

Lipids of Recent sediments, Part I: Straight-chain hydrocarbons from
some temperate lacustrine and sub-tropical lagoonal/tidal sediments

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Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Diagenesis of oleic acid in an estuarine sediment. <i>Chemical Geology</i> , 1976, 17, 319-324. | 3.3 | 26 |
| 2 | Lipids of Recent sediments, Part II. Branched and cyclic alkanes and alkanolic acids of some temperate lacustrine and sub-tropical lagoonal/tidal-flat sediments. <i>Chemical Geology</i> , 1977, 20, 189-204. | 3.3 | 51 |
| 3 | Early diagenesis of fatty acids in lacustrine sediments—II. A statistical approach to changes in fatty acid composition from recent sediments and some source materials. <i>Geochimica Et Cosmochimica Acta</i> , 1977, 41, 1825-1834. | 3.9 | 68 |
| 4 | Environmental applications of mass spectrometry. <i>Biomedical Mass Spectrometry</i> , 1978, 5, 259-286. | 1.9 | 15 |
| 5 | Organic geochemistry of Walvis Bay diatomaceous ooze—III. Structural analysis of the monoenoic and polycyclic fatty acids. <i>Geochimica Et Cosmochimica Acta</i> , 1978, 42, 631-644. | 3.9 | 56 |
| 6 | Extractable and bound lipid components in a freshwater sediment. <i>Geochimica Et Cosmochimica Acta</i> , 1978, 42, 1523-1532. | 3.9 | 133 |
| 7 | Stereochemical relationships between phytol and phytanic acid, dihydrophytol and C18 ketone in Recent sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1978, 42, 1175-1180. | 3.9 | 69 |
| 8 | The fractionation of a Recent sediment for organic geochemical analysis. <i>Geochimica Et Cosmochimica Acta</i> , 1978, 42, 199-207. | 3.9 | 111 |
| 9 | Early diagenesis of fatty acids in lacustrine sediments—III. Changes in fatty acid composition in the sediments from a brackish water lake. <i>Geochimica Et Cosmochimica Acta</i> , 1978, 42, 1027-1034. | 3.9 | 45 |
| 10 | A biogeochemical study of the Abu Dhabi algal mats: A simplified ecosystem. <i>Chemical Geology</i> , 1978, 23, 273-291. | 3.3 | 43 |
| 11 | Organic Compounds in Lake Sediments. , 1978, , 127-152. | | 31 |
| 12 | Natural Background of Alkanes in the Aquatic Environment. , 1978, , 69-86. | | 80 |
| 13 | The Relation between Organic Geochemical and Petrological Parameters of Coal in Indian Coal Basins. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 1979, 4, 313-328. | 0.5 | 8 |
| 14 | Decomposition of aquatic biota and sediment formation: bound lipids in algal detritus and lake sediments. <i>Freshwater Biology</i> , 1979, 9, 305-313. | 2.4 | 17 |
| 15 | Fatty acids and hydrocarbons in surficial sediments of Lake Huron. <i>Organic Geochemistry</i> , 1979, 1, 127-138. | 1.8 | 39 |
| 16 | Determination of serum dopamine-beta-hydroxylase activity by reverse-phase liquid chromatography with column switching. <i>Analytical Chemistry</i> , 1979, 51, 1960-1965. | 6.5 | 48 |
| 17 | Determination of free and bound fatty acids in river water by high performance liquid chromatography. <i>Analytical Chemistry</i> , 1979, 51, 1953-1960. | 6.5 | 27 |
| 18 | Fatty acids of bacterial origin in contemporary marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1979, 43, 1715-1725. | 3.9 | 419 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Environmental Chemistry - An Interdisciplinary Subject. Natural and Pollutant Organic Compounds in Contemporary Aquatic Environments. , 1980, , 1-22. | | 26 |
| 20 | Microbial lipids of an intertidal sedimentâ€™. Fatty acids and hydrocarbons. Geochimica Et Cosmochimica Acta, 1980, 44, 1133-1143. | 3.9 | 495 |
| 21 | Hydrocarbons and fatty acids in two cores of Lake Huron sediments. Geochimica Et Cosmochimica Acta, 1980, 44, 1215-1221. | 3.9 | 54 |
| 22 | Aliphatic and olefinic hydrocarbons in recent sediments of Greifensee, Switzerland. Geochimica Et Cosmochimica Acta, 1980, 44, 119-129. | 3.9 | 166 |
