

# Pieter De Waard

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

2,605  
citations

186265

28  
h-index

276875

41  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3417  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Genome-based discovery, structure prediction and functional analysis of cyclic lipopeptide antibiotics in <i>Pseudomonas</i> species. <i>Molecular Microbiology</i> , 2007, 63, 417-428.                                | 2.5  | 247       |
| 2  | Biochemical, Genetic, and Zoosporicidal Properties of Cyclic Lipopeptide Surfactants Produced by <i>Pseudomonas fluorescens</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 7161-7172.                  | 3.1  | 223       |
| 3  | Production of butyrate from lysine and the Amadori product fructoselysine by a human gut commensal. <i>Nature Communications</i> , 2015, 6, 10062.  | 12.8 | 199       |
| 4  | Double-Faced Micelles from Water-Soluble Polymers. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6673-6676.  | 13.8 | 174       |
| 5  | Water-Soluble Reversible Coordination Polymers: Chains and Rings. <i>Macromolecules</i> , 2003, 36, 7035-7044.  | 4.8  | 144       |
| 6  | Structural analysis of acetylated hemicellulose polysaccharides from fibre flax ( <i>Linum usitatissimum</i> ) Tj ETQq 0 0 0 rgBT /Overlock 10 TF 5   | 2.3  | 97        |
| 7  | Development of a triple hyphenated HPLC-radical scavenging detection-DAD-SPE-NMR system for the rapid identification of antioxidants in complex plant extracts. <i>Journal of Chromatography A</i> , 2005, 1074, 81-88. | 3.7  | 93        |
| 8  | Profiling human gut bacterial metabolism and its kinetics using [ <sup>13</sup> C]glucose and NMR. <i>NMR in Biomedicine</i> , 2010, 23, 2-12.  | 2.8  | 91        |
| 9  | Formation of novel poly(hydroxyalkanoates) from long-chain fatty acids. <i>Canadian Journal of Microbiology</i> , 1995, 41, 14-21.  | 1.7  | 89        |
| 10 | Location of O-acetyl substituents in xylo-oligosaccharides obtained from hydrothermally treated <i>Eucalyptus</i> wood. <i>Carbohydrate Research</i> , 2003, 338, 69-77.  | 2.3  | 74        |
| 11 | Identification of glucose-fermenting bacteria present in an in vitro model of the human intestine by RNA-stable isotope probing. <i>FEMS Microbiology Ecology</i> , 2007, 60, 126-135.                                  | 2.7  | 74        |
| 12 | Spontaneous symmetry breaking: formation of Janus micelles. <i>Soft Matter</i> , 2009, 5, 999-1005.   | 2.7  | 74        |
| 13 | Identification of Radical Scavenging Compounds in <i>Rhaponticum carthamoides</i> by Means of LC-DAD-SPE-NMR. <i>Journal of Natural Products</i> , 2005, 68, 168-172.   | 3.0  | 70        |
| 14 | Oleic acid as a substrate for poly-3-hydroxyalkanoate formation in <i>Alcaligenes eutrophus</i> and <i>Pseudomonas putida</i> . <i>Industrial Crops and Products</i> , 1992, 1, 157-163.                                | 5.2  | 67        |
| 15 | Structural studies on sulfated oligosaccharides derived from the carbohydrate-protein linkage region of chondroitin sulfate proteoglycans of whale cartilage. <i>FEBS Journal</i> , 1991, 202, 805-811.                 | 0.2  | 63        |
| 16 | Conformational studies on the N-linked carbohydrate chain of bromelain. <i>FEBS Journal</i> , 1990, 190, 113-122.   | 0.2  | 58        |
| 17 | Temperature Responsive Complex Coacervate Core Micelles With a PEO and PNIPAAm Corona. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10833-10840.   | 2.6  | 58        |
| 18 | Isolation, identification and activity of natural antioxidants from horehound ( <i>Marrubium vulgare</i> L.) cultivated in Lithuania. <i>Food Chemistry</i> , 2012, 130, 695-701.                                       | 8.2  | 54        |

