

Erhard Strohm

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6654236/publications.pdf>

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	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
2	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
3	Nitric oxide radicals are emitted by wasp eggs to kill mold fungi. <i>ELife</i> , 2019, 8, .	6.0	19
4	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
5	Sexual selection and the evolution of male pheromone glands in philanthine wasps (Hymenoptera, Tj ETQq1 1 0.784314 rgBJ /Overlock 10 Tf 50 142	3.2	7
6	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
7	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
8	Biogeography of a defensive symbiosis. <i>Communicative and Integrative Biology</i> , 2014, 7, e993265.	1.4	5
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	Factors affecting offspring body size in the solitary bee <i>Osmia bicornis</i> (Hymenoptera, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	2.0	114
17	Male territoriality and mating system in the European beewolf <i>Philanthus triangulum</i> F. (Hymenoptera: Crabronidae): evidence for a "hotspot" polygyny. <i>Journal of Ethology</i> , 2010, 28, 295-304.	0.8	10
18	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

#	ARTICLE	IF	CITATIONS
19	Symbiotic streptomycetes provide antibiotic combination prophylaxis for wasp offspring. <i>Nature Chemical Biology</i> , 2010, 6, 261-263.	8.0	323
20	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
21	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
22	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
23	The Chemistry of the Postpharyngeal Gland of Female European Beewolves. <i>Journal of Chemical Ecology</i> , 2008, 34, 575-583.	1.8	25
24	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
25	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
26	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
27	Fighting fungi with physics: Food wrapping by a solitary wasp prevents water condensation. <i>Current Biology</i> , 2007, 17, R46-R47.	3.9	52
28	Males of a solitary wasp possess a postpharyngeal gland. <i>Arthropod Structure and Development</i> , 2007, 36, 123-133.	1.4	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	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
31	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
32	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
33	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
34	"Candidate" <i>Streptomyces philanthii</i> , an endosymbiotic streptomycete in the antennae of <i>Philanthus</i> digger wasps. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1403-1411.	1.7	124
35	Symbiotic Bacteria Protect Wasp Larvae from Fungal Infestation. <i>Current Biology</i> , 2005, 15, 475-479.	3.9	408
36	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

#	ARTICLE	IF	CITATIONS
37	(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
38	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
39	The cost of parental care: prey hunting in a digger wasp. <i>Behavioral Ecology</i> , 2002, 13, 52-58.	2.2	24
40	Females of the European beewolf preserve their honeybee prey against competing fungi. <i>Ecological Entomology</i> , 2001, 26, 198-203.	2.2	51
41	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
42	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
43	Factors affecting body size and fat content in a digger wasp. <i>Oecologia</i> , 2000, 123, 184-191.	2.0	47
44	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
45	Mycobiota in the brood cells of the European beewolf, <i>Philanthus triangulum</i> (Hymenoptera:) Tj ETQq1 1 0.784314, rgBT /Overlock 10	1.5	6