| 23 | Dissolved organic carbon and volatile fatty acids in marine sediment pore waters. Geochimica Et Cosmochimica Acta, 1980, 44, 1977-1984. | 3.9 | 69 |
| 24 | The origin and fate of lipids in the Japan Trench. Physics and Chemistry of the Earth, 1980, 12, 375-392. | 0.3 | 33 |
| 25 | Organic geochemistry of a lacustrine sediment (Lake Haruna, Japan). Chemical Geology, 1980, 29, 261-280. | 3.3 | 91 |
| 26 | Branched/cyclic alkanols in lacustrine sediments (Great Britain): Recognition of iso- and anteiso-branching and stereochemical analysis of homologous alkan-2-ols. Chemical Geology, 1980, 30, 15-26. | 3.3 | 31 |
| 27 | Diagenesis of free and bound lipids in terrestrial detritus deposited in a lacustrine sediment. Organic Geochemistry, 1981, 3, 79-89. | 1.8 | 273 |
| 28 | Alkyl and steryl esters in a recent lacustrine sediment. Chemical Geology, 1981, 32, 29-43. | 3.3 | 83 |
| 29 | The stereochemistry of 2- and 3-hydroxy fatty acids in a Recent lacustrine sediment. Geochimica Et Cosmochimica Acta, 1981, 45, 547-552. | 3.9 | 52 |
| 30 | Distribution and Origin of n-Alkanoic Acids, n-Alkanols and n-Alkanes in Environmental Samples. Japanese Journal of Limnology, 1981, 42, 72-81. | 0.1 | 6 |
| 31 | Experimental diagenesis of fatty acids in a sediment: Changes in their existence forms upon heating.. Geochemical Journal, 1981, 15, 1-8. | 1.0 | 24 |
| 32 | Carboxylic Acids and Coal Structure. Advances in Chemistry Series, 1981, , 113-131. | 0.6 | 17 |
| 33 | Environmental changes in Saginaw Bay, Lake Huron recorded by geolipid contents of sediments deposited since 1800. Environmental Geology, 1981, 3, 257-266. | 1.2 | 25 |
| 34 | High abundances of long-chain normal alkanolic acids in Antarctic soil. Nature, 1981, 290, 688-690. | 27.8 | 21 |
| 35 | The effect of maturation on the configurations of acyclic isoprenoid acids in sediments. Geochimica Et Cosmochimica Acta, 1982, 46, 783-792. | 3.9 | 26 |
| 36 | 5Î²-isomers of stanols and stanones as potential markers of sedimentary organic quality and depositional paleoenvironments. Geochimica Et Cosmochimica Acta, 1982, 46, 423-432. | 3.9 | 82 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Qualitative fatty acid and n-alkane stratigraphy of the Lake Turkana Basin, Kenya. <i>Organic Geochemistry</i> , 1982, 4, 37-50. | 1.8 | 8 |
| 38 | Fatty acids in recent sediments in the St. Lawrence estuary. <i>Estuarine, Coastal and Shelf Science</i> , 1982, 15, 473-483. | 2.1 | 8 |
| 39 | Determination of hydrocarbon distributions in oils and sediment extracts by gas chromatography–high resolution mass spectrometry. <i>Organic Geochemistry</i> , 1983, 5, 57-63. | 1.8 | 55 |
| 40 | Laboratory thermal conversion of sedimentary lipids to kerogen-like matter. <i>Organic Geochemistry</i> , 1983, 5, 7-12. | 1.8 | 17 |
| 41 | Hydrocarbon and fatty acid distributions in Rostherne lake sediment (England). <i>Chemical Geology</i> , 1983, 38, 107-128. | 3.3 | 44 |
| 42 | Sample Chemistry for the Oxford High Energy Mass Spectrometer. <i>Radiocarbon</i> , 1983, 25, 771-774. | 1.8 | 23 |
| 43 | Diagenesis of extractable and bound fatty acids in possible source rocks in Japan. <i>Organic Geochemistry</i> , 1984, 6, 125-133. | 1.8 | 7 |
| 44 | Extractable and bound neutral lipids in some lacustrine sediments. <i>Organic Geochemistry</i> , 1984, 6, 223-236. | 1.8 | 79 |
| 45 | Comparison of lipid character of sediments from the Great Lakes and the Northwestern Atlantic. <i>Organic Geochemistry</i> , 1984, 7, 141-150. | 1.8 | 29 |
| 46 | Lipid geochemistry of sediments from Upton Broad, a small productive lake. <i>Organic Geochemistry</i> , 1984, 7, 25-37. | 1.8 | 194 |
| 47 | Extended hopanoids in peat environments. <i>Chemical Geology</i> , 1984, 42, 25-43. | 3.3 | 133 |
