Francesca Romana Dani

List of Publications by Year
in descending order

80	3,915	172457 29	133252 59
papers	citations	h-index	g-index

83	83	83	2688
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Soil microbiome biomass, activity, composition and <scp>CO₂</scp> emissions in a longâ€term organic and conventional farming systems. Soil Use and Management, 2023, 39, 588-605.	4.9	6
2	Lipocalins in Arthropod Chemical Communication. Genome Biology and Evolution, 2021, 13, .	2.5	6
3	The Odorant-Binding Proteins of the Spider Mite Tetranychus urticae. International Journal of Molecular Sciences, 2021, 22, 6828.	4.1	7
4	Proteomics of arthropod soluble olfactory proteins. Methods in Enzymology, 2020, 642, 81-102.	1.0	3
5	Increased immunocompetence and network centrality of allogroomer workers suggest a link between individual and social immunity in honeybees. Scientific Reports, 2020, 10, 8928.	3.3	16
6	Semiochemicals for intraspecific communication of the fig weevil Aclees sp. cf. foveatus (Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.3	6
7	Chemosensory Proteins: A Versatile Binding Family. , 2019, , 147-169.		12
8	Natural biocide disrupts nestmate recognition in honeybees. Scientific Reports, 2019, 9, 3171.	3.3	25
9	Proteomic analysis of chemosensory organs in the honey bee parasite Varroa destructor: A comprehensive examination of the potential carriers for semiochemicals. Journal of Proteomics, 2018, 181, 131-141.	2.4	26
10	Odorant-binding protein-based identification of natural spatial repellents for the African malaria mosquito Anopheles gambiae. Insect Biochemistry and Molecular Biology, 2018, 96, 36-50.	2.7	24
11	Beyond chemoreception: diverse tasks of soluble olfactory proteins in insects. Biological Reviews, 2018, 93, 184-200.	10.4	502
12	Proteinase pattern of honeybee prepupae from healthy and American Foulbrood infected bees investigated by zymography. Electrophoresis, 2018, 39, 2160-2167.	2.4	5
13	Chemical Communication and Reproduction Partitioning in Social Wasps. Journal of Chemical Ecology, 2018, 44, 796-804.	1.8	15
14	Antennal Protein Profile in Honeybees: Caste and Task Matter More Than Age. Frontiers in Physiology, 2018, 9, 748.	2.8	18
15	Wide-scale analysis of protein expression in head and thorax of Aedes albopictus females. Journal of Insect Physiology, 2017, 99, 33-38.	2.0	0
16	Profiles of soluble proteins in chemosensory organs of three members of the afro-tropical Anopheles gambiae complex. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2017, 24, 41-50.	1.0	12
17	Conserved chemosensory proteins in the proboscis and eyes of Lepidoptera. International Journal of Biological Sciences, 2016, 12, 1394-1404.	6.4	72
18	Proteomic analysis of castor bean tick Ixodes ricinus: a focus on chemosensory organs. Insect Biochemistry and Molecular Biology, 2016, 78, 58-68.	2.7	38

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19	Chemical disguise of myrmecophilous cockroaches and its implications for understanding nestmate recognition mechanisms in leaf-cutting ants. BMC Ecology, 2016, 16, 35.	3.0	20
20	Using Errors by Guard Honeybees (Apis mellifera) to Gain New Insights into Nestmate Recognition Signals. Chemical Senses, 2015, 40, 649-653.	2.0	10
21	Candidate biomarkers for mosquito age-grading identified by label-free quantitative analysis of protein expression in Aedes albopictus females. Journal of Proteomics, 2015, 128, 272-279.	2.4	28
22	Integration strategies of a leaf-cutting ant social parasite. Animal Behaviour, 2015, 108, 55-65.	1.9	22
23	Soluble proteins of chemical communication: an overview across arthropods. Frontiers in Physiology, 2014, 5, 320.	2.8	398
24	Diversity, abundance, and sex-specific expression of chemosensory proteins in the reproductive organs of the locust Locusta migratoria manilensis. Biological Chemistry, 2013, 394, 43-54.	2.5	83
25	A Proteomic Investigation of Soluble Olfactory Proteins in Anopheles gambiae. PLoS ONE, 2013, 8, e75162.	2.5	37
26	Differential Expression of Odorant-Binding Proteins in the Mandibular Glands of the Honey Bee According to Caste and Age. Journal of Proteome Research, 2011, 10, 3439-3449.	3.7	134
27	Cooperative interactions between odorant-binding proteins of Anopheles gambiae. Cellular and Molecular Life Sciences, 2011, 68, 1799-1813.	5.4	81
28	The double nature of 1,5â€diaminonaphthalene as matrixâ€assisted laser desorption/ionization matrix: some experimental evidence of the protonation and reduction mechanisms. Rapid Communications in Mass Spectrometry, 2011, 25, 3091-3096.	1.5	25
29	A novel protein from the serum of Python sebae, structurally homologous with type-Î³ phospholipase A2 inhibitor, displays antitumour activity. Biochemical Journal, 2011, 440, 251-262.	3.7	13
30	Odorant-Binding Proteins and Chemosensory Proteins in Pheromone Detection and Release in the Silkmoth Bombyx mori. Chemical Senses, 2011, 36, 335-344.	2.0	134
31	Timing matters when assessing dominance and chemical signatures in the paper wasp Polistes dominulus. Behavioral Ecology and Sociobiology, 2010, 64, 1363-1365.	1.4	10
32	Mapping the Expression of Soluble Olfactory Proteins in the Honeybee. Journal of Proteome Research, 2010, 9, 1822-1833.	3.7	70
33	MALDI Mass Spectrometry Imaging, from its Origins up to Today: The State of the Art. Combinatorial Chemistry and High Throughput Screening, 2009, 12, 156-174.	1.1	54
34	Sexual and individual cues in the peri-anal gland secretum of crested porcupines (Hystrix cristata). Mammalian Biology, 2009, 74, 488-496.	1.5	7
35	Why are larvae of the social parasite wasp Polistes sulcifer not removed from the host nest?. Behavioral Ecology and Sociobiology, 2008, 62, 1319-1331.	1.4	23
36	Rapid assay of topiramate in dried blood spots by a new liquid chromatography-tandem mass spectrometric method. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 1392-1396.	2.8	87

