus</i> Strain BC501, a Representative Actinobacterium That Thrives on Calcareous Stone Surfaces. <i>Journal of Bacteriology</i> , 2012, 194, 4773-4774.	2.2	33
42	Genome Sequence of <i>Blastococcus saxobidens</i> DD2, a Stone-Inhabiting Bacterium. <i>Journal of Bacteriology</i> , 2012, 194, 2752-2753.	2.2	37
43	One-pot chemoenzymatic synthesis of aldoximes from primary alcohols in water. <i>Green Chemistry</i> , 2012, 14, 2158.	9.0	20
44	Delayed larval development in <i>Anopheles</i> mosquitoes deprived of <i>Asaia</i> bacterial symbionts. <i>BMC Microbiology</i> , 2012, 12, S2.	3.3	186
45	Horizontal transmission of the symbiotic bacterium <i>Asaia</i> sp. in the leafhopper <i>Scaphoideus titanus</i> Ball (Hemiptera: Cicadellidae). <i>BMC Microbiology</i> , 2012, 12, S4.	3.3	57
46	The Most Important <i>Bacillus</i> Species in Biotechnology. , 2012, , 329-345.		15
47	Incidence of <i>Candidatus Liberibacter europaeus</i> ™ and phytoplasmas in <i>Cacopsylla</i> species (Hemiptera: Tj ETQ ₀₁ 1 0.784314 rgBT	1.2	24
48	Contrasted resistance of stone-dwelling Geodermatophilaceae species to stresses known to give rise to reactive oxygen species. <i>FEMS Microbiology Ecology</i> , 2012, 80, 566-577.	2.7	97
49	Microbial symbionts: a resource for the management of insect-related problems. <i>Microbial Biotechnology</i> , 2012, 5, 307-317.	4.2	131
50	Phylogenomic Evidence for the Presence of a Flagellum and <i>cbb3</i> Oxidase in the Free-Living Mitochondrial Ancestor. <i>Molecular Biology and Evolution</i> , 2011, 28, 3285-3296.	8.9	124
51	<i>Candidatus Liberibacter europaeus</i> ™ sp. nov. that is associated with and transmitted by the psyllid <i>Cacopsylla pyri</i> apparently behaves as an endophyte rather than a pathogen. <i>Environmental Microbiology</i> , 2011, 13, 414-426.	3.8	84
52	The yeast <i>Wickerhamomyces anomalus</i> (<i>Pichia anomala</i>) inhabits the midgut and reproductive system of the Asian malaria vector <i>Anopheles stephensi</i> . <i>Environmental Microbiology</i> , 2011, 13, 911-921.	3.8	65
53	Different mosquito species host <i>Wickerhamomyces anomalus</i> (<i>Pichia anomala</i>): perspectives on vector-borne diseases symbiotic control. <i>Antonie Van Leeuwenhoek</i> , 2011, 99, 43-50.	1.7	68
54	Influence of transgenic Bt176 and non-transgenic corn silage on the structure of rumen bacterial communities. <i>Annals of Microbiology</i> , 2011, 61, 925-930.	2.6	19

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55	Bacterial Endosymbiont Localization in <i>Hyalesthes obsoletus</i> , the Insect Vector of Bois Noir in <i>Vitis vinifera</i> . Applied and Environmental Microbiology, 2011, 77, 1423-1435.	3.1	68
56	Mosquito-Bacteria Symbiosis: The Case of <i>Anopheles gambiae</i> and <i>Asaia</i> . Microbial Ecology, 2010, 60, 644-654.	2.8	150
57	A novel method for the isolation of DNA from intracellular bacteria, suitable for genomic studies. Annals of Microbiology, 2010, 60, 455-460.	2.6	3
58	Molecular Evidence for Multiple Infections as Revealed by Typing of <i>Asaia</i> Bacterial Symbionts of Four Mosquito Species. Applied and Environmental Microbiology, 2010, 76, 7444-7450.	3.1	87
59	Acetic Acid Bacteria, Newly Emerging Symbionts of Insects. Applied and Environmental Microbiology, 2010, 76, 6963-6970.	3.1	281
60	<i>Acetobacter tropicalis</i> Is a Major Symbiont of the Olive Fruit Fly (<i>Bactrocera oleae</i>). Applied and Environmental Microbiology, 2009, 75, 3281-3288.	3.1	127
61	<i>Asaia</i> , a versatile acetic acid bacterial symbiont, capable of cross-colonizing insects of phylogenetically distant genera and orders. Environmental Microbiology, 2009, 11, 3252-3264.	3.8	167
62	Paternal transmission of symbiotic bacteria in malaria vectors. Current Biology, 2008, 18, R1087-R1088.	3.9	133
63	DNA is preserved and maintains transforming potential after contact with brines of the deep anoxic hypersaline lakes of the Eastern Mediterranean Sea. Saline Systems, 2008, 4, 10.	2.0	72
64	Bacteria of the genus <i>Asaia</i> stably associate with <i>Anopheles stephensi</i> , an Asian malarial mosquito vector. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9047-9051.	7.1	391