Anne-Genevieve Bagneres

List of Publications by Year
in descending order

115	4,495	94433	155660
papers	citations	37 h-index	55 g-index

116	116	116	2215
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nestmate recognition in social insects and the role of hydrocarbons. , 2010, , 222-243.		289
2	Biosystematics of Reticulitermes termites in Europe: morphological, chemical and molecular data. Insectes Sociaux, 2001, 48, 202-215.	1.2	124
3	Individual, geographical and experimental variation of cuticular hydrocarbons of the ant cataglyphis cursor (Hymenoptera: Formicidae): Their use in nest and subspecies recognition. Biochemical Systematics and Ecology, 1990, 18, 63-73.	1.3	123
4	The postpharyngeal glands and the cuticle of Formicidae contain the same characteristic hydrocarbons. Experientia, 1991, 47, 106-111.	1.2	113
5	Interspecific recognition among termites of the genusReticulitermes: Evidence for a role for the cuticular hydrocarbons. Journal of Chemical Ecology, 1991, 17, 2397-2420.	1.8	111
6	Cuticular hydrocarbons and defensive compounds ofReticulitermes flavipes (Kollar) andR. santonensis (feytaud): Polymorphism and chemotaxonomy. Journal of Chemical Ecology, 1990, 16, 3213-3244.	1.8	108
7	Cuticular Hydrocarbon Composition Reflects Genetic Relationship Among Colonies of the Introduced Termite Reticulitermes santonensis Feytaud. Journal of Chemical Ecology, 2006, 32, 1027-1042.	1.8	104
8	Cuticular lipids and water balance. , 2010, , 100-120.		102
9	Chemical Usurpation of a Nest by Paper Wasp Parasites. Science, 1996, 272, 889-892.	12.6	95
10	Genetic analysis of the breeding system of an invasive subterranean termite, Reticulitermes santonensis, in urban and natural habitats. Molecular Ecology, 2005, 14, 1311-1320.	3.9	90
11	Cuticular hydrocarbons, social organization and ovarian development in a polistine wasp: Polistes dominulus christ. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1991, 100, 667-680.	0.2	83
12	A Comparative Genetic Analysis of the Subterranean Termite Genus <I>Reticulitermes</I> (Isoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	78
13	Genetic Evidence for the Synonymy of Two <I>Reticulitermes</I> Species: <I>Reticulitermes flavipes</I> and <I>Reticulitermes santonensis</I>. Annals of the Entomological Society of America, 2005, 98, 395-401.	2.5	78
14	Modifications of the cuticular hydrocarbon profile of Apis mellifera worker bees in the presence of the ectoparasitic mite Varroa jacobsoni in brood cells. Parasitology, 2001, 122, 145-59.	1.5	72
15	Change in the chemical signature of the ant leptothorax lichtensteini bondroit with time. Insect Biochemistry and Molecular Biology, 1993, 23, 945-957.	2.7	69
16	Induced mimicry of colony odors in ants. Journal of Chemical Ecology, 1991, 17, 1641-1664.	1.8	68
17	Polistes biglumis bimaculatus epicuticular hydrocarbons and nestmate recognition (Hymenoptera,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	66
18	Competition between invasive and indigenous species: an insular case study of subterranean termites. Biological Invasions, 2011, 13, 1457-1470.	2.4	61