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37	Polistes dominulus (Hymenoptera, Vespidae) Larvae Show Different Cuticular Patterns According to their Sex: Workers Seem Not Use This Chemical Information. Chemical Senses, 2008, 34, 195-202.	2.0	13
38	Exploring Proteins in Anopheles gambiae Male and Female Antennae through MALDI Mass Spectrometry Profiling. PLoS ONE, 2008, 3, e2822.	2.5	24
39	Workers of a Polistes Paper Wasp Detect the Presence of Their Queen by Chemical Cues. Chemical Senses, 2007, 32, 795-802.	2.0	45
40	Comparative analysis of epicuticular lipid profiles of sympatric and allopatric field populations of Anopheles gambiae s.s. molecular forms and An. arabiensis from Burkina Faso (West Africa). Insect Biochemistry and Molecular Biology, 2007, 37, 389-398.	2.7	35
41	Can venom volatiles be a taxonomic tool for Polistes wasps (Hymenoptera, Vespidae)?. Journal of Zoological Systematics and Evolutionary Research, 2007, 45, 202-205.	1.4	10
42	Social dominance molds cuticular and egg chemical blends in a paper wasp. Current Biology, 2007, 17, R504-R505.	3.9	56
43	Polistes dominulus (Hymenoptera: Vespidae) larvae possess their own chemical signatures. Journal of Insect Physiology, 2007, 53, 954-963.	2.0	29
44	Chemical mimicry in an incipient leaf-cutting ant social parasite. Behavioral Ecology and Sociobiology, 2007, 61, 843-851.	1.4	56
45	Secretory Proteins as Potential Semiochemical Carriers in the Horse. Biochemistry, 2006, 45, 13418-13428.	2.5	25
46	Volatiles from the venom of five species of paper wasps (Polistes dominulus, P. gallicus, P. nimphus, P.) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	29
47	Dominulin A and B: Two new antibacterial peptides identified on the cuticle and in the venom of the social paper wasp Polistes dominulus using MALDI-TOF, MALDI-TOF/TOF, and ESI-ion trap. Journal of the American Society for Mass Spectrometry, 2006, 17, 376-383.	2.8	78
48	Habitually used hibernation sites of paper wasps are marked with venom and cuticular peptides. Current Biology, 2006, 16, R530-R531.	3.9	21
49	Identification and composition of cuticular hydrocarbons of the major Afrotropical malaria vectorAnopheles gambiae s.s. (Diptera: Culicidae): analysis of sexual dimorphism and age-related changes. Journal of Mass Spectrometry, 2005, 40, 1595-1604.	1.6	68
50	Nestmate Recognition Cues in the Honey Bee: Differential Importance of Cuticular Alkanes and Alkenes. Chemical Senses, 2005, 30, 477-489.	2.0	195
51	Expression of odorant-binding proteins and chemosensory proteins in some Hymenoptera. Insect Biochemistry and Molecular Biology, 2005, 35, 297-307.	2.7	110
52	Epicuticular lipids and fertility in primitively social wasps (Hymenoptera Stenogastrinae). Physiological Entomology, 2004, 29, 464-471.	1.5	17
53	Can cuticular lipids provide sufficient information for withinâ€“colony nepotism in wasps?. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 745-753.	2.6	54
54	Alarm communication in Ropalidia social wasps. Insectes Sociaux, 2004, 51, 299.	1.2	18

