

Sayani Ray

List of Publications by Citations

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Version: 2024-04-20

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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	Antiviral activity against dengue virus of diverse classes of algal sulfated polysaccharides. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 412-6	7.9	63
27	Green seaweed <i>Enteromorpha compressa</i> (Chlorophyta, Ulvaceae) derived sulphated polysaccharides inhibit herpes simplex virus. <i>International Journal of Biological Macromolecules</i> , 2017 , 102, 605-612	7.9	57
26	The in vitro antiviral property of <i>Azadirachta indica</i> polysaccharides for poliovirus. <i>Journal of Ethnopharmacology</i> , 2012 , 142, 86-90	5	48
25	Characterization of mucilage polysaccharides, arabinogalactan proteins and cell-wall hemicellulosic polysaccharides isolated from flax seed meal: A wealth of structural moieties. <i>Carbohydrate Polymers</i> , 2013 , 93, 651-60	10.3	35
24	Chemically engineered sulfated glucans from rice bran exert strong antiviral activity at the stage of viral entry. <i>Journal of Natural Products</i> , 2013 , 76, 2180-8	4.9	33
23	Novel and diverse fine structures in LiCl-DMSO extracted apple hemicelluloses. <i>Carbohydrate Polymers</i> , 2014 , 108, 46-57	10.3	28
22	Antioxidative carbohydrate polymer from <i>Enhydra fluctuans</i> and its interaction with bovine serum albumin. <i>Biomacromolecules</i> , 2013 , 14, 1761-8	6.9	26
21	Chemically sulfated polysaccharides from natural sources: Assessment of extraction-sulfation efficiencies, structural features and antiviral activities. <i>International Journal of Biological Macromolecules</i> , 2019 , 136, 521-530	7.9	25
20	Polysaccharides from <i>Thymus vulgaris</i> leaf: Structural features, antioxidant activity and interaction with bovine serum albumin. <i>International Journal of Biological Macromolecules</i> , 2019 , 125, 580-587	7.9	15
19	Chemical structure of the arabinogalactan protein from gum ghatti and its interaction with bovine serum albumin. <i>Carbohydrate Polymers</i> , 2015 , 117, 370-376	10.3	14
18	Assessment of antiherpetic activity of nonsulfated and sulfated polysaccharides from <i>Azadirachta indica</i> . <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 54-61	7.9	13
17	Interaction with bovine serum albumin of an anti-oxidative pectic arabinogalactan from <i>Andrographis paniculata</i> . <i>Carbohydrate Polymers</i> , 2014 , 101, 342-8	10.3	13
16	Additionally sulfated xylomannan sulfates from <i>Scinaia hatei</i> and their antiviral activities. <i>Carbohydrate Polymers</i> , 2015 , 131, 315-21	10.3	12
15	Exploiting the Amazing Diversity of Natural Source-Derived Polysaccharides: Modern Procedures of Isolation, Engineering, and Optimization of Antiviral Activities. <i>Polymers</i> , 2020 , 13,	4.5	11
14	Chemical profile of a polysaccharide from <i>Psidium guajava</i> leaves and its in vivo antitussive activity. <i>International Journal of Biological Macromolecules</i> , 2018 , 109, 681-686	7.9	10
13	Structural insight of an antioxidative arabinogalactan protein of <i>Aegle marmelos</i> fruit gum and its interaction with β -lactoglobulin. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 300-307	7.9	8
12	Isolation and structural features of an antiradical polysaccharide of <i>Capsicum annum</i> that interacts with BSA. <i>International Journal of Biological Macromolecules</i> , 2015 , 75, 144-51	7.9	7

11	Antiviral Strategies Using Natural Source-Derived Sulfated Polysaccharides in the Light of the COVID-19 Pandemic and Major Human Pathogenic Viruses.. <i>Viruses</i> , 2021 , 14,	6.2	7
10	Isolation, structural features, in vitro antioxidant activity and assessment of complexation ability with β lactoglobulin of a polysaccharide from fruit. <i>Heliyon</i> , 2020 , 6, e05499	3.6	6
9	Functional exploration of <i>Pseudoalteromonas atlantica</i> as a source of hemicellulose-active enzymes: Evidence for a GH8 xylanase with unusual mode of action. <i>Enzyme and Microbial Technology</i> , 2019 , 127, 6-16	3.8	5
8	Isolation and structural elements of a water-soluble free radical scavenger from <i>Nyctanthes arbor-tristis</i> leaves. <i>Phytochemistry</i> , 2015 , 115, 20-6	4	4
7	The heteropolysaccharide of <i>Mangifera indica</i> fruit: Isolation, chemical profile, complexation with β lactoglobulin and antioxidant activity. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 93-99	7.9	4
6	Chemically sulfated arabinoxylans from <i>Plantago ovata</i> seed husk: Synthesis, characterization and antiviral activity. <i>Carbohydrate Polymers</i> , 2021 , 256, 117555	10.3	4
5	Structural highlights of an antioxidative arabinogalactan protein of <i>Lanea grandis</i> gum that stabilizes β lactoglobulin. <i>Food Hydrocolloids</i> , 2016 , 61, 720-729	10.6	3
4	Extracted polysaccharide from <i>Nyctanthes arbor-tristis</i> leaves: chemical and antitussive properties. <i>International Journal of Biological Macromolecules</i> , 2015 , 75, 128-32	7.9	3
3	The heparin-mimicking arabinogalactan sulfates from <i>Anogeissus latifolia</i> gum: Production, structures, and anti-herpes simplex virus activity. <i>International Journal of Biological Macromolecules</i> , 2021 , 183, 1419-1426	7.9	3
2	Synthesis, molecular features and biological activities of modified plant polysaccharides.. <i>Carbohydrate Polymers</i> , 2022 , 289, 119299	10.3	2
1	Conjugation reaction with ferulic acid boosts the antioxidant property of arabinogalactan-protein and enhances its ability to form complex with β lactoglobulin. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 587-594	7.9	1