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19	Effect of age and sex on the production of internal and external hydrocarbons and pheromones in the housefly, Musca domestica. Insect Biochemistry and Molecular Biology, 2001, 31, 139-155.	2.7	60
20	Brood care and social evolution in termites. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2662-2671.	2.6	60
21	A simple method for analysis of insect cuticular hydrocarbons. Journal of Chemical Ecology, 1990, 16, 3263-3276.	1.8	59
22	Mechanism underlying cuticular hydrocarbon homogeneity in the antCamponotus vagus (SCOP.) (Hymenoptera: Formicidae): Role of postpharyngeal glands. Journal of Chemical Ecology, 1995, 21, 1127-1148.	1.8	59
23	Interspecific variation in terpenoid composition of defensive secretions of European Reticulitermes termites. Journal of Chemical Ecology, 2003, 29, 639-652.	1.8	59
24	Identification of a Widespread Monomolecular Odor Differentially Attractive to Several Delia Radicum Ground-dwelling Predators in the Field. Journal of Chemical Ecology, 2007, 33, 2064-2077.	1.8	59
25	Introduction: history and overview of insect hydrocarbons. , 2010, , 3-18.		58
26	Polymorphic microsatellite loci in the European subterranean termite,Reticulitermes santonensisFeytaud. Molecular Ecology Notes, 2004, 4, 127-129.	1.7	54
27	High occurrence of colony fusion in a European population of the American termite Reticulitermes flavipes. Insectes Sociaux, 2010, 57, 393-402.	1.2	54
28	Role of plant volatiles in the search for a host by parasitoidDiglyphus isaea (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	1.8	53
29	Changes in cuticular compounds composition during the gregarious period and after dispersal of the young in Tegenaria atrica (Araneae, Agelenidae). Insect Biochemistry and Molecular Biology, 1996, 26, 77-84.	2.7	52
30	Structure and analysis of insect hydrocarbons. , 2010, , 19-34.		52
31	Origin of a new Reticulitermes termite (Isoptera, Rhinotermitidae) inferred from mitochondrial and nuclear DNA data. Molecular Phylogenetics and Evolution, 2004, 30, 344-353.	2.7	51
32	Alkenes as a Sexual Pheromone in the Alfalfa Leaf-Cutter Bee Megachile rotundata. Journal of Chemical Ecology, 1999, 25, 471-490.	1.8	50
33	Global genetic analysis reveals the putative native source of the invasive termite,Reticulitermes flavipes,in France. Molecular Ecology, 2013, 22, 1105-1119.	3.9	50
34	Historical biogeography of Reticulitermes termites (Isoptera: Rhinotermitidae) inferred from analyses of mitochondrial and nuclear loci. Molecular Phylogenetics and Evolution, 2016, 94, 778-790.	2.7	49
35	Contact Sex Signals in Two Sympatric Spider Species, Tegenaria domestica and Tegenaria pagana. Journal of Chemical Ecology, 1997, 23, 747-758.	1.8	46
36	The breeding system and population structure of the termite Reticulitermes grassei in Southwestern France. Heredity, 2005, 95, 408-415.	2.6	46

