

Göran Birgersson

List of Publications by Year in descending order

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65
papers

2,555
citations

136950

32
h-index

206112

48
g-index

65
all docs

65
docs citations

65
times ranked

1948
citing authors

#	ARTICLE	IF	CITATIONS
1	Floral to green: mating switches moth olfactory coding and preference. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2314-2322.	2.6	137
2	Inducibility of chemical defenses in Norway spruce bark is correlated with unsuccessful mass attacks by the spruce bark beetle. Oecologia, 2012, 170, 183-198.	2.0	120
3	Attraction and Oviposition of Tuta absoluta Females in Response to Tomato Leaf Volatiles. Journal of Chemical Ecology, 2011, 37, 565-574.	1.8	110
4	Field response of spruce bark beetle, Ips typographus, to aggregation pheromone candidates. Journal of Chemical Ecology, 1987, 13, 701-716.	1.8	109
5	Volatiles from Nonhost Birch Trees Inhibit Pheromone Response in Spruce Bark Beetles. Die Naturwissenschaften, 1998, 85, 557-561.	1.6	104
6	Title is missing!. Journal of Chemical Ecology, 1999, 25, 1923-1943.	1.8	88
7	A key malaria metabolite modulates vector blood seeking, feeding, and susceptibility to infection. Science, 2017, 355, 1076-1080.	12.6	87
8	Bark volatiles from nonhost angiosperm trees of spruce bark beetle, Ips typographus (L.) (Coleoptera: Tj ETQq0 0 Q rgBT /Overlock 10 T	1.1	84
9	Volatiles released from individual spruce bark beetle entrance holes Quantitative variations during the first week of attack. Journal of Chemical Ecology, 1989, 15, 2465-2483.	1.8	81
10	Inhibition of attraction to aggregation pheromone by verbenone and ipsenol. Journal of Chemical Ecology, 1989, 15, 2263-2277.	1.8	75
11	A Drosophila female pheromone elicits species-specific long-range attraction via an olfactory channel with dual specificity for sex and food. BMC Biology, 2017, 15, 88.	3.8	74
12	Strategies of a bark beetle, Pityogenes bidentatus, in an olfactory landscape. Die Naturwissenschaften, 2000, 87, 503-507.	1.6	68
13	Rice volatiles lure gravid malaria mosquitoes, Anopheles arabiensis. Scientific Reports, 2016, 6, 37930.	3.3	66
14	Variation of enantiomeric composition of β -pinene in Norway spruce, Picea abies, and its influence on production of verbenol isomers by Ips typographus in the field. Journal of Chemical Ecology, 1989, 15, 541-548.	1.8	64
15	Pheromones in white pine cone beetle, Conophthorus coniperda (Schwarz) (Coleoptera: Scolytidae). Journal of Chemical Ecology, 1995, 21, 143-167.	1.8	61
16	Demonstration of de Novo pheromone biosynthesis in Ips duplicatus (Coleoptera: Scolytidae): inhibition of Ipsdienol and E-Myrcenol production by compactin. Insect Biochemistry and Molecular Biology, 1993, 23, 655-662.	2.7	60
17	Olfactory responses of Ips duplicatus from inner Mongolia, China to nonhost leaf and bark volatiles. Journal of Chemical Ecology, 2001, 27, 995-1009.	1.8	57
18	Floral fragrance disparity between three taxa of lady's slipper Cypripedium calceolus (Orchidaceae). Phytochemistry, 1992, 31, 2315-2319.	2.9	55

