

Erhard Strohm

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,078
citations

279798

23
h-index

254184

43
g-index

47
all docs

47
docs citations

47
times ranked

1728
citing authors

#	ARTICLE	IF	CITATIONS
1	Symbiotic Bacteria Protect Wasp Larvae from Fungal Infestation. <i>Current Biology</i> , 2005, 15, 475-479.	3.9	408
2	Symbiotic streptomycetes provide antibiotic combination prophylaxis for wasp offspring. <i>Nature Chemical Biology</i> , 2010, 6, 261-263.	8.0	323
3	â€Candidatus <i>Streptomyces philanthi</i> â€™™, an endosymbiotic streptomycete in the antennae of <i>Philanthus digger</i> wasps. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1403-1411.	1.7	124
4	Factors affecting offspring body size in the solitary bee <i>Osmia bicornis</i> (Hymenoptera, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	2.0	114
5	Partner choice and fidelity stabilize coevolution in a Cretaceous-age defensive symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6359-6364.	7.1	111
6	Refining the Roots of the Beewolf- <i>Streptomyces</i> Symbiosis: Antennal Symbionts in the Rare Genus <i>Philanthinus</i> (Hymenoptera, Crabronidae). <i>Applied and Environmental Microbiology</i> , 2012, 78, 822-827.	3.1	60
7	Effects of constant and fluctuating temperatures on the development of the solitary bee <i>Osmia bicornis</i> (Hymenoptera: Megachilidae). <i>Apidologie</i> , 2011, 42, 711-720.	2.0	58
8	Life cycle and population dynamics of a protective insect symbiont reveal severe bottlenecks during vertical transmission. <i>Evolutionary Ecology</i> , 2010, 24, 463-477.	1.2	56
9	Low resource availability causes extremely male-biased investment ratios in the European beewolf, <i>Philanthus triangulum</i> F. (Hymenoptera, Sphecidae). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 423-429.	2.6	54
10	Fighting fungi with physics: Food wrapping by a solitary wasp prevents water condensation. <i>Current Biology</i> , 2007, 17, R46-R47.	3.9	52
11	Females of the European beewolf preserve their honeybee prey against competing fungi. <i>Ecological Entomology</i> , 2001, 26, 198-203.	2.2	51
12	Factors affecting body size and fat content in a digger wasp. <i>Oecologia</i> , 2000, 123, 184-191.	2.0	47
13	A cuckoo in wolves' clothing? Chemical mimicry in a specialized cuckoo wasp of the European beewolf (Hymenoptera, Chrysididae and Crabronidae). <i>Frontiers in Zoology</i> , 2008, 5, 2.	2.0	44
14	Male size does not affect territorial behaviour and life history traits in a sphecid wasp. <i>Animal Behaviour</i> , 2000, 59, 183-191.	1.9	38
15	Volatiles of foraging honeybees <i>Apis mellifera</i> (Hymenoptera: Apidae) and their potential role as semiochemicals. <i>Apidologie</i> , 2007, 38, 164-170.	2.0	38
16	Symbiotic streptomycetes in antennal glands of the South American digger wasp genus <i>Trachypus</i> (Hymenoptera, Crabronidae). <i>Physiological Entomology</i> , 2010, 35, 196-200.	1.5	37
17	Allocation of parental investment among individual offspring in the European beewolf <i>Philanthus triangulum</i> F. (Hymenoptera: Sphecidae). <i>Biological Journal of the Linnean Society</i> , 2000, 69, 173-192.	1.6	35
18	Prey recognition by females of the European beewolf and its potential for a sensory trap. <i>Animal Behaviour</i> , 2005, 70, 1411-1418.	1.9	33