| 48 | Turbidity-current deposition of fatty acids in the Bering deep-sea basin (Aleutian basin). <i>Chemical Geology</i> , 1984, 42, 45-59. | 3.3 | 2 |
| 49 | Fatty acid geochemistry of a 200 m sediment core from Lake Biwa, Japan. Early diagenesis and paleoenvironmental information. <i>Geochimica Et Cosmochimica Acta</i> , 1984, 48, 251-266. | 3.9 | 51 |
| 50 | Effect of microbial activity on buried cyanobacterial organic matter. <i>Geomicrobiology Journal</i> , 1984, 3, 231-244. | 2.0 | 6 |
| 51 | Behavior of lipid compounds on laboratory heating of a Recent sediment.. <i>Geochemical Journal</i> , 1985, 19, 113-126. | 1.0 | 13 |
| 52 | Seasonal variability and geochemical significance of organic matter in the River Ganges, Bangladesh. <i>Nature</i> , 1985, 317, 800-802. | 27.8 | 96 |
| 53 | Distribution of lipid-class compounds in bottom sediments of freshwater lakes with different trophic status, in Japan. <i>Chemical Geology</i> , 1985, 51, 123-133. | 3.3 | 30 |
| 54 | Organic geochemical studies of a recent Inner Great Barrier Reef sediment–l. Assessment of input sources. <i>Organic Geochemistry</i> , 1985, 8, 147-156. | 1.8 | 61 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | The identification of organic input sources of sediments from the santa catalina basin using factor analysis. <i>Organic Geochemistry</i> , 1986, 10, 951-958. | 1.8 | 11 |
| 56 | Long-chain carboxylic acids in pyrolysates of Green River kerogen. <i>Organic Geochemistry</i> , 1986, 10, 1059-1065. | 1.8 | 36 |
| 57 | Radiocarbon Dating of Sediments. <i>Radiocarbon</i> , 1986, 28, 441-450. | 1.8 | 47 |
| 58 | Compositional similarities of non-solvent extractable fatty acids from recent marine sediments deposited in differing environments. <i>Geochimica Et Cosmochimica Acta</i> , 1987, 51, 1365-1378. | 3.9 | 15 |
| 59 | Budget of organic and inorganic pollutants in the doÃ±ana national park (Spain). <i>Science of the Total Environment</i> , 1987, 63, 13-28. | 8.0 | 39 |
| 60 | Lipids of aquatic organisms as potential contributors to lacustrine sedimentsâ€™II. <i>Organic Geochemistry</i> , 1987, 11, 513-527. | 1.8 | 694 |
| 61 | Straightchain geolipids of deep-sea sediments: Comparison of two extraction procedures. <i>Organic Geochemistry</i> , 1987, 11, 221-227. | 1.8 | 0 |
| 62 | Comparison of extraction techniques for bound carboxylic acids in Recent sediments. <i>Chemical Geology</i> , 1987, 62, 307-319. | 3.3 | 20 |
| 63 | Sources of the lipids in the bottom sediments of an English oligo-mesotrophic lake. <i>Freshwater Biology</i> , 1987, 17, 15-33. | 2.4 | 18 |
| 64 | Differentiation of some Venezuelan blackwater rivers based upon physico-chemical properties of their humic substances. <i>Biogeochemistry</i> , 1988, 6, 59. | 3.5 | 13 |
| 65 | Free and bound lipids from equatorial surficial sediments separated as a function of particle size. <i>Organic Geochemistry</i> , 1988, 13, 773-783. | 1.8 | 13 |
| 66 | Geochemical significance of lipids and lipid-derived substructures interlaced in kerogen. <i>Organic Geochemistry</i> , 1988, 12, 509-518. | 1.8 | 17 |
| 67 | Carbon isotopes and fatty acids analysis of the sediments of Negro Harbour, Nova Scotia, Canada. <i>Estuarine, Coastal and Shelf Science</i> , 1989, 28, 261-276. | 2.1 | 13 |
| 68 | Messel oil shale (western Germany): Assessment of depositional palaeoenvironment from the content of biological marker compounds. <i>Chemical Geology</i> , 1989, 76, 153-173. | 3.3 | 26 |
| 69 | Downward flux of particulate fatty acids in the Central Arabian Sea. <i>Marine Chemistry</i> , 1990, 29, 183-202. | 2.3 | 56 |
| 70 | Diagenesis of biomarkers in Biwa Lake sediments over 1 million years. <i>Organic Geochemistry</i> , 1990, 16, 805-813. | 1.8 | 49 |
| 71 | Impacts of late Quaternary fluctuations in water level on the accumulation of sedimentary organic matter in Walker Lake, Nevada. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1990, 78, 229-240. | 2.3 | 59 |
