

Giorgia Sollai

List of Publications by Year in descending order

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54
papers

787
citations

516215

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56
all docs

56
docs citations

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times ranked

659
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#	ARTICLE	IF	CITATIONS
1	Associations between Orosensory Perception of Oleic Acid, the Common Single Nucleotide Polymorphisms (rs1761667 and rs1527483) in the CD36 Gene, and 6-n-Propylthiouracil (PROP) Tasting. <i>Nutrients</i> , 2015, 7, 2068-2084.	1.7	76
2	First objective evaluation of taste sensitivity to 6-n-propylthiouracil (PROP), a paradigm gustatory stimulus in humans. <i>Scientific Reports</i> , 2017, 7, 40353.	1.6	49
3	Gustatory Sensitivity and Food Acceptance in Two Phylogenetically Closely Related Papilionid Species: <i>Papilio hospiton</i> and <i>Papilio machaon</i> . <i>PLoS ONE</i> , 2014, 9, e100675.	1.1	26
4	Association between the rs2590498 polymorphism of Odorant Binding Protein (OBPIIIa) gene and olfactory performance in healthy subjects. <i>Behavioural Brain Research</i> , 2019, 372, 112030.	1.2	26
5	Taste discriminating capability to different bitter compounds by the larval styloconic sensilla in the insect herbivore <i>Papilio hospiton</i> (GÄ©nÄ©). <i>Journal of Insect Physiology</i> , 2015, 74, 45-55.	0.9	25
6	Olfactory sensitivity to major, intermediate and trace components of sex pheromone in <i>Ceratitis capitata</i> is related to mating and circadian rhythm. <i>Journal of Insect Physiology</i> , 2018, 110, 23-33.	0.9	24
7	Odor Identification Performance in Idiopathic Parkinsonâ€™s Disease Is Associated With Gender and the Genetic Variability of the Olfactory Binding Protein. <i>Chemical Senses</i> , 2019, 44, 311-318.	1.1	23
8	Morphological characterization of the antennal lobes in the Mediterranean fruit fly <i>Ceratitis capitata</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2016, 202, 131-146.	0.7	22
9	Structural and transcriptional evidence of mechanotransduction in the <i>Drosophila suzukii</i> ovipositor. <i>Journal of Insect Physiology</i> , 2020, 125, 104088.	0.9	22
10	Chemosensory basis of larval performance of <i>Papilio hospiton</i> on different host plants. <i>Journal of Insect Physiology</i> , 2017, 99, 47-57.	0.9	21
11	Taste Changes in Patients with Inflammatory Bowel Disease: Associations with PROP Phenotypes and polymorphisms in the salivary protein, Gustin and CD36 Receptor Genes. <i>Nutrients</i> , 2020, 12, 409.	1.7	21
12	Association between human olfactory performance and ability to detect single compounds in complex chemical mixtures.. <i>Physiology and Behavior</i> , 2020, 217, 112820.	1.0	21
13	Fat storage in <i>Drosophila suzukii</i> is influenced by different dietary sugars in relation to their palatability. <i>PLoS ONE</i> , 2017, 12, e0183173.	1.1	21
14	Oxaspiropentane Derivatives as Effective Sex Pheromone Analogues in the Gypsy Moth: Electrophysiological and Behavioral Evidence. <i>Chemical Senses</i> , 2007, 32, 755-763.	1.1	20
15	Antennular Morphology and Contribution of Aesthetascs in the Detection of Food-related Compounds in the Shrimp <i>Palaemon adspersus</i> Rathke, 1837 (Decapoda: Palaemonidae). <i>Biological Bulletin</i> , 2017, 232, 110-122.	0.7	20
16	Relationship between Olfactory Function and BMI in Normal Weight Healthy Subjects and Patients with Overweight or Obesity. <i>Nutrients</i> , 2022, 14, 1262.	1.7	18
17	The sense of water in the blowfly <i>Protophormia terraenovae</i> . <i>Journal of Insect Physiology</i> , 2010, 56, 1825-1833.	0.9	17
18	Human Tongue Electrophysiological Response to Oleic Acid and Its Associations with PROP Taster Status and the CD36 Polymorphism (rs1761667). <i>Nutrients</i> , 2019, 11, 315.	1.7	17

