

# Sayani Ray

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

460

citations

12

h-index

21

g-index

28

ext. papers

551

ext. citations

7.5

avg, IF

3.63

L-index

#	Paper	IF	Citations
28	Synthesis, molecular features and biological activities of modified plant polysaccharides.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 289, 119299	10.3	2
27	The heparin-mimicking arabinogalactan sulfates from Anogeissus latifolia gum: Production, structures, and anti-herpes simplex virus activity. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 183, 1419-1426	7.9	3
26	Conjugation reaction with ferulic acid boosts the antioxidant property of arabinogalactan-protein and enhances its ability to form complex with $\beta$ lactoglobulin. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 167, 587-594	7.9	1
25	Chemically sulfated arabinoxylans from Plantago ovata seed husk: Synthesis, characterization and antiviral activity. <i>Carbohydrate Polymers</i> , <b>2021</b> , 256, 117555	10.3	4
24	Antiviral Strategies Using Natural Source-Derived Sulfated Polysaccharides in the Light of the COVID-19 Pandemic and Major Human Pathogenic Viruses.. <i>Viruses</i> , <b>2021</b> , 14,	6.2	7
23	Exploiting the Amazing Diversity of Natural Source-Derived Polysaccharides: Modern Procedures of Isolation, Engineering, and Optimization of Antiviral Activities. <i>Polymers</i> , <b>2020</b> , 13,	4.5	11
22	The heteropolysaccharide of Mangifera indica fruit: Isolation, chemical profile, complexation with $\beta$ lactoglobulin and antioxidant activity. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 165, 93-99	7.9	4
21	Isolation, structural features, in vitro antioxidant activity and assessment of complexation ability with $\beta$ lactoglobulin of a polysaccharide from fruit. <i>Heliyon</i> , <b>2020</b> , 6, e05499	3.6	6
20	Assessment of antiherpetic activity of nonsulfated and sulfated polysaccharides from Azadirachta indica. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 137, 54-61	7.9	13
19	Chemically sulfated polysaccharides from natural sources: Assessment of extraction-sulfation efficiencies, structural features and antiviral activities. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 136, 521-530	7.9	25
18	Functional exploration of Pseudoalteromonas atlantica as a source of hemicellulose-active enzymes: Evidence for a GH8 xylanase with unusual mode of action. <i>Enzyme and Microbial Technology</i> , <b>2019</b> , 127, 6-16	3.8	5
17	Polysaccharides from Thymus vulgaris leaf: Structural features, antioxidant activity and interaction with bovine serum albumin. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 125, 580-587	7.9	15
16	Chemical profile of a polysaccharide from Psidium guajava leaves and its in vivo antitussive activity. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 681-686	7.9	10
15	Structural insight of an antioxidative arabinogalactan protein of Aegle marmelos fruit gum and its interaction with $\beta$ lactoglobulin. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 99, 300-307	7.9	8
14	Green seaweed Enteromorpha compressa (Chlorophyta, Ulvaceae) derived sulphated polysaccharides inhibit herpes simplex virus. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 102, 605-612	7.9	57
13	Structural highlights of an antioxidative arabinogalactan protein of Lannea grandis gum that stabilizes $\beta$ lactoglobulin. <i>Food Hydrocolloids</i> , <b>2016</b> , 61, 720-729	10.6	3
12	Isolation and structural features of an antiradical polysaccharide of Capsicum annum that interacts with BSA. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 75, 144-51	7.9	7

11	Isolation and structural elements of a water-soluble free radical scavenger from <i>Nyctanthes arbor-tristis</i> leaves. <i>Phytochemistry</i> , <b>2015</b> , 115, 20-6	4	4
10	Additionally sulfated xylomannan sulfates from <i>Scinaia hatei</i> and their antiviral activities. <i>Carbohydrate Polymers</i> , <b>2015</b> , 131, 315-21	10.3	12
9	Chemical structure of the arabinogalactan protein from gum ghatti and its interaction with bovine serum albumin. <i>Carbohydrate Polymers</i> , <b>2015</b> , 117, 370-376	10.3	14
8	Extracted polysaccharide from <i>Nyctanthes arbor-tristis</i> leaves: chemical and antitussive properties. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 75, 128-32	7.9	3
7	Interaction with bovine serum albumin of an anti-oxidative pectic arabinogalactan from <i>Andrographis paniculata</i> . <i>Carbohydrate Polymers</i> , <b>2014</b> , 101, 342-8	10.3	13
6	Novel and diverse fine structures in LiCl-DMSO extracted apple hemicelluloses. <i>Carbohydrate Polymers</i> , <b>2014</b> , 108, 46-57	10.3	28
5	Chemically engineered sulfated glucans from rice bran exert strong antiviral activity at the stage of viral entry. <i>Journal of Natural Products</i> , <b>2013</b> , 76, 2180-8	4.9	33
4	Characterization of mucilage polysaccharides, arabinogalactanproteins and cell-wall hemicellulosic polysaccharides isolated from flax seed meal: A wealth of structural moieties. <i>Carbohydrate Polymers</i> , <b>2013</b> , 93, 651-60	10.3	35
3	Antioxidative carbohydrate polymer from <i>Enhydra fluctuans</i> and its interaction with bovine serum albumin. <i>Biomacromolecules</i> , <b>2013</b> , 14, 1761-8	6.9	26
2	Antiviral activity against dengue virus of diverse classes of algal sulfated polysaccharides. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 412-6	7.9	63
1	The in vitro antiviral property of <i>Azadirachta indica</i> polysaccharides for poliovirus. <i>Journal of Ethnopharmacology</i> , <b>2012</b> , 142, 86-90	5	48