

Double-bond location in monounsaturated fatty acids by  
infrared spectroscopy and mass spectrometry: Application to analysis of fatty acids in  
lepidoptera

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Citation Report

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Phospholipid Ester-linked Fatty Acid Biomarkers of Acetate-oxidizing Sulphate-reducers and Other Sulphide-forming Bacteria. <i>Microbiology (United Kingdom)</i> , 1986, 132, 1815-1825.  | 0.7 | 91        |
| 2  | Sexual behaviour and pheromone titre in the tomato looper, <i>Plusia chalcites</i> (Esp.) (Lepidoptera: Tj ETQq1 1 0.784314 rgBT / Overlock 29  | 0.9 | 29        |
| 3  | Determination of monosaturated fatty acid double-bond position and geometry for microbial monocultures and complex consortia by capillary GC-MS of their dimethyl disulphide adducts. <i>Journal of Microbiological Methods</i> , 1986, 5, 49-55.               | 0.7 | 388       |
| 4  | Methyl sterol and cyclopropane fatty acid composition of <i>Methylococcus capsulatus</i> grown at low oxygen tensions. <i>Journal of Bacteriology</i> , 1986, 167, 238-242.   | 1.0 | 54        |
| 5  | Mass spectrometric localization of carbon-carbon double bonds: A critical review of recent methods. <i>Chemistry and Physics of Lipids</i> , 1986, 39, 285-311.   | 1.5 | 60        |
| 6  | Lipids of the antarctic sea ice diatom <i>Nitzschia cylindrus</i> . <i>Phytochemistry</i> , 1986, 25, 1649-1653.  | 1.4 | 82        |
| 7  | Spruce budworm ( <i>Choristoneura fumiferana</i> ) pheromone chemistry and behavioral responses to pheromone components and analogs. <i>Journal of Chemical Ecology</i> , 1986, 12, 367-383.  | 0.9 | 16        |
| 8  | Fatty acid composition and microbial activity of benthic marine sediment from McMurdo Sound, Antarctica. <i>FEMS Microbiology Letters</i> , 1986, 38, 219-231.  | 0.7 | 45        |
| 9  | Determination of double-bond position in diunsaturated compounds by mass spectrometry of dimethyl disulfide derivatives. <i>Analytical Chemistry</i> , 1987, 59, 694-699.   | 3.2 | 193       |
| 10 | Measurement of methanotroph and methanogen signature phospholipids for use in assessment of biomass and community structure in model systems. <i>Organic Geochemistry</i> , 1987, 11, 451-461.  | 0.9 | 61        |
| 11 | Biogenetic pattern of straight chain marking compounds in male bumble bees. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1987, 88, 631-636.  | 0.2 | 13        |
| 12 | Stability of hydrocarbon samples on solid-phase extraction columns. <i>Analytical Chemistry</i> , 1987, 59, 699-703.  | 3.2 | 55        |
| 13 | The phylogenetic position of the budding bacteria <i>Blastobacter aggregatus</i> and <i>Gemmobacter aquatilis</i> gen., nov. sp. nov.. <i>Archives of Microbiology</i> , 1987, 147, 92-99.  | 1.0 | 59        |
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| 15 | Reinvestigation confirms action of $\Delta 11$ -desaturases in spruce budworm moth sex pheromone biosynthesis. <i>Journal of Chemical Ecology</i> , 1987, 13, 1019-1027.  | 0.9 | 37        |
| 16 | Detection of a microbial consortium, including type II methanotrophs, by use of phospholipid fatty acids in an aerobic halogenated hydrocarbon-degrading soil column enriched with natural gas. <i>Environmental Toxicology and Chemistry</i> , 1987, 6, 89-97. | 2.2 | 65        |
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| 18 | LIPIDS AND CHEMOTAXONOMY OF <i>PROCHLOROTRIX HOLLANDICA</i> , A PLANKTONIC PROKARYOTE CONTAINING CHLOROPHYLLS a AND b. <i>Journal of Phycology</i> , 1988, 24, 554-559.   | 1.0 | 17        |

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| 20 | Derivatization in mass spectrometry: Strategies for controlling fragmentation. <i>Mass Spectrometry Reviews</i> , 1988, 7, 395-424.  | 2.8 | 51        |
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| 22 | Mass spectrometric indication of double bond position in dodecenals without any chemical derivatization. <i>Biological Mass Spectrometry</i> , 1988, 17, 301-306.  | 0.5 | 9         |
| 23 | Precise characterization of cuticular compounds in young <i>Drosophila</i> by mass spectrometry. <i>Journal of Chemical Ecology</i> , 1988, 14, 1071-1085.   | 0.9 | 61        |
| 24 | The budding bacteria, <i>Pirellula</i> and <i>Planctomyces</i> , with atypical 16S rRNA and absence of peptidoglycan, show eubacterial phospholipids and uniquely high proportions of long chain beta-hydroxy fatty acids in the lipopolysaccharide lipid A. <i>Archives of Microbiology</i> , 1988, 149, 255-260. | 1.0 | 55        |
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| 28 | Sex pheromone precursors in the processionary moth <i>Thaumetopoea pityocampa</i> (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 16  | 1.8 | 16        |
| 29 | Taxonomy of <i>Heterotermes</i> (Isoptera: Rhinotermitidae) in south-eastern Australia: cuticular hydrocarbons of workers, and soldier and alate morphology. <i>Systematic Entomology</i> , 1989, 14, 299-325.   | 1.7 | 23        |
| 30 | Female sex pheromone components of <i>Heliothis peltigera</i> (Lepidoptera: Noctuidae). <i>Journal of Chemical Ecology</i> , 1989, 15, 2233-2245.  | 0.9 | 43        |
| 31 | Influence of diel rhythm and brain hormone on pheromone production in two lepidopteran species. <i>Journal of Chemical Ecology</i> , 1989, 15, 447-455.  | 0.9 | 68        |
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| 38 | Fatty acid and lipid composition of 10 species of microalgae used in mariculture. <i>Journal of Experimental Marine Biology and Ecology</i> , 1989, 128, 219-240.   | 0.7 | 900       |
| 39 | Utilization of spectrometric information in linked gas chromatography-Fourier transform infrared spectroscopy-mass spectrometry. <i>Analytical Chemistry</i> , 1989, 61, 1571-1577.   | 3.2 | 17        |
| 40 | High incorporation of essential fatty acids by the Rotifer <i>Brachionus plicatilis</i> fed on the Prymnesiophyte <i>Alga Pavlova lutheri</i> . <i>Marine and Freshwater Research</i> , 1989, 40, 645.  | 0.7 | 27        |
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