

# Jan Bergmann

## List of Publications by Year in descending order

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44  
papers

403  
citations

840776

11  
h-index

888059

17  
g-index

45  
all docs

45  
docs citations

45  
times ranked

424  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of enzymatic digestion of Antarctic krill and successive extraction of selenium organic compounds by ultrasound treatment. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 244-249.	3.7	31
2	Chrysanthemyl 2-acetoxy-3-methylbutanoate: the sex pheromone of the citrophilous mealybug, <i>Pseudococcus calceolariae</i> . <i>Tetrahedron Letters</i> , 2010, 51, 1075-1078.	1.4	29
3	The Absolute Configuration of the Sex Pheromone of the Citrophilous Mealybug, <i>Pseudococcus calceolariae</i> . <i>Journal of Chemical Ecology</i> , 2011, 37, 166-172.	1.8	24
4	Identification and Assignment of the Absolute Configuration of Biologically Active Methyl-Branched Ketones from Limnephilid Caddis Flies. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 3175.	2.4	23
5	Determination of the absolute configuration of selenomethionine from antarctic krill by RP-HPLC/ICP-MS using chiral derivatization agents. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1624-1629.	3.7	23
6	Identification of a Sex Pheromone Produced by Sternal Glands in Females of the Caddisfly <i>Molanna angustata</i> Curtis. <i>Journal of Chemical Ecology</i> , 2008, 34, 220-8.	1.8	23
7	Identification of a Novel Moth Sex Pheromone Component from <i>Chilecomadia valdiviana</i> . <i>Journal of Chemical Ecology</i> , 2016, 42, 908-918.	1.8	16
8	Leaf Thermal and Chemical Properties as Natural Drivers of Plant Flammability of Native and Exotic Tree Species of the Valparaíso Region, Chile. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7191.	2.6	16
9	Female Sex Pheromone of <i>Cameraria ohridella</i> Desch. and Dim. (Lepidoptera: Gracillariidae): Structure Confirmation, Synthesis and Biological Activity of (8E,10Z)-8,10-tetradecadienal and Some Analogues. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2002, 57, 739-752.	1.4	14
10	Evidence that Cerambycid Beetles Mimic Vespid Wasps in Odor as well as Appearance. <i>Journal of Chemical Ecology</i> , 2017, 43, 75-83.	1.8	14
11	Distribution of elements binding to molecules with different molecular weights in aqueous extract of Antarctic krill by size-exclusion chromatography coupled with inductively coupled plasma mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 814, 83-91.	2.3	13
12	Identification and synthesis of new bicyclic acetals from caddisflies (Trichoptera). <i>Tetrahedron Letters</i> , 2004, 45, 3669-3672.	1.4	11
13	Aggregation Pheromones of Weevils (Coleoptera: Curculionidae): Advances in the Identification and Potential Uses in Semiochemical-Based Pest Management Strategies. <i>Journal of Chemical Ecology</i> , 2021, 47, 968-986.	1.8	10
14	Insect pheromone research in South America. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1206-1219.	0.6	9
15	Synthesis of Pheromones: Highlights from 2002-2004. <i>Current Organic Chemistry</i> , 2009, 13, 299-338.	1.6	9
16	Response of workers of <i>Atta sexdens rubropilosa</i> (Hymenoptera: Formicidae) to mandibular gland compounds of virgin males and females. <i>Physiological Entomology</i> , 2007, 32, 283-286.	1.5	8
17	Influence of different plants substrates on development and reproduction for laboratory rearing of <i>Pseudococcus calceolariae</i> (Maskell) (Hemiptera: Pseudococcidae). <i>Ciencia E Investigacion Agraria</i> , 2010, 37, 31-37.	0.2	8
18	Monitoring <i>Pseudococcus calceolariae</i> (Hemiptera: Pseudococcidae) in Fruit Crops Using Pheromone-Baited Traps. <i>Journal of Economic Entomology</i> , 2015, 108, 2397-2406.	1.8	8