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19	ELECTROPHYSIOLOGICAL AND BEHAVIOURAL RESPONSES OF <i>TOMICUS PINIPERDA</i> AND <i>TOMICUS MINOR</i> (COLEOPTERA: SCOLYTIDAE) TO NON-HOST LEAF AND BARK VOLATILES. Canadian Entomologist, 2000, 132, 965-981.	0.8	50
20	Avoidance of nonhost plants by a bark beetle, <i>Pityogenes bidentatus</i> , in a forest of odors. Die Naturwissenschaften, 2004, 91, 215-219.	1.6	50
21	Plant Odor Analysis of Potato: Response of Guatemalan Moth to Above- and Belowground Potato Volatiles. Journal of Agricultural and Food Chemistry, 2009, 57, 5903-5909.	5.2	47
22	Detection and perception of generic host volatiles by mosquitoes modulate host preference: context dependence of (<i>R</i>)-1-octen-3-ol. Royal Society Open Science, 2016, 3, 160467.	2.4	43
23	A(maize)ing attraction: gravid <i>Anopheles arabiensis</i> are attracted and oviposit in response to maize pollen odours. Malaria Journal, 2017, 16, 39.	2.3	43
24	Sweet attraction: sugarcane pollen-associated volatiles attract gravid <i>Anopheles arabiensis</i> . Malaria Journal, 2018, 17, 90.	2.3	43
25	Chicken volatiles repel host-seeking malaria mosquitoes. Malaria Journal, 2016, 15, 354.	2.3	40
26	A retrospective analysis of contamination and periphyton PICT patterns for the antifoulant irgarol 1051, around a small marina on the Swedish west coast. Marine Pollution Bulletin, 2009, 58, 230-237.	5.0	39
27	Regulation and biosynthesis of pheromone components in the double spined bark beetle <i>Ips duplicatus</i> (Coleoptera: Scolytidae). Journal of Insect Physiology, 1995, 41, 843-849.	2.0	38
28	Title is missing!. Journal of Chemical Ecology, 2000, 26, 841-858.	1.8	38
29	Styrene, (+)-trans-(1R,4S,5S)-4-Thujanol and Oxygenated Monoterpenes Related to Host Stress Elicit Strong Electrophysiological Responses in the Bark Beetle <i>Ips typographus</i> . Journal of Chemical Ecology, 2019, 45, 474-489.	1.8	36
30	Structure-activity studies on aggregation pheromone components of <i>Pityogenes chalcographus</i> (Coleoptera: Scolytidae). Journal of Chemical Ecology, 1989, 15, 685-695.	1.8	35
31	Tentative biomarkers for 2,4,6-trinitrotoluene (TNT) in fish (<i>Oncorhynchus mykiss</i>). Aquatic Toxicology, 2005, 72, 221-230.	4.0	35
32	Concurrent modulation of neuronal and behavioural olfactory responses to sex and host plant cues in a male moth. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141884.	2.6	35
33	The influence of host tree response to <i>Ips typographus</i> and fungal attack on production of semiochemicals. Insect Biochemistry, 1988, 18, 761-770.	1.8	33
34	Production of pheromone components, chalcogran and methyl (E,Z)-2,4-decadienoate, in the spruce engraver <i>Pityogenes chalcographus</i> . Journal of Insect Physiology, 1990, 36, 391-395.	2.0	33
35	Use of the effluent from biogas production for cultivation of <i>Spirulina</i> . Bioprocess and Biosystems Engineering, 2017, 40, 625-631.	3.4	29
36	Synthetic attractants for the bark beetle parasitoid <i>Coeloides bostrichorum</i> Giraud (Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	27

