

# Elaine R Carbonero

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

2,089  
citations

172207

29  
h-index

233125

45  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1952  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Anti-inflammatory and analgesic properties in a rodent model of a (1 $\rightarrow$ 3),(1 $\rightarrow$ 6)-linked $\beta$ -glucan isolated from <i>Pleurotus pulmonarius</i> . <i>European Journal of Pharmacology</i> , 2008, 597, 86-91.  | 1.7 | 136       |
| 2  | <i>Lentinus edodes</i> heterogalactan: Antinociceptive and anti-inflammatory effects. <i>Food Chemistry</i> , 2008, 111, 531-537.  | 4.2 | 105       |
| 3  | A $\beta$ -glucan from the fruit bodies of edible mushrooms <i>Pleurotus eryngii</i> and <i>Pleurotus ostreatoroseus</i> . <i>Carbohydrate Polymers</i> , 2006, 66, 252-257.   | 5.1 | 95        |
| 4  | Structural characterization of a polysaccharide and a $\beta$ -glucan isolated from the edible mushroom <i>Flammulina velutipes</i> . <i>Phytochemistry</i> , 2006, 67, 2189-2196.   | 1.4 | 93        |
| 5  | Anticoagulant and antithrombotic activities of a chemically sulfated galactoglucomannan obtained from the lichen <i>Cladonia ibitipocae</i> . <i>International Journal of Biological Macromolecules</i> , 2005, 35, 97-102.  | 3.6 | 78        |
| 6  | <i>Lactarius rufus</i> (1 $\rightarrow$ 3),(1 $\rightarrow$ 6)- $\beta$ -d-glucans: Structure, antinociceptive and anti-inflammatory effects. <i>Carbohydrate Polymers</i> , 2013, 94, 129-136.  | 5.1 | 78        |
| 7  | Structure of <i>Agaricus</i> spp. fucogalactans and their anti-inflammatory and antinociceptive properties. <i>Bioresource Technology</i> , 2010, 101, 6192-6199.  | 4.8 | 74        |
| 8  | A 3-O-methylated mannogalactan from <i>Pleurotus pulmonarius</i> : Structure and antinociceptive effect. <i>Phytochemistry</i> , 2008, 69, 2731-2736.  | 1.4 | 72        |
| 9  | Polysaccharides from the fruit bodies of the basidiomycete <i>Laetiporus sulphureus</i> (Bull.: Fr.) Murr. <i>FEMS Microbiology Letters</i> , 2004, 230, 47-52.  | 0.7 | 63        |
| 10 | Chemical and biological properties of a highly branched $\beta$ -glucan from edible mushroom <i>Pleurotus sajor-caju</i> . <i>Carbohydrate Polymers</i> , 2012, 90, 814-819.   | 5.1 | 59        |
| 11 | Fucomannogalactan and glucan from mushroom <i>Amanita muscaria</i> : Structure and inflammatory pain inhibition. <i>Carbohydrate Polymers</i> , 2013, 98, 761-769.   | 5.1 | 59        |
| 12 | Anticoagulant and antithrombotic activity of a sulfate obtained from a glucan component of the lichen <i>Parmotrema mantiqueirense</i> Hale. <i>Carbohydrate Polymers</i> , 2005, 60, 7-13.  | 5.1 | 52        |
| 13 | Three exopolysaccharides of the $\beta$ -(1 $\rightarrow$ 6)-d-glucan type and a $\beta$ -(1 $\rightarrow$ 3;1 $\rightarrow$ 6)-d-glucan produced by strains of <i>Botryosphaeria rhodina</i> isolated from rotting tropical fruit. <i>Carbohydrate Research</i> , 2008, 343, 2481-2485. | 1.1 | 52        |
| 14 | Characterization of a heterogalactan: Some nutritional values of the edible mushroom <i>Flammulina velutipes</i> . <i>Food Chemistry</i> , 2008, 108, 329-333.   | 4.2 | 51        |
| 15 | <i>Agaricus bisporus</i> fucogalactan: Structural characterization and pharmacological approaches. <i>Carbohydrate Polymers</i> , 2013, 92, 184-191.   | 5.1 | 51        |
| 16 | Sulfonation and anticoagulant activity of fungal exocellular $\beta$ -(1 $\rightarrow$ 6)-d-glucan ( <i>lasiodiplodan</i> ). <i>Carbohydrate Polymers</i> , 2013, 92, 1908-1914.   | 5.1 | 47        |
| 17 | The presence of partially 3-O-methylated mannogalactan from the fruit bodies of edible basidiomycetes <i>Pleurotus ostreatus</i> $\Delta$ florida $\Delta$ ™ Berk. and <i>Pleurotus ostreatoroseus</i> Sing. <i>FEMS Microbiology Letters</i> , 2003, 221, 119-124.                      | 0.7 | 44        |
| 18 | Structural characterization and protective effect against murine sepsis of fucogalactans from <i>Agaricus bisporus</i> and <i>Lactarius rufus</i> . <i>Carbohydrate Polymers</i> , 2012, 87, 1620-1627.  | 5.1 | 44        |

