

# Yu P Fedonenko

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7303067/publications.pdf>

Version: 2024-02-01

41  
papers

439  
citations

759233

12  
h-index

794594

19  
g-index

42  
all docs

42  
docs citations

42  
times ranked

203  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of the O-specific polysaccharide of the lipopolysaccharide of <i>Azospirillum brasilense</i> Sp245. <i>Carbohydrate Research</i> , 2002, 337, 869-872.	2.3	60
2	Structure of the O-polysaccharide of the lipopolysaccharide of <i>Azospirillum irakense</i> KBC1. <i>Carbohydrate Research</i> , 2004, 339, 1813-1816.	2.3	29
3	Structural analysis of the O-polysaccharide from the lipopolysaccharide of <i>Azospirillum brasilense</i> S17. <i>Carbohydrate Research</i> , 2008, 343, 810-816.	2.3	26
4	Involvement of the Lipopolysaccharides of <i>Azospirilla</i> in the Interaction with Wheat Seedling Roots. <i>Microbiology</i> , 2001, 70, 329-334.	1.2	23
5	Structural studies of the O-specific polysaccharide(s) from the lipopolysaccharide of <i>Azospirillum brasilense</i> type strain Sp7. <i>Carbohydrate Research</i> , 2013, 380, 76-80.	2.3	23
6	Chemical and serological studies of liposaccharides of bacteria of the genus <i>Azospirillum</i> . <i>Microbiology</i> , 2008, 77, 305-312.	1.2	21
7	Structure of the O-polysaccharide from the <i>Azospirillum lipoferum</i> Sp59b lipopolysaccharide. <i>Carbohydrate Research</i> , 2005, 340, 1259-1263.	2.3	20
8	O-polysaccharide structure in serogroup I azospirilla. <i>Microbiology</i> , 2010, 79, 197-205.	1.2	18
9	Capsular polysaccharide of the bacterium <i>Azospirillum lipoferum</i> Sp59b: Structure and antigenic specificity. <i>Biochemistry (Moscow)</i> , 2010, 75, 606-613.	1.5	13
10	Structure and serology of O-antigens of nitrogen-fixing rhizobacteria of the genus <i>Azospirillum</i> . <i>Russian Chemical Bulletin</i> , 2015, 64, 1024-1031.	1.5	13
11	Structural analysis of the O-antigen of the lipopolysaccharide from <i>Azospirillum lipoferum</i> SR65. <i>Carbohydrate Research</i> , 2008, 343, 2841-2844.	2.3	12
12	Structural analysis of the O-polysaccharide of the lipopolysaccharide from <i>Azospirillum brasilense</i> Jm6B2 containing 3-O-methyl-d-rhamnose (d-acofriose). <i>Carbohydrate Research</i> , 2012, 355, 92-95.	2.3	12
13	Structure of repeating units of a polysaccharide(s) from the lipopolysaccharide of <i>Azospirillum brasilense</i> SR80. <i>Carbohydrate Research</i> , 2013, 371, 40-44.	2.3	12
14	Structural peculiarities of the O-specific polysaccharides of <i>Azospirillum</i> bacteria of serogroup III. <i>Biochemistry (Moscow)</i> , 2011, 76, 797-802.	1.5	11
15	Structural and functional peculiarities of the lipopolysaccharide of <i>Azospirillum brasilense</i> SR55, isolated from the roots of <i>Triticum durum</i> . <i>Microbiological Research</i> , 2011, 166, 585-593.	5.3	11
16	Structural properties of capsular and O-specific polysaccharides of <i>Azospirillum brasilense</i> Sp245 under varying cultivation conditions. <i>Microbiology</i> , 2016, 85, 664-671.	1.2	11
17	Use of an electro-optical sensor and phage antibodies for immunodetection of <i>Herbaspirillum</i> . <i>Talanta</i> , 2019, 202, 362-368.	5.5	11
18	A Comparison of the Lipopolysaccharides and O-Specific Polysaccharides of <i>Azospirillum brasilense</i> Sp245 and Its Omegon-Km Mutants KM018 and KM252. <i>Microbiology</i> , 2004, 73, 143-149.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Determination of the Structure of the Repeated Unit of the <i>Azospirillum brasilense</i> SR75 O-Specific Polysaccharide and Homology of the <i>Ips</i> Loci in the Plasmids of <i>Azospirillum brasilense</i> strains SR75 and Sp245. <i>Microbiology</i> , 2005, 74, 542-548.	1.2	9