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37	Host Plant Species Differentiation in a Polyphagous Moth: Olfaction is Enough. <i>Journal of Chemical Ecology</i> , 2017, 43, 794-805.	1.8	24
38	Modulation of Reproductive Behaviors by Non-Host Volatiles in the Polyphagous Egyptian Cotton Leafworm, <i>Spodoptera littoralis</i> . <i>Journal of Chemical Ecology</i> , 2013, 39, 1273-1283.	1.8	23
39	Characterization of olfactory sensory neurons in the white clover seed weevil, <i>Apion fulvipes</i> (Coleoptera: Apionidae). <i>Journal of Insect Physiology</i> , 2012, 58, 1325-1333.	2.0	22
40	Fate and Effects of 2,4,6-Trinitrotoluene (TNT) from Dumped Ammunition in a Field Study with Fish and Invertebrates. <i>Archives of Environmental Contamination and Toxicology</i> , 2006, 51, 244-252.	4.1	21
41	A model for peak and width of signaling windows: <i>Ips duplicatus</i> and <i>Chilo partellus</i> pheromone component proportions--does response have a wider window than production?. <i>Journal of Chemical Ecology</i> , 2001, 27, 1481-1511.	1.8	20
42	Electrophysiological and Behavioral Responses of <i>Ips duplicatus</i> to Aggregation Pheromone in Inner Mongolia, China: Amitinol as a Potential Pheromone Component. <i>Journal of Chemical Ecology</i> , 2007, 33, 1303-1315.	1.8	19
43	Identification of Plant Semiochemicals and Characterization of New Olfactory Sensory Neuron Types in a Polyphagous Pest Moth, <i>Spodoptera littoralis</i> . <i>Chemical Senses</i> , 2014, 39, 719-733.	2.0	19
44	Acute Effects Of 2,4,6-Trinitrotoluene (TNT) on Haematology Parameters and Hepatic EROD-Activity in Rainbow Trout (<i>Oncorhynchus mykiss</i>). <i>Aquatic Ecosystem Health and Management</i> , 2003, 6, 415-421.	0.6	18
45	Aggregation pheromones of bark beetles, <i>Pityogenes quadridens</i> and <i>P. bidentatus</i> , colonizing Scotch pine: olfactory avoidance of interspecific mating and competition. <i>Chemoecology</i> , 2013, 23, 251-261.	1.1	18
46	Identification of Cattle-Derived Volatiles that Modulate the Behavioral Response of the Biting Midge <i>Culicoides nubeculosus</i> . <i>Journal of Chemical Ecology</i> , 2016, 42, 24-32.	1.8	18
47	Microalgal growth in municipal wastewater treated in an anaerobic moving bed biofilm reactor. <i>Bioresource Technology</i> , 2016, 207, 19-23.	9.6	17
48	TNT leakage through sediment to water and toxicity to <i>Nitocra spinipes</i> . <i>Ecotoxicology and Environmental Safety</i> , 2007, 67, 341-348.	6.0	14
49	The role of pollinators, pests and different yield components for organic and conventional white clover seed yields. <i>Field Crops Research</i> , 2017, 210, 1-8.	5.1	13
50	Guatemalan potato moth <i>Tecia solanivora</i> distinguish odour profiles from qualitatively different potatoes <i>Solanum tuberosum</i> L.. <i>Phytochemistry</i> , 2013, 85, 72-81.	2.9	12
51	Using synthetic semiochemicals to train canines to detect bark beetle-infested trees. <i>Annals of Forest Science</i> , 2019, 76, 1.	2.0	12
52	Individual variation in bark beetle and moth pheromones - a comparison and an evolutionary background. <i>Ecography</i> , 1989, 12, 457-465.	4.5	11
53	Monoterpene emissions and cuticular lipids of loblolly and slash pines: potential bases for oviposition preference of the Nantucket pine tip moth. <i>Canadian Journal of Botany</i> , 1995, 73, 21-25.	1.1	10
54	Host tree resistance influencing pheromone production in <i>Ips typographus</i> (Coleoptera: Scolytidae). <i>Ecography</i> , 1989, 12, 451-456.	4.5	9

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55	Ecological and Phylogenetic Relationships Shape the Peripheral Olfactory Systems of Highly Specialized Gall Midges (Cecidomyiidae). <i>Frontiers in Physiology</i> , 2018, 9, 323.	2.8	9
56	<i>Plasmodium falciparum</i> gametocyte-induced volatiles enhance attraction of <i>Anopheles</i> mosquitoes in the field. <i>Malaria Journal</i> , 2020, 19, 327.	2.3	9
57	Host-plant location by the Guatemalan potato moth <i>Tecia solanivora</i> is assisted by floral volatiles. <i>Chemoecology</i> , 2017, 27, 187-198.	1.1	7
58	Field Abundance Patterns and Odor-Mediated Host Choice by Clover Seed Weevils, <i>Apion fulvipes</i> and <i>Apion trifolii</i> (Coleoptera: Apionidae). <i>Journal of Economic Entomology</i> , 2015, 108, 492-503.	1.8	6
59	Domestication influences choice behavior and performance of a generalist herbivore. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2016, 23, 63-72.	2.7	6
60	Pheromone of the elm bark beetle <i>Scolytus laevis</i> (Coleoptera: Scolytidae): stereoisomers of 4-methyl-3-heptanol reduce interspecific competition. <i>Chemoecology</i> , 2010, 20, 179-187.	1.1	5
61	Characterization of olfactory sensory neurons in the red clover seed weevil, <i>Protapion trifolii</i> (Coleoptera: Brentidae) and comparison to the closely related species <i>P. fulvipes</i> . <i>Journal of Insect Physiology</i> , 2019, 119, 103948.	2.0	5
62	Do plant ploidy and pollinator tongue length interact to cause low seed yield in red clover?. <i>Ecosphere</i> , 2021, 12, e03416.	2.2	4
63	Impact on Wastewater Quality of Biopellets Composed of <i>Chlorella vulgaris</i> and <i>Aspergillus niger</i> and Lipid Content in the Harvested Biomass. <i>Journal of Water Resource and Protection</i> , 2019, 11, 831-843.	0.8	4
64	Fear effects on bank voles (<i>Rodentia: Arvicolinae</i>): testing for repellent candidates from predator volatiles. <i>Pest Management Science</i> , 2022, 78, 1677-1685.	3.4	4
65	Towards streamlined bank vole odor preference evaluation using Y-mazes. <i>Mammal Research</i> , 2020, 65, 1-9.	1.3	2