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|----|--|-----|-----------|
| 19 | Comparative studies of the polysaccharides isolated from lichenized fungi of the genus <i>Cladonia</i> : significance as chemotypes. <i>FEMS Microbiology Letters</i> , 2001, 194, 65-69.                                  | 0.7 | 42        |
| 20 | Unusual partially 3-O-methylated $\beta$ -D-galactan from mushrooms of the genus <i>Pleurotus</i> . <i>Phytochemistry</i> , 2008, 69, 252-257.   | 1.4 | 42        |
| 21 | A gel-forming $\beta$ -D-glucan isolated from the fruit bodies of the edible mushroom <i>Pleurotus florida</i> . <i>Carbohydrate Research</i> , 2008, 343, 1456-1462.  | 1.1 | 39        |
| 22 | Structure of two glucans and a galactofuranomannan from the lichen <i>Umbilicaria mammulata</i> . <i>Carbohydrate Polymers</i> , 2006, 63, 13-18.  | 5.1 | 36        |
| 23 | A fungus-type $\beta$ -D-galactofuranan in the cultivated <i>Trebouxia</i> photobiont of the lichen <i>Ramalina gracilis</i> . <i>FEMS Microbiology Letters</i> , 2005, 244, 193-198.                                      | 0.7 | 35        |
| 24 | Chemical and Biological Properties of an Arabinogalactan from <i>Phyllanthus niruri</i> . <i>Journal of Natural Products</i> , 2005, 68, 1479-1483.  | 1.5 | 35        |
| 25 | A novel branched $\beta$ -D-glucan isolated from the basidiocarps of the edible mushroom <i>Pleurotus florida</i> . <i>Carbohydrate Polymers</i> , 2008, 73, 309-314.  | 5.1 | 35        |
| 26 | Structural characterization of the cell wall d-glucans isolated from the mycelium of <i>Botryosphaeria rhodina</i> MAMB-05. <i>Carbohydrate Research</i> , 2008, 343, 793-798.   | 1.1 | 35        |
| 27 | Polysaccharides of lichenized fungi of three <i>Cladonia</i> spp.: significance as chemotypes. <i>Phytochemistry</i> , 2002, 61, 681-686.  | 1.4 | 34        |
| 28 | Effect of a soluble $\beta$ -D-glucan from the lichenized fungus <i>Ramalina celastri</i> on macrophage activity. <i>International Immunopharmacology</i> , 2002, 2, 691-698.  | 1.7 | 33        |
| 29 | Structure elucidation of a bioactive fucomannogalactan from the edible mushroom <i>Hypsizygus marmoreus</i> . <i>Carbohydrate Polymers</i> , 2019, 225, 115203.  | 5.1 | 33        |
| 30 | An unusual water-soluble $\beta$ -D-glucan from the basidiocarp of the fungus <i>Ganoderma resinaceum</i> . <i>Carbohydrate Polymers</i> , 2008, 72, 473-478.  | 5.1 | 30        |
| 31 | A partially 3-O-methylated (1 $\rightarrow$ 4)-linked $\beta$ -D-galactan and $\beta$ -D-mannan from <i>Pleurotus ostreatus</i> Sing. <i>FEMS Microbiology Letters</i> , 2002, 212, 261-265.                               | 0.7 | 29        |
| 32 | Water-soluble polysaccharides from <i>Pleurotus ostreatus</i> var. <i>florida</i> mycelial biomass. <i>International Journal of Biological Macromolecules</i> , 2014, 70, 354-359.   | 3.6 | 27        |
| 33 | Biomass and exopolysaccharide production in submerged cultures of <i>Pleurotus ostreatus</i> Sing. and <i>Pleurotus ostreatus</i> "florida" (Jack.: Fr.) Kummer. <i>Journal of Basic Microbiology</i> , 2003, 43, 230-237. | 1.8 | 26        |
| 34 | Glucans of lichenized fungi: significance for taxonomy of the genera <i>Parmotrema</i> and <i>Rimelia</i> . <i>Phytochemistry</i> , 2005, 66, 929-934.   | 1.4 | 25        |
| 35 | Structural characterization of exopolysaccharides from biofilm of a cariogenic streptococci. <i>Carbohydrate Polymers</i> , 2011, 84, 1215-1220.   | 5.1 | 25        |
| 36 | Galactomannans with novel structures from the lichen <i>Rocella decipiens</i> Darb. <i>Carbohydrate Research</i> , 2005, 340, 1699-1705.   | 1.1 | 24        |