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37	Chemical taxonomy with hydrocarbons. , 2010, , 121-162.		44
38	Concealing identity and mimicking hosts: a dual chemical strategy for a single social parasite? (Polistes atrimandibularis, Hymenoptera: Vespidae). Parasitology, 2002, 125, 507-512.	1.5	43
39	Potential mechanism for detection by Apis mellifera of the parasitic mite Varroa destructor inside sealed brood cells. Physiological Entomology, 2002, 27, 175-188.	1.5	42
40	Phylogeography of two European Reticulitermes (Isoptera) species: the Iberian refugium. Molecular Ecology, 2004, 13, 3099-3113.	3.9	42
41	Chemical deception/mimicry using cuticular hydrocarbons. , 0, , 282-324.		42
42	Dynamics of chemical mimicry in the social parasite wasp Polistes semenowi (Hymenoptera: Vespidae). Parasitology, 2004, 129, 643-651.	1.5	41
43	Behavioral and evolutionary roles of cuticular hydrocarbons in Diptera. , 0, , 325-343.		41
44	Regulation of the chemical signatures of two termite species, Reticulitermes santonensis and Reticulitermes lucifugus grassei, living in mixed experimental colonies. Journal of Insect Physiology, 1996, 42, 309-321.	2.0	40
45	Cleptoparasites, social parasites and a common host: Chemical insignificance for visiting host nests, chemical mimicry for living in. Journal of Insect Physiology, 2012, 58, 1259-1264.	2.0	38
46	Communication and Social Regulation in Termites. , 2015, , 193-248.		38
47	Selective adaptation of the cuticular hydrocarbon profiles of the slave-making ants Polyergus rufescens Latr. and their Formica rufibarbis Fab. and F. Cunicularia Latr. slaves. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1996, 113, 313-329.	1.6	37
48	Title is missing!. Journal of Chemical Ecology, 2000, 26, 765-789.	1.8	37
49	Variations in chemical mimicry by the ectoparasitic mite Varroa jacobsoni according to the developmental stage of the host honey-bee Apis mellifera. Insect Biochemistry and Molecular Biology, 2001, 31, 365-379.	2.7	37
50	Variations in Worker Cuticular Hydrocarbons and Soldier Isoprenoid Defensive Secretions Within and Among Introduced and Native Populations of the Subterranean Termite, Reticulitermes flavipes. Journal of Chemical Ecology, 2010, 36, 1189-1198.	1.8	37
51	Geographical distribution, genetic diversity and social organization of a new European termite, Reticulitermes urbis (Isoptera: Rhinotermitidae). Biological Invasions, 2010, 12, 1389-1402.	2.4	37
52	Varroa destructor changes its cuticular hydrocarbons to mimic new hosts. Biology Letters, 2015, 11, 20150233.	2.3	36
53	Relationship between invasion success and colony breeding structure in a subterranean termite. Molecular Ecology, 2015, 24, 2125-2142.	3.9	36
54	Artificial neural network modeling of caste odor discrimination based on cuticular hydrocarbons in termites. Chemoecology, 1998, 8, 201-209.	1.1	35

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55	Characterization of termite lipophorin and its involvement in hydrocarbon transport. Journal of Insect Physiology, 2004, 50, 609-620.	2.0	35
56	Does group closure exist in the social spider Anelosimus eximius ? Behavioural and chemical approach. Insectes Sociaux, 1997, 44, 159-169.	1.2	33
57	Unicoloniality in Reticulitermes urbis: a novel feature in a potentially invasive termite species. Bulletin of Entomological Research, 2009, 99, 1-10.	1.0	33
58	Modification of morphological characters and cuticular compounds in worker ants Leptothorax nylanderi induced by endoparasites Anomotaenia brevis. Journal of Insect Physiology, 2000, 46, 169-178.	2.0	32
59	Colonial and geographic variations in agonistic behaviour, cuticular hydrocarbons and mtDNA of Italian populations of Reticulitermes lucifugus (Isoptera, Rhinotermitidae). Insectes Sociaux, 2004, 51, 163-170.	1.2	32
60	Site of synthesis, mechanism of transport and selective deposition of hydrocarbons. , 0, , 75-99.		32
61	Molecular biology and genetics of hydrocarbon production. , 2010, , 53-74.		31
62	Cuticular hydrocarbons wherebyMessor barbarus ant workers putatively discriminate between monogynous and polygynous colonies. Are workers labeled by queens?. Journal of Chemical Ecology, 1994, 20, 2985-3003.	1.8	30
63	Contact Versus Feeding Intoxication by Fipronil in <I>Reticulitermes</I> Termites (Isoptera:) Tj ETQq1 1 0.784314 rgBT /Ov Individuals. Journal of Economic Entomology, 2009, 102, 347-356.	1.8	28
64	Clinal variation in colony breeding structure and level of inbreeding in the subterranean termites <scp>R</scp>eticulitermes flavipes and <scp>R</scp>.Âgrassei. Molecular Ecology, 2013, 22, 1447-1462.	3.9	28
65	Population Diversity in Cuticular Hydrocarbons and mtDNA in a Mountain Social Wasp. Journal of Chemical Ecology, 2015, 41, 22-31.	1.8	28
66	Lock-picks: fungal infection facilitates the intrusion of strangers into ant colonies. Scientific Reports, 2017, 7, 46323.	3.3	28
67	Intra-colony, inter-colony and seasonal variations of cuticular hydrocarbon profiles in Formica japonica (Hymenoptera, Formicidae). Insectes Sociaux, 2001, 48, 342-346.	1.2	27
68	From speciation to introgressive hybridization: the phylogeographic structure of an island subspecies of termite, Reticulitermes lucifugus corsicus. BMC Evolutionary Biology, 2008, 8, 38.	3.2	27
69	Sex recognition inDiglyphus isaea walker (Hymenoptera: Eulophidae): Role of an uncommon family of behaviorally active compounds. Journal of Chemical Ecology, 1996, 22, 2063-2079.	1.8	25
70	Plasticity of the Cuticular Hydrocarbon Profile of the Slave-Making Ant Polyergus Rufescens Depending on the Social Environment. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1997, 116, 287-302.	1.6	25
71	Facultative social parasites mark host nests with branched hydrocarbons. Animal Behaviour, 2011, 82, 1143-1149.	1.9	25
72	Evolutionary consequences of deception: Complexity and informational content of colony signature are favored by social parasitism. Environmental Epigenetics, 2014, 60, 137-148.	1.8	25