20	Title is missing!. <i>Biology Bulletin</i> , 2003, 30, 354-360.	0.5	8
21	Elucidation of a masked repeating structure of the O-specific polysaccharide of the halotolerant soil bacteria <i>Azospirillum halopraeferens</i> Au4. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 636-642.	2.2	8
22	Immunochemical Characterization of the Capsular Polysaccharide of <i>Azospirillum irakense</i> KBC1. <i>Current Microbiology</i> , 2013, 67, 234-239.	2.2	7
23	Structural studies of the O-specific polysaccharide from detergent degrading bacteria <i>Pseudomonas putida</i> TSh-18. <i>Carbohydrate Research</i> , 2017, 448, 1-5.	2.3	7
24	Structural studies of O-specific polysaccharide(s) and biological activity toward plants of the lipopolysaccharide from <i>Azospirillum brasilense</i> SR8. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 246-253.	7.5	7
25	Characterization of biopolymers produced by planktonic and biofilm cells of <i>Herbaspirillum lusitanum</i> P6. <i>Journal of Applied Microbiology</i> , 2020, 129, 1349-1363.	3.1	7
26	Title is missing!. <i>Microbiology</i> , 2001, 70, 36-40.	1.2	6
27	Chemical composition and immunochemical characteristics of the lipopolysaccharide of nitrogen-fixing rhizobacterium <i>Azospirillum brasilense</i> CD. <i>Microbiology</i> , 2006, 75, 323-328.	1.2	6
28	Structure of the polysaccharides from the lipopolysaccharide of <i>Azospirillum brasilense</i> Jm125A2. <i>Carbohydrate Research</i> , 2015, 416, 37-40.	2.3	6
29	Characterization of the lipopolysaccharides of serogroup II <i>Azospirillum</i> strains. <i>Microbiology</i> , 2014, 83, 326-334.	1.2	5
30	Structure of the O-specific polysaccharide from <i>Azospirillum fermentarium</i> CC-LY743T. <i>Carbohydrate Research</i> , 2018, 465, 40-43.	2.3	5
31	Structural studies of the polysaccharides from the lipopolysaccharides of <i>Azospirillum brasilense</i> Sp246 and SpBr14. <i>Carbohydrate Research</i> , 2014, 398, 40-44.	2.3	4
32	The use and development of the dynamic light-scattering method to investigate supramolecular structures in aqueous solutions of bacterial lipopolysaccharides. <i>Biophysics (Russian Federation)</i> , 2016, 61, 547-557.	0.7	4
33	Structure of the O-specific polysaccharide of <i>Azospirillum doebereineriae</i> type strain GSF71T. <i>Carbohydrate Research</i> , 2019, 478, 54-57.	2.3	4
34	An improved rapid method for the preparation of d-rhamnose. <i>Carbohydrate Research</i> , 2012, 347, 161-163.	2.3	2
35	Structure of the O-specific polysaccharide from <i>Azospirillum formosense</i> CC-Nfb-7(T). <i>Carbohydrate Research</i> , 2020, 494, 108060.	2.3	2
36	Electro-Optical Detection of Phage Antibody Interaction with Complementary Antigens of <i>Herbaspirillum seropedicae</i> Z78 Cells. <i>Applied Biochemistry and Microbiology</i> , 2020, 56, 106-113.	0.9	1

#	ARTICLE	IF	CITATIONS
37	Effect of flavonoids on the composition of surface glycopolymers of <i>Azospirillum lipoferum</i> Sp59b. <i>Microbiology</i> , 2014, 83, 15-22.	1.2	0
38	Evaluation of the secondary structure of poly- $\beta$ -glutamic acid produced by <i>Bacillus subtilis</i> EGP5QL12 by circular dichroism spectroscopy method. <i>Izvestiya of Saratov University New Series Series: Chemistry Biology Ecology</i> , 2021, 21, 274-279.	0.1	0
39	Obtaining a fluorescently labeled endophytic strain of bacteria <i>Herbaspirillum lusitanum</i> P6-12 for their detection in vivo and in vitro. <i>Izvestiya of Saratov University New Series Series: Chemistry Biology Ecology</i> , 2021, 21, 286-291.	0.1	0
40	Bioremediation potential of a halophilic bacterium <i>Chromohalobacter salexigens</i> EG1QL3: exopolysaccharide production, crude oil degradation, and heavy metal tolerance. , 2020, , .		0
41	In vitro evaluation of some halophilic bacterial isolates as biofertilizers. , 2020, , .		0