

Michal Hoskovec

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3896142/publications.pdf>

Version: 2024-02-01

41
papers

863
citations

471509

17
h-index

501196

28
g-index

42
all docs

42
docs citations

42
times ranked

822
citing authors

#	ARTICLE	IF	CITATIONS
1	Irresistible bouquet of death—how are burying beetles (Coleoptera: Silphidae: Nicrophorus) attracted by carcasses. <i>Die Naturwissenschaften</i> , 2009, 96, 889-899.	1.6	122
2	Determining the vapour pressures of plant volatiles from gas chromatographic retention data. <i>Journal of Chromatography A</i> , 2005, 1083, 161-172.	3.7	73
3	Detection of Sex Pheromone Components in <i>Manduca sexta</i> (L.). <i>Chemical Senses</i> , 2001, 26, 1175-1186.	2.0	52
4	Identification of a new lepidopteran sex pheromone in picogram quantities using an antennal biotector: (8E,10Z)-tetradeca-8,10-dienal from <i>Cameraria ohridella</i> . <i>Tetrahedron Letters</i> , 1999, 40, 7011-7014.	1.4	42
5	Cuticular Hydrocarbons of the South American Fruit Fly <i>Anastrepha fraterculus</i> : Variability with Sex and Age. <i>Journal of Chemical Ecology</i> , 2012, 38, 1133-1142.	1.8	40
6	Resolution of three cryptic agricultural pests (<i>Ceratitis fasciventris</i> , <i>C. anonae</i> , <i>C. rosa</i>) by pheromone-baited traps. <i>Journal of Applied Entomology</i> , 2014, 104, 631-638.	1.0	39
7	Pheromone Analyses of the <i>Anastrepha fraterculus</i> (Diptera: Tephritidae) Cryptic Species Complex. <i>Florida Entomologist</i> , 2013, 96, 1107-1115.	0.5	37
8	Are the Wild and Laboratory Insect Populations Different in Semiochemical Emission? The Case of the Medfly Sex Pheromone. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 7168-7176.	5.2	33
9	Use of infochemicals to attract carrion beetles into pitfall traps. <i>Entomologia Experimentalis Et Applicata</i> , 2009, 132, 59-64.	1.4	32
10	Analysis of the Silkworm Moth Pheromone Binding Protein—Pheromone Complex by Electrospray-Ionization Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4341-4343.	13.8	28
11	Indirect Determination of Vapor Pressures by Capillary Gas-Liquid Chromatography: Analysis of the Reference Vapor-Pressure Data and Their Treatment. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 1349-1368.	1.9	27
12	GC-MS/MS technique—A new tool in identification of insect pheromones: Analysis of the persimmon bark borer sex pheromone gland. <i>Talanta</i> , 2006, 69, 542-547.	5.5	25
13	Volatiles from spruce trap-trees detected by <i>Ips typographus</i> bark beetles: chemical and electrophysiological analyses. <i>Arthropod-Plant Interactions</i> , 2014, 8, 305-316.	1.1	25
14	Biotransformations of β -methyl- α -ketosulfones: stereoselectivity of 3-methyl-1-(phenylsulfonyl)hexan-2-one reductions by various yeasts. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 1285-1294.	1.8	24
15	Sex pheromone of horse-chestnut leafminer <i>Camneraria ohridella</i> and its use in a pheromone-based monitoring system. <i>Journal of Chemical Ecology</i> , 2003, 29, 387-404.	1.8	22
16	Cholesteryl esters of (O-acyl)-hydroxy fatty acids in vernix caseosa. <i>Journal of Lipid Research</i> , 2017, 58, 1579-1590.	4.2	22
17	Novel, male-produced aggregation pheromone of the cerambycid beetle <i>Rosalia alpina</i> , a priority species of European conservation concern. <i>PLoS ONE</i> , 2017, 12, e0183279.	2.5	19
18	Efficient syntheses of (10E,12Z,15Z)-9-oxo- and (9Z,11E,15E)-13-oxo-octadecatrienoic acids; two stress metabolites of wounded plants. <i>Tetrahedron</i> , 2002, 58, 3271-3274.	1.9	17