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73	Contact recognition pheromones in spiders and scorpions. , 2010, , 344-374.		23
74	Title is missing!. Journal of Chemical Ecology, 1999, 25, 2267-2283.	1.8	22
75	Differential adsorption of allospecific hydrocarbons by the cuticles of two termite species, Reticulitermes santonensis and R. lucifugus grassei, living in a mixed colony. Journal of Insect Physiology, 1997, 44, 59-66.	2.0	21
76	Endocrine control of cuticular hydrocarbon profiles during worker-to-soldier differentiation in the termite Reticulitermes flavipes. Journal of Insect Physiology, 2014, 61, 25-33.	2.0	21
77	Chemical Heterogeneity in Inbred European Population of the Invasive Hornet Vespa velutina nigrithorax. Journal of Chemical Ecology, 2017, 43, 763-777.	1.8	19
78	Cuticular hydrocarbons as cues of sex and health condition in Polistes dominula wasps. Insectes Sociaux, 2019, 66, 543-553.	1.2	19
79	Unbalanced biparental care during colony foundation in two subterranean termites. Ecology and Evolution, 2019, 9, 192-200.	1.9	19
80	Extensive humanâ€mediated jump dispersal within and across the native and introduced ranges of the invasive termite Reticulitermes flavipes. Molecular Ecology, 2021, 30, 3948-3964.	3.9	19
81	Waxes of the social spiderAnelosimus eximius(Araneae, Theridiidae): Abundance of noveln-propyl esters of long-chain methyl-branched fatty acids. Archives of Insect Biochemistry and Physiology, 1997, 36, 295-314.	1.5	18
82	Species-specific secretions of the dufour glands of three species of formicine ants (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	17
83	Ontogenic potentialities of the worker caste in two sympatric subterranean termites in France. Evolution & Development, 2011, 13, 138-148.	2.0	17
84	Changes in the Hydrocarbon Proportions of Colony Odor and Their Consequences on Nestmate Recognition in Social Wasps. PLoS ONE, 2013, 8, e65107.	2.5	17
85	Strategy for the analysis of cuticular hydrocarbon waxes from insects using gas chromatography/mass spectrometry with electron impact and chemical ionization. Biomedical & Environmental Mass Spectrometry, 1989, 18, 787-800.	1.6	16
86	Volatile secretion of dufour gland of workers of an army ant,Dorylus (Anomma) molestus. Journal of Chemical Ecology, 1991, 17, 1633-1639.	1.8	16
87	Cuticular hydrocarbons in workers of the slave-making ant Polyergus samurai and its slave, Formica japonica (Hymenoptera: Formicidae). Entomological Science, 2003, 6, 125-133.	0.6	16
88	Parasitoids Modify Their Oviposition Behavior According to the Sexual Origin of Conspecific Cuticular Hydrocarbon Traces. Journal of Chemical Ecology, 2010, 36, 1092-1100.	1.8	15
89	Subterranean termite phylogeography reveals multiple postglacial colonization events in southwestern Europe. Ecology and Evolution, 2016, 6, 5987-6004.	1.9	14
90	Oxygenated derivatives of hydrocarbons. , 0, , 187-204.		12