| 72 | Multivariate analysis of lipid distributions in Recent salt marsh sediments. <i>Chemical Geology</i> , 1990, 85, 393-402. | 3.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | The biogeochemistry of Ellesmere Lake, U.K.â€™s: source correlation of leaf wax inputs to the sedimentary lipid record. <i>Organic Geochemistry</i> , 1991, 17, 901-912. | 1.8 | 421 |
| 74 | Sewage influence in a macrotidal estuary: Fatty acid and sterol distributions. <i>Estuarine, Coastal and Shelf Science</i> , 1992, 34, 347-363. | 2.1 | 48 |
| 76 | THERMAL MATURITY AND HYDROCARBON GENERATION IN ROCKS FROM THE SEDIMENTARY BASINS OF MADAGASCAR. <i>Journal of Petroleum Geology</i> , 1992, 15, 379-396. | 1.5 | 0 |
| 77 | THERMAL MATURITY AND HYDROCARBON GENERATION IN ROCKS FROM THE SEDIMENTARY BASINS OF MADAGASCAR. <i>Journal of Petroleum Geology</i> , 1992, 15, 379-396. | 1.5 | 8 |
| 78 | Adsorption of organic compounds on carbonate minerals. <i>Chemical Geology</i> , 1993, 109, 215-226. | 3.3 | 177 |
| 79 | River inputs and organic matter fluxes in the northern Bay of Bengal: fatty acids. <i>Chemical Geology</i> , 1993, 103, 55-71. | 3.3 | 10 |
| 80 | Chapter 10 Diagenesis of Organic Matter. <i>Developments in Sedimentology</i> , 1994, , 309-359. | 0.5 | 0 |
| 81 | Particulate fluxes of organic compounds and their relationship to zooplankton fecal pellets in the northwestern Mediterranean Sea. <i>Marine Chemistry</i> , 1994, 46, 387-405. | 2.3 | 67 |
| 82 | Free Aliphatic Acids in Sulfur-Rich Lacustrine Sediments: Their Origin and Relation to Hydrocarbons. <i>Energy & Fuels</i> , 1994, 8, 474-480. | 5.1 | 14 |
| 83 | Extractable and bound fatty acids in core sediments from the NÃ¼rdlinger Ries, southern Germany. <i>Fuel</i> , 1995, 74, 416-425. | 6.4 | 26 |
| 84 | Rates and mechanisms of fatty acid degradation in oxic and anoxic coastal marine sediments of Long Island Sound, New York, USA. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 341-355. | 3.9 | 128 |
| 85 | Origin and transport of organic matter across the Seine estuary: Fatty acid and sterol variations. <i>Marine Chemistry</i> , 1997, 58, 59-71. | 2.3 | 24 |
| 86 | Title is missing!. <i>Hydrobiologia</i> , 1998, 381, 77-103. | 2.0 | 8 |
| 87 | Organic geochemistry of lacustrine sediments: a record of the changing trophic status of Rostherne Mere, U.K.. <i>Organic Geochemistry</i> , 1998, 28, 729-747. | 1.8 | 33 |
| 88 | Depositional environment of sedimentary rocks inferred from normal fatty acid compositions. <i>Sedimentary Geology</i> , 1999, 125, 61-68. | 2.1 | 3 |
| 89 | Composition and early diagenesis of fatty acids in lacustrine sediments, lake Aydat (France). <i>Organic Geochemistry</i> , 2000, 31, 41-55. | 1.8 | 46 |
| 90 | Fatty acid composition of phytoplankton, settling particulate matter and sediments at a sheltered bivalve aquaculture site. <i>Marine Chemistry</i> , 2001, 76, 285-303. | 2.3 | 163 |
| 91 | Title is missing!. <i>Journal of Paleolimnology</i> , 2002, 28, 403-417. | 1.6 | 24 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 92 | Fatty acid trophic markers in the pelagic marine environment. <i>Advances in Marine Biology</i> , 2003, 46, 225-340. | 1.4 | 1,201 |
| 93 | The biomarker record of Lake Albano, central Italy—implications for Holocene aquatic system response to environmental change. <i>Organic Geochemistry</i> , 2003, 34, 1223-1235. | 1.8 | 49 |
| 94 | A hydrocarbon biomarker record for the last 40 kyr of plant input to Lake Heqing, southwestern China. <i>Organic Geochemistry</i> , 2004, 35, 595-613. | 1.8 | 72 |
| 95 | Pronounced occurrence of long-chain alkenones and dinosterol in a 25,000-year lipid molecular fossil record from Lake Titicaca, South America. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 623-636. | 3.9 | 42 |