#	ARTICLE	IF	CITATIONS
19	A convenient synthesis of 2,13- and 3,13-octadecadienyl acetates, sex pheromone components of the <i>Synanthedon</i> species. <i>Collection of Czechoslovak Chemical Communications</i> , 1990, 55, 2270-2281.	1.0	14
20	Gas chromatographic determination of vapour pressures of pheromone-like compounds IV. Acetates, a reinvestigation. <i>Journal of Chromatography A</i> , 1997, 759, 93-109.	3.7	14
21	Biosynthesis of sex pheromones in moths: stereochemistry of fatty alcohol oxidation in <i>Manduca sexta</i> . <i>Tetrahedron</i> , 2002, 58, 9193-9201.	1.9	14
22	New mimics of the acetate function in pheromone-based attraction. <i>Bioorganic and Medicinal Chemistry</i> , 1996, 4, 479-488.	3.0	12
23	Chemical communication in termites: syn-4,6-dimethylundecan-1-ol as trail-following pheromone, syn-4,6-dimethylundecanal and (5E)-2,6,10-trimethylundeca-5,9-dienal as the respective male and female sex pheromones in <i>Hodotermopsis sjoestedti</i> (Isoptera, Archotermopsidae). <i>Journal of Insect Physiology</i> , 2011, 57, 1585-1591.	2.0	12
24	Analyses of volatiles produced by the African fruit fly species complex (Diptera, Tephritidae). <i>ZooKeys</i> , 2015, 540, 385-404.	1.1	12
25	Gas chromatographic determination of vapour pressures of pheromone-like acetates. <i>Journal of Chromatography A</i> , 1992, 626, 215-221.	3.7	11
26	Gas chromatographic determination of vapour pressures of pheromone-like compounds II. Alcohols. <i>Journal of Chromatography A</i> , 1994, 679, 307-317.	3.7	11
27	Synthesis of (8E,10Z)-Tetradeca-8,10-dienal, Sex Pheromone of Horse Chestnut Leafminer (<i>Cameraria</i>) Tj ETQq1 1 0.784314 rgBT /Over 2000, 65, 511-523.	1.0	11
28	Structure-activity correlations among analogs of the currant clearwing moth pheromone. <i>Journal of Chemical Ecology</i> , 1993, 19, 735-750.	1.8	10
29	Gas chromatographic determination of vapour pressures of pheromone-like compounds III. Aldehydes. <i>Journal of Chromatography A</i> , 1996, 719, 391-400.	3.7	10
30	Analysis of 1,2-diol diesters in vernix caseosa by high-performance liquid chromatography and atmospheric pressure chemical ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1378, 8-18.	3.7	10
31	Initial water content and lipase-mediated ester formation in hexane. <i>Biotechnology Letters</i> , 1997, 19, 745-750.	2.2	8
32	(11Z)-hexadec-11-enal enhances the attractiveness of <i>Diatraea saccharalis</i> main pheromone component in wind tunnel experiments. <i>Journal of Applied Entomology</i> , 2005, 129, 70-74.	1.8	8
33	Additivity of vaporization properties in pheromone-like homologous series. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 1351-1356.	0.9	7
34	1,1-Disubstituted Allyl Sulfones: An approach to the synthesis of vinyl-branched pheromone analogues. <i>Helvetica Chimica Acta</i> , 1994, 77, 1281-1287.	1.6	5
35	Estimation of Critical Properties from the Number of Carbon Atoms in Homologous Series. <i>Collection of Czechoslovak Chemical Communications</i> , 1994, 59, 1483-1494.	1.0	5
36	Synthesis of (Z)-14-Heptadecen-4-olide and (Z)-11-Pentadecen-4-olide, Sex Pheromone Analogues of <i>Ostrinia nubilalis</i> and <i>Cydia molesta</i> . <i>Collection of Czechoslovak Chemical Communications</i> , 1994, 59, 1211-1218.	1.0	2

#	ARTICLE	IF	CITATIONS
37	New Potential Inhibitors of Pheromonal Attraction in the Oriental Fruit Moth, <i>Cydia molesta</i> . Collection of Czechoslovak Chemical Communications, 1998, 63, 1031-1044.	1.0	2
38	Identification of two components of the female sex pheromone of the sugarcane borer <i>Diatraea flavipennella</i> (Lepidoptera: Crambidae). Journal of Applied Entomology, 2012, 136, 203-211.	1.8	2
39	A simple method for estimating vaporization properties of pheromone-like acetates from their molecular structures. Collection of Czechoslovak Chemical Communications, 1991, 56, 727-735.	1.0	2
40	Mannich and Grignard reaction of some N-(2-propynyl)azaheterocycles. Collection of Czechoslovak Chemical Communications, 1989, 54, 1067-1081.	1.0	1
41	Chiral and Nonchiral GC-MS Analysis of Natural Compounds: The Case of Possible Aggregation Pheromones of Chinese Bark Beetles <i>Ips shangrila</i> and <i>Ips nitidus</i> . , 2012, , .		1