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19	Brothers smell similar: variation in the sex pheromone of male European Beewolves <i>Philanthus triangulum</i> F. (Hymenoptera: Crabronidae) and its implications for inbreeding avoidance. <i>Biological Journal of the Linnean Society</i> , 2006, 89, 433-442.	1.6	30
20	Food Wrapping with the Postpharyngeal Gland Secretion by Females of the European beewolf <i>Philanthus triangulum</i> . <i>Journal of Chemical Ecology</i> , 2007, 33, 849-859.	1.8	29
21	Striking cuticular hydrocarbon dimorphism in the mason wasp <i>Odynerus spinipes</i> and its possible evolutionary cause (Hymenoptera: Chrysididae, Vespidae). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151777.	2.6	27
22	The Chemistry of the Postpharyngeal Gland of Female European Beewolves. <i>Journal of Chemical Ecology</i> , 2008, 34, 575-583.	1.8	25
23	The cost of parental care: prey hunting in a digger wasp. <i>Behavioral Ecology</i> , 2002, 13, 52-58.	2.2	24
24	Low level of cuticular hydrocarbons in a parasitoid of a solitary digger wasp and its potential for concealment. <i>Entomological Science</i> , 2009, 12, 9-16.	0.6	24
25	A Selfish Function of a "Social" Gland? A Postpharyngeal Gland Functions as a Sex Pheromone Reservoir in Males of the Solitary Wasp <i>Philanthus triangulum</i> . <i>Journal of Chemical Ecology</i> , 2006, 32, 2763-2776.	1.8	22
26	(S)-2,3-dihydrofarnesoic acid, a new component in cephalic glands of male European beewolves <i>Philanthus triangulum</i> . <i>Journal of Chemical Ecology</i> , 2003, 29, 2469-2479.	1.8	19
27	Males of a solitary wasp possess a postpharyngeal gland. <i>Arthropod Structure and Development</i> , 2007, 36, 123-133.	1.4	19
28	Nitric oxide radicals are emitted by wasp eggs to kill mold fungi. <i>ELife</i> , 2019, 8, .	6.0	19
29	A "social" gland in a solitary wasp? The postpharyngeal gland of female European beewolves (Hymenoptera, Crabronidae). <i>Arthropod Structure and Development</i> , 2007, 36, 113-122.	1.4	18
30	Cryptic combat against competing microbes is a costly component of parental care in a digger wasp. <i>Animal Behaviour</i> , 2011, 82, 321-328.	1.9	15
31	Structure, chemical composition and putative function of the postpharyngeal gland of the emerald cockroach wasp, <i>Ampulex compressa</i> (Hymenoptera, Ampulicidae). <i>Zoology</i> , 2011, 114, 36-45.	1.2	15
32	Ultrastructure meets reproductive success: performance of a sphecid wasp is correlated with the fine structure of the flight muscle mitochondria. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 749-754.	2.6	14
33	Incipient genome erosion and metabolic streamlining for antibiotic production in a defensive symbiont. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
34	Morphology, Chemistry and Function of the Postpharyngeal Gland in the South American Digger Wasps <i>Trachypus boharti</i> and <i>Trachypus elongatus</i> . <i>PLoS ONE</i> , 2013, 8, e82780.	2.5	11
35	Food wrapping by females of the European Beewolf, <i>Philanthus triangulum</i> , retards water loss of larval provisions. <i>Physiological Entomology</i> , 2008, 33, 101-109.	1.5	10
36	Hydrocarbons in the antennal gland secretion of female European beewolves, <i>Philanthus triangulum</i> (Hymenoptera, Crabronidae). <i>Chemoecology</i> , 2009, 19, 219-225.	1.1	10

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37	Male territoriality and mating system in the European beewolf <i>Philanthus triangulum</i> F. (Hymenoptera: Crabronidae): evidence for a "hotspot" lek polygyny. <i>Journal of Ethology</i> , 2010, 28, 295-304.	0.8	10
38	Mandibular glands of male European beewolves, <i>Philanthus triangulum</i> (Hymenoptera, Crabronidae). <i>Arthropod Structure and Development</i> , 2008, 37, 363-371.	1.4	7
39	Comparative morphology of the postpharyngeal gland in the Philanthinae (Hymenoptera, Crabronidae) and the evolution of an antimicrobial brood protection mechanism. <i>BMC Evolutionary Biology</i> , 2015, 15, 291.	3.2	7
40	Sexual selection and the evolution of male pheromone glands in philanthine wasps (Hymenoptera, Crabronidae). <i>Evolution</i> , 2010, 64, 1075-1085.	3.2	10
41	Mycobiota in the brood cells of the European beewolf, <i>Philanthus triangulum</i> (Hymenoptera: Crabronidae). <i>Journal of Insect Science and Technology</i> , 2014, 12, 1-6.	1.2	6
42	How can cleptoparasitic drosophilid flies emerge from the closed brood cells of the red Mason bee?. <i>Physiological Entomology</i> , 2011, 36, 77-83.	1.5	5
43	Biogeography of a defensive symbiosis. <i>Communicative and Integrative Biology</i> , 2014, 7, e993265.	1.4	5
44	Comparative Morphology of the Symbiont Cultivation Glands in the Antennae of Female Digger Wasps of the Genus <i>Philanthus</i> (Hymenoptera: Crabronidae). <i>Frontiers in Physiology</i> , 2022, 13, 815494.	2.8	4
45	The evolution of simultaneous progressive provisioning revisited: extending the model to overlapping generations. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	1.4	1