| 96 | Abrupt and massive influx of terrestrial biomarkers into the marine environment at the Cretaceous—Tertiary boundary, Caravaca, Spain. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 224, 108-116. | 2.3 | 15 |
| 97 | Lipid geochemistry of lake sediments from semi-arid Spain: Relationships with source inputs and environmental factors. <i>Organic Geochemistry</i> , 2007, 38, 1169-1195. | 1.8 | 73 |
| 98 | Sources of organic matter in sediments from the Ord River in tropical northern Australia. <i>Organic Geochemistry</i> , 2007, 38, 1039-1060. | 1.8 | 44 |
| 99 | Comparison of accelerator and radiometric radiocarbon measurements obtained from Late Devesian Lateglacial lake sediments from Llyn Gwernan, North Wales, UK. <i>Boreas</i> , 1988, 17, 355-369. | 2.4 | 47 |
| 100 | Applications of Stable Isotopes in Hydrocarbon Exploration and Environmental Forensics. <i>Advances in Isotope Geochemistry</i> , 2012, , 639-677. | 1.4 | 7 |
| 101 | Significant changes in land vegetation and oceanic redox across the Cretaceous/Paleogene boundary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 369, 41-47. | 2.3 | 24 |
| 102 | Physils and organic matter-base palaeoenvironmental records of the K/Pg boundary transition from the late Cretaceous-early Palaeogene succession of the Um-Sohryngkew River section of Meghalaya, India. <i>Chemie Der Erde</i> , 2015, 75, 445-463. | 2.0 | 13 |
| 103 | Scientific drilling projects in ancient lakes: Integrating geological and biological histories. <i>Global and Planetary Change</i> , 2016, 143, 118-151. | 3.5 | 33 |
| 104 | Assessing human impact on Rostherne Mere, UK, using the geochemistry of organic matter. <i>Anthropocene</i> , 2018, 21, 52-65. | 3.3 | 12 |
| 105 | A 27cal ka biomarker-based record of ecosystem changes from lacustrine sediments of the Chihuahua Desert of Mexico. <i>Quaternary Science Reviews</i> , 2018, 191, 132-143. | 3.0 | 8 |
| 106 | Subsurface geochemical and mineralogical evaluation for unconventional oil play of the Bahloul Formation (Cenomanian-Turonian) in the Sahel Basin, Eastern Tunisia. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1. | 1.3 | 9 |
| 107 | Comparative Organic Geochemical Studies of Recent Algal Mats and Sediments of Algal Origin. , 1980, , 173-185. | | 3 |
| 108 | MOLECULAR CHANGES AND THE MATURATION OF SEDIMENTARY ORGANIC MATTER. , 1981, , 1-31. | | 8 |
| 109 | Sensitive assay, based on hydroxy fatty acids from lipopolysaccharide lipid A, for Gram-negative bacteria in sediments. <i>Applied and Environmental Microbiology</i> , 1982, 44, 1170-1177. | 3.1 | 121 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 110 | Environmental effects of Deccan volcanism on biotic transformations and attendant Cretaceous/Paleogene boundary mass extinction in the Indian subcontinent: Organo-molecular evidence. , 2020, , 165-197. | | 1 |
| 111 | Storm-Induced Dynamics of Particulate Organic Carbon in Clear Creek, Iowa: An Intensively Managed Landscape Critical Zone Observatory Story. <i>Frontiers in Water</i> , 2020, 2, . | 2.3 | 7 |
| 112 | Journal of the Cretaceous/Paleogene boundary mass extinction in the Indian subcontinent: Organo-molecular evidence. , 2020, , 165-197. | | |
| 113 | Comparative Organic Geochemical Studies of Recent Algal Mats and Sediments of Algal Origin. , 1980, , 173-185. | | 2 |
| 114 | Updated geochemical insights on the Weissert and Faraoni events in the southern Tethyan margin (northern Tunisia). <i>Arabian Journal of Geosciences</i> , 2021, 14, 1. | 1.3 | 3 |
| 115 | Evidence of biotic recovery through the Cretaceous/Paleogene transition from the Mahadeo-Cherrapunji succession in the Meghalaya shelf, India. <i>Palaeobiodiversity and Palaeoenvironments</i> , 0, , . | 1.5 | 2 |