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19	A K ⁺ /H ⁺ P-ATPase transport in the accessory cell membrane of the blowfly taste chemosensilla sustains the transepithelial potential. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2008, 194, 981-988.	0.7	16
20	Morpho-functional identification of abdominal olfactory receptors in the midge <i>Culicoides imicola</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2010, 196, 817-824.	0.7	16
21	Genetic variability in Italian populations of <i>Drosophila suzukii</i> . <i>BMC Genetics</i> , 2017, 18, 87.	2.7	16
22	Age-Related Olfactory Decline Is Associated With Levels of Exercise and Non-exercise Physical Activities. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 695115.	1.7	16
23	Clonidine effects on protein and carbohydrate electrophysiological responses of labellar and tarsal sensilla in <i>Phormia regina</i> . <i>Journal of Insect Physiology</i> , 2008, 54, 1193-1199.	0.9	15
24	The spike generator in the labellar taste receptors of the blowfly is differently affected by 4-aminopyridine and 5-hydroxytryptamine. <i>Journal of Insect Physiology</i> , 2012, 58, 1686-1693.	0.9	15
25	Saccharin stimulates the "deterrent" cell in the blowfly: behavioral and electrophysiological evidence. <i>Physiology and Behavior</i> , 2004, 80, 637-646.	1.0	13
26	Transduction mechanism(s) of Na-saccharin in the blowfly <i>Protophormia terraenovae</i> : evidence for potassium and calcium conductance involvement. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2009, 195, 1141-1151.	0.7	13
27	Taste disorders are partly genetically determined: Role of the <i>TAS2R38</i> gene, a pilot study. <i>Laryngoscope</i> , 2019, 129, E307-E312.	1.1	13
28	Olfactory Function in Patients with Inflammatory Bowel Disease (IBD) Is Associated with Their Body Mass Index and Polymorphism in the Odor Binding-Protein (OBP1a) Gene. <i>Nutrients</i> , 2021, 13, 703.	1.7	13
29	Electrophysiological Responses from the Human Tongue to the Six Taste Qualities and Their Relationships with PROP Taster Status. <i>Nutrients</i> , 2020, 12, 2017.	1.7	12
30	Release mechanism of sex pheromone in the female gypsy moth <i>Lymantria dispar</i> : a morpho-functional approach. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2007, 193, 775-785.	0.7	11
31	Sensing with the legs: contribution of pereopods in the detection of food-related compounds in the red swamp crayfish <i>Procambarus clarkii</i> . <i>Journal of Crustacean Biology</i> , 2015, 35, 81-87.	0.3	11
32	Taste sensitivity and divergence in host plant acceptance between adult females and larvae of <i>Papilio hospiton</i> . <i>Insect Science</i> , 2018, 25, 809-822.	1.5	11
33	An automated system for the objective evaluation of human gustatory sensitivity using tongue biopotential recordings. <i>PLoS ONE</i> , 2017, 12, e0177246.	1.1	11
34	Sugar reception in the blowfly: a possible Ca ⁺⁺ involvement. <i>Journal of Insect Physiology</i> , 2002, 48, 693-699.	0.9	10
35	Effect of the rs2890498 polymorphism of the OBP1a gene on the human ability to smell single molecules. <i>Behavioural Brain Research</i> , 2021, 402, 113127.	1.2	10
36	Effects of Avermectins on Olfactory Responses of <i>Culicoides imicola</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50 62	0.9	10

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37	Taste input from tarsal sensilla is related to egg-laying behavior in <i>Papilio hospiton</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2017, 165, 38-49.	0.7	9
38	Taste receptor plasticity in relation to feeding history in two congeneric species of Papilionidae (Lepidoptera). <i>Journal of Insect Physiology</i> , 2018, 107, 41-56.	0.9	9
39	A polymorphism in the human gene encoding OBP11a affects the perceived intensity of smelled odors. <i>Behavioural Brain Research</i> , 2022, 427, 113860.	1.2	9
40	Taste response profiles of the labellar chemosensilla of the medfly <i>Ceratitis capitata</i> (Diptera: Tephritidae). <i>Journal of Insect Physiology</i> , 2018, 107, 104240.	0.6	6
41	The contribution of gustatory input to larval acceptance and female oviposition choice of potential host plants in <i>Papilio hospiton</i> (Lepidoptera). <i>Archives of Insect Biochemistry and Physiology</i> , 2019, 100, e21521.	0.6	6
42	Effects of chitosan and erythritol on labellar taste neuron activity, proboscis extension reflex, daily food intake, and mortality of male and female spotted-winged drosophila, <i>Drosophila suzukii</i> . <i>Journal of Insect Physiology</i> , 2021, 131, 104240.	0.9	6
43	Chemosensory Receptors in the Larval Maxilla of <i>Papilio hospiton</i> . <i>Frontiers in Ecology and Evolution</i> , 2022, 9, .	1.1	6
44	Electrophysiological and behavioural analyses on prey searching in the myrmecophagous carabid beetle <i>Siagona europaea</i> (Coleoptera Carabidae). <i>Ethology Ecology and Evolution</i> , 2010, 22, 375-384.	0.6	5
45	Octopamine modulates the activity of motoneurons related to calling behavior in the gypsy moth <i>Lymantria dispar</i> . <i>Insect Science</i> , 2018, 25, 797-808.	1.5	5
46	Association between olfactory sensitivity and behavioral responses of <i>Drosophila suzukii</i> to naturally occurring volatile compounds. <i>Archives of Insect Biochemistry and Physiology</i> , 2020, 104, e21669.	0.6	5
47	A pheromone analogue affects the evaporation rate of (+)-disparlure in <i>Lymantria dispar</i> . <i>Pest Management Science</i> , 2014, 70, 674-681.	1.7	3
48	Development of PVC Dispensers for Long-Lasting Release of Attractants for the Control of Invasive Crayfish Populations. <i>Diversity</i> , 2018, 10, 128.	0.7	3
49	Differences in the Olfactory Sensitivity of <i>Ceratitis capitata</i> to Headspace of Some Host Plants in Relation to Sex, Mating Condition and Population. <i>Diversity</i> , 2020, 12, 207.	0.7	3
50	A method for selective stimulation of leg chemoreceptors in whole crustaceans. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	3
51	An Overview of Insect Biodiversity. <i>Diversity</i> , 2022, 14, 134.	0.7	3
52	Taste Modulators are Tools to Gain a Better Insight into Specific Sensitivity of Chemoreceptors in Blowflies. <i>Chemical Senses</i> , 2005, 30, i279-i280.	1.1	2
53	The success in the short-distance communication for mating does not depend on chemical signals in the crustacean decapod <i>Procambarus clarkii</i> (Girard, 1852). <i>Advances in Oceanography and Limnology</i> , 2019, 10, .	0.2	2
54	Objective Human Gustatory Sensitivity Assessment Through a Portable Electronic Device. , 2018, , .		0