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|----|---|-----|-----------|
| 37 | Structural characterization of the uncommon polysaccharides obtained from <i>Peltigera canina</i> photobiont <i>Nostoc muscorum</i> . <i>Carbohydrate Polymers</i> , 2010, 81, 29-34.   | 5.1 | 23        |
| 38 | Chemical and immunological modifications of an arabinogalactan present in tea preparations of <i>Phyllanthus niruri</i> after treatment with gastric fluid. <i>International Journal of Biological Macromolecules</i> , 2008, 43, 115-120.            | 3.6 | 22        |
| 39 | Glucuronoarabinoxylan from coconut palm gum exudate: Chemical structure and gastroprotective effect. <i>Carbohydrate Polymers</i> , 2014, 107, 65-71.   | 5.1 | 22        |
| 40 | A (1 $\rightarrow$ 6)-linked $\alpha$ -mannopyranan, pseudonigeran, and a (1 $\rightarrow$ 4)-linked $\alpha$ -xylan, isolated from the lichenised basidiomycete <i>Dictyonema glabratum</i> . <i>FEMS Microbiology Letters</i> , 2002, 206, 175-178. | 0.7 | 19        |
| 41 | Chemical structure of a partially 3-O-methylated mannofucogalactan from edible mushroom <i>Grifola frondosa</i> . <i>Carbohydrate Polymers</i> , 2018, 187, 110-117.  | 5.1 | 18        |
| 42 | The origin of mannans found in submerged culture of basidiomycetes. <i>Carbohydrate Polymers</i> , 2010, 79, 1052-1056.   | 5.1 | 17        |
| 43 | Antithrombin and heparin cofactor II-mediated inactivation of $\alpha$ -thrombin by a synthetic, sulfated mannogalactan. <i>Thrombosis Research</i> , 2010, 126, e180-e187.   | 0.8 | 16        |
| 44 | Chemical structure and selected biological properties of a glucomannan from the lichenized fungus <i>Heterodermia obscurata</i> . <i>Phytochemistry</i> , 2010, 71, 2132-2139.  | 1.4 | 15        |
| 45 | Exopolysaccharide from surface-liquid culture of <i>Clonostachys rosea</i> originates from autolysis of the biomass. <i>Archives of Microbiology</i> , 2009, 191, 369-378.  | 1.0 | 14        |
| 46 | Polysaccharide glucomannan isolated from <i>Heterodermia obscurata</i> attenuates acute and chronic pain in mice. <i>Carbohydrate Polymers</i> , 2013, 92, 2058-2064.   | 5.1 | 13        |
| 47 | Partially methylated galactans containing different proportions of 3-O-methyl-galactose from <i>Pleurotus citrinopileatus</i> . <i>Carbohydrate Research</i> , 2018, 458-459, 29-34.  | 1.1 | 12        |
| 48 | Inhibition of <i>Leishmania amazonensis</i> arginase by fucogalactan isolated from <i>Agrocybe aegerita</i> mushroom. <i>Carbohydrate Polymers</i> , 2018, 201, 532-538.  | 5.1 | 12        |
| 49 | A galactose-rich heteropolysaccharide extracted from "jaboticaba" ( <i>Plinia cauliflora</i> ) peels. <i>Carbohydrate Polymers</i> , 2020, 249, 116821.   | 5.1 | 12        |
| 50 | Xylans from the Medicinal Herb <i>Phyllanthus niruri</i> . <i>Journal of Natural Products</i> , 2005, 68, 129-132.  | 1.5 | 11        |
| 51 | Chemotypes significance of lichenized fungi by structural characterization of heteropolysaccharides from the genera <i>Parmotrema</i> and <i>Rimelia</i> . <i>FEMS Microbiology Letters</i> , 2005, 246, 273-278.                                     | 0.7 | 10        |
| 52 | Polysaccharides present in cultivated <i>Teloschistes flavicans</i> symbiosis: Comparison with those of the thallus. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 500-505.  | 2.8 | 10        |
| 53 | Structural characterization of a galactomannan from the cyanolichen <i>Leptogium azureum</i> . <i>Carbohydrate Polymers</i> , 2003, 53, 469-473.  | 5.1 | 5         |