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19	Drivers of Flammability of <i>Eucalyptus globulus</i> Labill Leaves: Terpenes, Essential Oils, and Moisture Content. <i>Forests</i> , 2022, 13, 908.	2.1	8
20	Contents of the exocrine glands of the ant subfamily Cerapachyinae. <i>Biochemical Systematics and Ecology</i> , 2008, 36, 260-265.	1.3	7
21	Synthesis of Pheromones: Highlights from 2005-2007. <i>Current Organic Chemistry</i> , 2009, 13, 683-719.	1.6	7
22	Distribution and ultrastructure of the antennal sensilla of the grape weevil <i>Naupactus xanthographus</i> (Coleoptera: Curculionidae). <i>Microscopy Research and Technique</i> , 2018, 81, 590-598.	2.2	7
23	Phenolic Fingerprinting, Antioxidant, and Deterrent Potentials of <i>Persicaria maculosa</i> Extracts. <i>Molecules</i> , 2020, 25, 3054.	3.8	7
24	Attraction to Host Plant Volatiles and Feeding Performance of <i>Naupactus Xanthographus</i> (Coleoptera: Curculionidae) is Affected by Starvation. <i>Journal of Insect Behavior</i> , 2016, 29, 48-56.	0.7	6
25	Linoleic acid and stearic acid are biosynthetic precursors of (7Z,10Z)-7,10-hexadecadienal, the major component of the sex pheromone of <i>Chilecomadia valdiviana</i> (Lepidoptera: Cossidae). <i>PLoS ONE</i> , 2019, 14, e0215769.	2.5	6
26	Tergal Gland Secretion of the Rove Beetle <i>Aleochara pseudochrysorrhoea</i> (Staphylinidae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 e2000483.	2.1	6
27	Mating Disruption of <i>Pseudococcus calceolariae</i> (Maskell) (Hemiptera, Pseudococcidae) in Fruit Crops. <i>Insects</i> , 2021, 12, 343.	2.2	6
28	Biological Activity of the Larval Secretion of <i>Chilecomadia valdiviana</i> . <i>Journal of Chemical Ecology</i> , 2011, 37, 1137-1142.	1.8	5
29	A 4-component sex pheromone of the Chilean fruit leaf roller <i>Proeulia auraria</i> (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 46 e2000483.	2.2	5
30	Searching Behavior of <i>Cryptolaemus montrouzieri</i> (Coleoptera: Coccinellidae) in Response to Mealybug Sex Pheromones. <i>Journal of Economic Entomology</i> , 2018, 111, 1996-1999.	1.8	4
31	3,7-Dimethylpentadecane: a Novel Sex Pheromone Component from <i>Leucoptera sinuella</i> (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 46 e2000483.	1.8	4
32	Monitoring <i>Chilecomadia valdiviana</i> (Lepidoptera: Cossidae) Using Sex Pheromone-Baited Traps in Apple Orchards in Chile. <i>Insects</i> , 2021, 12, 511.	2.2	4
33	Development of Monitoring and Mating Disruption against the Chilean Leafroller <i>Proeulia auraria</i> (Lepidoptera: Tortricidae) in Orchards. <i>Insects</i> , 2021, 12, 625.	2.2	4
34	A larval aggregation pheromone as foraging cue for insectivorous birds. <i>Biology Letters</i> , 2021, 17, 20210360.	2.3	4
35	<i>Cameraria gaultheriella</i> and <i>C. lobatiella</i> attracted in Canada to (E,Z)-8,10-tetradecadienal, the sex pheromone of the European <i>C. ohridella</i> . <i>Canadian Entomologist</i> , 2006, 138, 263-268.	0.8	3
36	Identification and synthesis of some fatty acid derivatives from larvae of <i>Chilecomadia valdiviana</i> (Lepidoptera: Cossidae). <i>Natural Product Research</i> , 2007, 21, 473-480.	1.8	3

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37	Use of Mixture Designs to Investigate Contribution of Minor Sex Pheromone Components to Trap Catch of the Carpenterworm Moth, <i>Chilecomadia valdiviana</i> . <i>Journal of Chemical Ecology</i> , 2017, 43, 1046-1055.	1.8	3
38	Synthesis of citrophilus mealybug sex pheromone using chrysanthemol extracted from <i>Pyrethrum cinerariifolium</i> . <i>Natural Product Research</i> , 2019, 33, 303-308.	1.8	3
39	Differences in volatile emissions between healthy and gall-induced branches of <i>Haplopappus foliosus</i> (Asteraceae). <i>Biochemical Systematics and Ecology</i> , 2021, 98, 104309.	1.3	3
40	EVALUATION OF MONOLITHIC COLUMN FOR INORGANIC MERCURY AND METHYLMERCURY DETERMINATION IN FISH SAMPLE ANALYSIS. <i>Journal of the Chilean Chemical Society</i> , 2018, 63, 4257-4260.	1.2	2
41	Behavioral and physiological response of male <i>Callisphyris apicicornis</i> (Coleoptera: Cerambycidae) to virgin con-specific females; extracts. <i>Chilean Journal of Agricultural Research</i> , 2018, 78, 470-477.	1.1	2
42	Identification of the Female Sex Pheromone of the Leafroller <i>Proeulia triquetra</i> Obraztsov (Lepidoptera: Tortricidae). <i>Neotropical Entomology</i> , 2016, 45, 351-356.	1.2	1
43	SYNTHESIS AND FIELD TEST OF A PHEROMONE ANALOG OF <i>CHILECOMADIA VALDIVIANA</i> . <i>Journal of the Chilean Chemical Society</i> , 2018, 63, 4019-4022.	1.2	1
44	Letter to the Editor: Official Platform for ALAEQ. <i>Journal of Chemical Ecology</i> , 2018, 44, 102-102.	1.8	0