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|----|---|------|-----------|
| 19 | Core and Corona Structure of Mixed Polymeric Micelles. <i>Macromolecules</i> , 2006, 39, 5952-5955.   | 4.8  | 50        |
| 20 | Structural elucidation of the EPS of slime producing <i>Brevundimonas vesicularis</i> sp. isolated from a paper machine. <i>Carbohydrate Research</i> , 2002, 337, 1821-1831.   | 2.3  | 48        |
| 21 | <i>Methylobacterium</i> sp. isolated from a Finnish paper machine produces highly pyruvated galactan exopolysaccharide. <i>Carbohydrate Research</i> , 2003, 338, 1851-1859.  | 2.3  | 47        |
| 22 | Antioxidant activity of <i>Potentilla fruticosa</i> . <i>Journal of the Science of Food and Agriculture</i> , 2004, 84, 1997-2009.  | 3.5  | 45        |
| 23 | Structural characterisation and enzymic modification of the exopolysaccharide produced by <i>Lactococcus lactis</i> subsp. <i>cremoris</i> B891. <i>Carbohydrate Research</i> , 2000, 327, 411-422.   | 2.3  | 44        |
| 24 | Primary structure of the major O-glycosidically linked carbohydrate unit of human von Willebrand factor. <i>Glycoconjugate Journal</i> , 1989, 6, 263-270.  | 2.7  | 41        |
| 25 | Isolation of antioxidative secoiridoids from olive wood ( <i>Olea europaea</i> L.) guided by on-line HPLC-DAD radical scavenging detection. <i>Food Chemistry</i> , 2011, 124, 36-41.   | 8.2  | 34        |
| 26 | Antioxidative activity of <i>Geranium macrorrhizum</i> . <i>European Food Research and Technology</i> , 2004, 218, 253-261.   | 3.3  | 33        |
| 27 | Glyceollins and dehydroglyceollins isolated from soybean act as SERMs and ER subtype-selective phytoestrogens. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 156, 53-63.   | 2.5  | 29        |
| 28 | Isolation and structural characterization of novel neutral oligosaccharide-alditols from respiratory-mucus glycoproteins of a patient suffering from bronchiectasis. 1. Structure of 11 oligosaccharides having the GlcNAc $\beta$ (1-3)Gal $\beta$ (1-4)GlcNAc $\beta$ (1-6)GalNAc-ol structural element in common. <i>FEBS Journal</i> , 1991, 198, 151-168.  | 0.2  | 28        |
| 29 | Comparison of analytical and semi-preparative columns for high-performance liquid chromatography-solid-phase extraction-nuclear magnetic resonance. <i>Journal of Chromatography A</i> , 2006, 1112, 276-284.   | 3.7  | 25        |
| 30 | Elucidation of In Situ Ligninolysis Mechanisms of the Selective White-Rot Fungus <i>Ceriporiopsis subvermispora</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16757-16764.  | 6.7  | 25        |
| 31 | Structural variability of the neutral carbohydrate moiety of cow colostrum kappa-casein as a function of time after parturition. Identification of a tetrasaccharide with blood group I specificity. <i>FEBS Journal</i> , 1988, 173, 253-259.  | 0.2  | 24        |
| 32 | On the Transition between a Heterogeneous and Homogeneous Corona in Mixed Polymeric Micelles. <i>Langmuir</i> , 2008, 24, 12221-12227.  | 3.5  | 24        |
| 33 | Uniformly <sup>13</sup> C Labeled Lignin Internal Standards for Quantitative Pyrolysis-GC-MS Analysis of Grass and Wood. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 20070-20076.   | 6.7  | 24        |
| 34 | Ethyl tert-butyl ether (EtBE) degradation by an algal-bacterial culture obtained from contaminated groundwater. <i>Water Research</i> , 2019, 148, 314-323.   | 11.3 | 23        |
| 35 | Antibacterial prenylated stilbenoids from peanut ( <i>Arachis hypogaea</i> ). <i>Phytochemistry Letters</i> , 2018, 28, 13-18.  | 1.2  | 22        |
| 36 | Isolation and structural characterization of novel neutral oligosaccharide-alditols from respiratory-mucus glycoproteins of a patient suffering from bronchiectasis. 2. Structure of twelve hepta-to-nonasaccharides, six of which possess the GlcNAc $\beta$ (13)[Gal $\beta$ (14)GlcNAc $\beta$ (16)]Gal $\beta$ (13)GalNAc-ol common structural element. <i>FEBS Journal</i> , 1991, 198, 169-182. | 0.2  | 21        |

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|----|---|-----|-----------|
| 37 | Involvement of a Hydrophobic Pocket and Helix...11 in Determining the Modes of Action of Prenylated Flavonoids and Isoflavonoids in the Human Estrogen Receptor. <i>ChemBioChem</i> , 2015, 16, 2668-2677.  | 2.6 | 20        |
| 38 | Structural Motifs of Wheat Straw Lignin Differ in Susceptibility to Degradation by the White-Rot Fungus <i>Ceriporiopsis subvermispora</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 20032-20042.   | 6.7 | 20        |
| 39 | Characterization of N-linked gluco-oligomannose type of carbohydrate chains of glycoproteins from the ovary of the starfish <i>Asterias rubens</i> (L.). <i>FEBS Journal</i> , 1987, 168, 679-685.  | 0.2 | 15        |
| 40 | The structure of an alternative wall teichoic acid produced by a <i>Lactobacillus plantarum</i> WCFS1 mutant contains a 1,5-linked poly(ribitol phosphate) backbone with 2- $\beta$ -D-glucosyl substitutions. <i>Carbohydrate Research</i> , 2013, 370, 67-71. | 2.3 | 10        |
| 41 | Structural Studies on a Cell Wall Polysaccharide Preparation of <i>Lactococcus Lactis</i> Subspecies <i>Cremoris</i> H414. <i>Journal of Carbohydrate Chemistry</i> , 1994, 13, 363-382.  | 1.1 | 3         |