

# 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	Bacteria of the genus <i>Asaia</i> stably associate with <i>Anopheles stephensi</i> , an Asian malarial mosquito vector. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9047-9051.	7.1	391
2	Acetic Acid Bacteria, Newly Emerging Symbionts of Insects. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6963-6970.	3.1	281
3	Delayed larval development in <i>Anopheles</i> mosquitoes deprived of <i>Asaiabacterial</i> symbionts. <i>BMC Microbiology</i> , 2012, 12, S2.	3.3	186
4	<i>Asaia</i> , a versatile acetic acid bacterial symbiont, capable of cross-colonizing insects of phylogenetically distant genera and orders. <i>Environmental Microbiology</i> , 2009, 11, 3252-3264.	3.8	167
5	Mosquito-Bacteria Symbiosis: The Case of <i>Anopheles gambiae</i> and <i>Asaia</i> . <i>Microbial Ecology</i> , 2010, 60, 644-654.	2.8	150
6	Paternal transmission of symbiotic bacteria in malaria vectors. <i>Current Biology</i> , 2008, 18, R1087-R1088.	3.9	133
7	Microbial symbionts: a resource for the management of insect-related problems. <i>Microbial Biotechnology</i> , 2012, 5, 307-317.	4.2	131
8	<i>Acetobacter tropicalis</i> is a Major Symbiont of the Olive Fruit Fly ( <i>Bactrocera oleae</i> ). <i>Applied and Environmental Microbiology</i> , 2009, 75, 3281-3288.	3.1	127
9	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
10	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
11	Contrasted resistance of stone-dwelling <i>Geodermatophilaceae</i> species to stresses known to give rise to reactive oxygen species. <i>FEMS Microbiology Ecology</i> , 2012, 80, 566-577.	2.7	97
12	Plant-mediated interspecific horizontal transmission of an intracellular symbiont in insects. <i>Scientific Reports</i> , 2015, 5, 15811.	3.3	90
13	Molecular Evidence for Multiple Infections as Revealed by Typing of <i>Asaia</i> Bacterial Symbionts of Four Mosquito Species. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7444-7450.	3.1	87
14	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
15	“ <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
16	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
17	Effects of the Diet on the Microbiota of the Red Palm Weevil (Coleoptera: Dryophthoridae). <i>PLoS ONE</i> , 2015, 10, e0117439.	2.5	74
18	DNA is preserved and maintains transforming potential after contact with brines of the deep anoxic hypersaline lakes of the Eastern Mediterranean Sea. <i>Saline Systems</i> , 2008, 4, 10.	2.0	72

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19	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
20	Bacterial Endosymbiont Localization in <i>Hyalesthes obsoletus</i> , the Insect Vector of Bois Noir in <i>Vitis vinifera</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 1423-1435.	3.1	68
21	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
22	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
23	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
24	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
25	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
26	Microbial symbionts of honeybees: a promising tool to improve honeybee health. <i>New Biotechnology</i> , 2013, 30, 716-722.	4.4	53
27	Evolution of Mitochondria Reconstructed from the Energy Metabolism of Living Bacteria. <i>PLoS ONE</i> , 2014, 9, e96566.	2.5	52
28	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
29	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
30	Compartmentalization of bacterial and fungal microbiomes in the gut of adult honeybees. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 42.	6.4	41
31	Genome Sequence of <i>Blastococcus saxobidens</i> DD2, a Stone-Inhabiting Bacterium. <i>Journal of Bacteriology</i> , 2012, 194, 2752-2753.	2.2	37
32	Microbial assisted phytodepuration for water reclamation: Environmental benefits and threats. <i>Chemosphere</i> , 2020, 241, 124843.	8.2	37
33	Hydrocarbon pollutants shape bacterial community assembly of harbor sediments. <i>Marine Pollution Bulletin</i> , 2016, 104, 211-220.	5.0	36
34	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
35	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
36	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

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37	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
38	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
39	Incidence of <i>Candidatus Liberibacter europaeus</i> <sup>TM</sup> and phytoplasmas in <i>Cacopsylla</i> species (Hemiptera: Tj ET Og 1 1 0.784314 rg	1.2	24
40	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
41	Methods for the genetic manipulation of marine bacteria. <i>Electronic Journal of Biotechnology</i> , 2018, 33, 17-28.	2.2	21
42	One-pot chemoenzymatic synthesis of aldoximes from primary alcohols in water. <i>Green Chemistry</i> , 2012, 14, 2158.	9.0	20
43	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
44	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
45	Asaia symbionts interfere with infection by <i>Flavescence dorée</i> phytoplasma in leafhoppers. <i>Journal of Pest Science</i> , 2018, 91, 1033-1046.	3.7	20
46	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
47	Activation of Immune Genes in Leafhoppers by Phytoplasmas and Symbiotic Bacteria. <i>Frontiers in Physiology</i> , 2019, 10, 795.	2.8	19
48	The Most Important <i>Bacillus</i> Species in Biotechnology. , 2012, , 329-345.		15
49	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
50	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
51	Genetic and Biochemical Diversity of <i>Paenibacillus larvae</i> Isolated from Tunisian Infected Honey Bee Broods. <i>BioMed Research International</i> , 2013, 2013, 1-9.	1.9	11
52	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
53	Destabilization of the Bacterial Interactome Identifies Nutrient Restriction-Induced Dysbiosis in Insect Guts. <i>Microbiology Spectrum</i> , 2022, 10, e0158021.	3.0	11
54	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

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55	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
56	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
57	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
58	Extreme Marine Environments (Brines, Seeps, and Smokers). , 2016, , 251-282.		4
59	Acetic Acid Bacteria as Symbionts of Insects. , 2016, , 121-142.		4
60	Microbe Relationships with Phytoplasmas in Plants and Insects. , 2019, , 207-235.		4
61	A novel method for the isolation of DNA from intracellular bacteria, suitable for genomic studies. <i>Annals of Microbiology</i> , 2010, 60, 455-460.	2.6	3
62	An Updated View of the Microbial Diversity in Deep Hypersaline Anoxic Basins. , 2017, , 23-40.		3
63	Microbial Diversity and Biotechnological Potential of Microorganisms Thriving in the Deep-Sea Brine Pools. , 2018, , 19-32.		2
64	Zooplankton as a Transitional Host for <i>Escherichia coli</i> in Freshwater. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0252221.	3.1	2