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55	Soluble proteins of chemical communication in the social wasp Polistes dominulus. Cellular and Molecular Life Sciences, 2003, 60, 1933-1943.	5.4	154
56	Reevaluation of the chemical secretion of the sternal glands ofPolistessocial wasps (Hymenoptera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	23
57	Chemical nestmate recognition in a stenogastrine wasp,Liostenogaster flavolineata(Hymenoptera Vespidae). Ethology Ecology and Evolution, 2002, 14, 351-363.	1.4	21
58	Dufour gland contents of ants of the Cataglyphis bicolor group. Journal of Chemical Ecology, 2002, 28, 71-87.	1.8	15
59	Deciphering the recognition signature within the cuticular chemical profile of paper wasps. Animal Behaviour, 2001, 62, 165-171.	1.9	193
60	(Z)-3-hexenyl (R)-3-hydroxybutanoate: a male specific compound in three North American decorator wasps Eucerceris rubripes, E. conata and E. tricolor. Journal of Chemical Ecology, 2001, 27, 1437-1447.	1.8	10
61	Nestmate recognition in Parischnogaster striatula (Hymenoptera Stenogastrinae), visual and olfactory recognition cues. Journal of Insect Physiology, 2001, 47, 1013-1020.	2.0	24
62	Recognition of social parasites as nest-mates: adoption of colony-specific host cuticular odours by the paper wasp parasite Polistes sulcifer. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2253-2260.	2.6	66
63	Chemistry, ontogeny, and role of pygidial gland secretions of the vinegaroon Mastigoproctus giganteus (Arachnida: Uropygi). Journal of Insect Physiology, 2000, 46, 443-450.	2.0	18
64	Social Hackers: Integration in the Host Chemical Recognition System by a Paper Wasp Social Parasite. Die Naturwissenschaften, 2000, 87, 172-176.	1.6	66
65	Chemical characterization of the alarm pheromone in the venom of Polybia occidentalis and of volatiles from the venom of P. sericea. Physiological Entomology, 2000, 25, 363-369.	1.5	26
66	Venom induces alarm behaviour in the social wasp Polybioides raphigastra (Hymenoptera: Vespidae): an investigation of alarm behaviour, venom volatiles and sting autotomy. Physiological Entomology, 1999, 24, 234-239.	1.5	25
67	Chemical analysis of the swarming trail pheromone of the social wasp Polybia sericea (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	13
68	Sampling techniques for gas chromatographicâ€“mass spectrometric analysis of long-chain free fatty acids from insect exocrine glands. Journal of Chromatography A, 1998, 816, 169-175.	3.7	19
69	Species-Specific Volatile Substances in the Venom Sac of Hover Wasps. Journal of Chemical Ecology, 1998, 24, 1091-1104.	1.8	21
70	Intra and inter-specific relationships in a cluster of stenogastrine wasp colonies (Hymenoptera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.4	9
71	Solid-phase Microextraction of Insect Epicuticular Hydrocarbons for Gas Chromatographic/Mass Spectrometric Analysis. , 1997, 11, 857-862.		48
72	Dufour gland secretion of Polistes wasp: Chemical composition and possible involvement in nestmate recognition (Hymenoptera: vespidae). Journal of Insect Physiology, 1996, 42, 541-548.	2.0	47

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73	Ant repellent effect of the sternal gland secretion ofPolistes dominulus (Christ) andP. sulcifer (Zimmermann). (Hymenoptera: Vespidae). Journal of Chemical Ecology, 1996, 22, 37-48.	1.8	36
74	Behavioural evidence for the involvement of Dufour's gland secretion in nestmate recognition in the social wasp Polistes dominulus (Hymenoptera: Vespidae). Behavioral Ecology and Sociobiology, 1996, 38, 311-319.	1.4	49
75	Nestmate recognition in three species of stenogastrine wasps (Hymenoptera, Vespidae). Behavioral Ecology and Sociobiology, 1996, 39, 311-316.	1.4	14
76	Acetonitrile as an Effective Reactant Species for Positive-ion Chemical Ionization of Hydrocarbons by Ion-trap Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1996, 10, 167-170.	1.5	26
77	Chemical analysis of sternal gland secretion of paper waspPolistes dominulus (Christ) and its social parasitePolistes sulcifer (Zimmermann) (Hymenoptera: Vespidae). Journal of Chemical Ecology, 1995, 21, 1709-1718.	1.8	16
78	Caste size differences inPolistes gallicus(L.) (Hymenoptera Vespidae). Ethology Ecology and Evolution, 1994, 6, 67-73.	1.4	21
79	Preliminary note onPolistes atrimandibularis, the social parasite ofPolistes gallicus(Hymenoptera) Tj ETQq1 1 0.784314 rgBT /Overloc	1.4	0
80	Abdomen stroking behaviour and its possible functions in Polistes dominulus (christ) (hymenoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	31