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91	Potential spread of the invasive North American termite, Reticulitermes flavipes, and the impact of climate warming. Biological Invasions, 2018, 20, 905-922.	2.4	12
92	When predator odour makes groups stronger: effects on behavioural and chemical adaptations in two termite species. Ecological Entomology, 2018, 43, 513-524.	2.2	12
93	Appeasing their hosts: a novel strategy for parasite brood. Animal Behaviour, 2018, 146, 123-134.	1.9	11
94	Regulation of cuticular and postpharyngeal hydrocarbons in the slave-making ant Polyergus rufescens: effect of Formica rufibarbis slaves. Journal of Insect Physiology, 2004, 50, 285-293.	2.0	9
95	Modifications of the Chemical Profile of Hosts after Parasitism Allow Parasitoid Females to Assess the Time Elapsed Since the First Attack. Journal of Chemical Ecology, 2010, 36, 513-521.	1.8	9
96	Spatial structuring of the population genetics of a European subterranean termite species. Ecology and Evolution, 2015, 5, 3090-3102.	1.9	9
97	Spatial and genetic distribution of a north American termite, Reticulitermes flavipes, across the landscape of Paris. Urban Ecosystems, 2018, 21, 751-764.	2.4	9
98	Endogenous synchronization of the chemical signature of Reticulitermes (Isoptera: Rhinotermitidae) worker termites. Annales De La Societe Entomologique De France, 2011, 47, 202-208.	0.9	8
99	Termiteâ€™s royal cradle: does colony foundation success differ between two subterranean species?. Insectes Sociaux, 2017, 64, 515-523.	1.2	8
100	Invasion Dynamics of A Termite, Reticulitermes flavipes, at Different Spatial Scales in France. Insects, 2019, 10, 30.	2.2	8
101	Colony Breeding Structure of the Invasive Termite <I>Reticulitermes urbis</I> (Isoptera:) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	6
102	An American termite in Paris: temporal colony dynamics. Genetica, 2017, 145, 491-502.	1.1	6
103	Divergence in Cuticular Chemical Signatures between Isolated Populations of an Intraspecific Social Parasite. Frontiers in Ecology and Evolution, 2017, 5, .	2.2	5
104	Nest signature changes throughout colony cycle and after social parasite invasion in social wasps. PLoS ONE, 2017, 12, e0190018.	2.5	5
105	OpenFluo: A free open-source software for optophysiological data analyses. Journal of Neuroscience Methods, 2009, 183, 195-201.	2.5	4
106	Genetic diversity and invasion history of the European subterranean termite Reticulitermes urbis (Blattodea, Termitoidae, Rhinotermitidae). Biological Invasions, 2018, 20, 33-44.	2.4	4
107	Strong Gene Flow Undermines Local Adaptations in a Host Parasite System. Insects, 2020, 11, 585.	2.2	4
108	GÃ©ographie des termites souterrains en rÃ©gion Centre-Val de LoireÂ: le risque dâ€™une espÃ¨ce invasive. CyberGeo, 0, , .	0.0	4

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109	Future directions in hydrocarbon research. , 0, , 477-485.		3
110	Kin recognition in the larvae of a solitary insect: the cue is in the plug. Behavioral Ecology, 2010, 21, 633-638.	2.2	3
111	Revision of the systematics of the genusCalliptamusServille 1831, (Orthoptera: Acrididae:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Entomologique De France, 2015, 51, 78-88.	0.9	1
112	Preface: Aquatic chemical ecology special issue. Aquatic Ecology, 2022, 56, 337-338.	1.5	1
113	Cuticular Hydrocarbons. , 2021, , 319-322.		0
114	Cuticular Hydrocarbons. , 2019, , 1-4.		0
115	Cuticular Hydrocarbons. , 2020, , 1-4.		0