

Andrei V Perepelov

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.

99
papers

1,020
citations

14
h-index

27
g-index

100
ext. papers

1,266
ext. citations

3.2
avg, IF

3.61
L-index

#	Paper	IF	Citations
99	NoteIdentification of 5,7-diacetamido-3,5,7,9-tetradeoxy-d-glycero-l-manno-non-2-ulosonic acid (di-N-acetyl-8-epipseudaminic acid) in the capsular polysaccharide of <i>Acinetobacter baumannii</i> Res546.. <i>Carbohydrate Research</i> , 2022 , 513, 108531	2.9	0
98	Correlation of <i>Acinetobacter baumannii</i> K144 and K86 capsular polysaccharide structures with genes at the K locus reveals the involvement of a novel multifunctional rhamnosyltransferase for structural synthesis. <i>International Journal of Biological Macromolecules</i> , 2021 , 193, 1294-1294	7.9	4
97	Structure elucidation and gene cluster annotation of the O-antigen of <i>Pseudomonas veronii</i> SHC-8-1 containing 2-acetamido-2,4,6-trideoxy-4-(3,5-dihydroxyhexanoylamino)-d-glucose. <i>Carbohydrate Research</i> , 2021 , 504, 108306	2.9	
96	Structure and gene cluster of the O-antigen of <i>Enterobacter cloacae</i> G3422. <i>Carbohydrate Research</i> , 2021 , 510, 108440	2.9	0
95	Structure and genetics of the O-antigen of <i>Enterobacter cloacae</i> K7 containing di-N-acetylpsseudaminic acid. <i>Carbohydrate Research</i> , 2021 , 508, 108392	2.9	
94	Structure and gene cluster of the O-polysaccharide from <i>Pseudomonas veronii</i> A-6-5 and its uranium bonding. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 2197-2204	7.9	4
93	Structure of the O-antigen of a halophilic bacterium <i>Salinicola salarius</i> HO-14. <i>Carbohydrate Research</i> , 2020 , 497, 108149	2.9	
92	Structure and genetics of <i>Escherichia coli</i> O antigens. <i>FEMS Microbiology Reviews</i> , 2020 , 44, 655-683	15.1	49
91	Structure and gene cluster of the O-antigen of <i>Escherichia coli</i> strain SDLZB008. <i>Carbohydrate Research</i> , 2020 , 498, 108154	2.9	0
90	Structure elucidation and gene cluster characterization of the O-antigen of <i>Vibrio cholerae</i> O14. <i>Carbohydrate Research</i> , 2019 , 474, 67-71	2.9	
89	Structure elucidation and gene cluster characterization of the O-antigen of <i>Vibrio cholerae</i> O68 containing (2S,4R)-2,4-dihydroxypentanoic acid. <i>Carbohydrate Research</i> , 2019 , 484, 107766	2.9	
88	Structure elucidation and gene cluster annotation of the O-antigen of <i>Vibrio cholerae</i> O100 containing two rarely occurred amino sugar derivatives. <i>Carbohydrate Research</i> , 2019 , 472, 98-102	2.9	2
87	Structure and gene cluster of the O-antigen of <i>Escherichia coli</i> O54. <i>Carbohydrate Research</i> , 2018 , 462, 34-38	2.9	2
86	Structure and genetics of a glycerol 2-phosphate-containing O-specific polysaccharide of <i>Escherichia coli</i> O33. <i>Carbohydrate Research</i> , 2018 , 460, 47-50	2.9	3
85	Structure and genetics of the O-specific polysaccharide of <i>Escherichia coli</i> O27. <i>Carbohydrate Research</i> , 2018 , 456, 1-4	2.9	6
84	Structure of Epolysaccharide of <i>Escherichia coli</i> O95: a disaccharide repeating unit containing d-fucose and d-threo-pent-2-ulose (xylulose). <i>Russian Chemical Bulletin</i> , 2018 , 67, 1931-1933	1.7	2
83	<i>Escherichia coli</i> O106, a new member of a group of enteric bacteria sharing an O-polysaccharide backbone structure. <i>Russian Chemical Bulletin</i> , 2018 , 67, 1538-1541	1.7	1

82	Structural and genetic relatedness of the O-antigens of Escherichia coli O50 and O2. <i>Carbohydrate Research</i> , 2018 , 464, 8-11	2.9	1
81	Structural studies on the O-polysaccharide of Escherichia coli O57. <i>Carbohydrate Research</i> , 2018 , 465, 1-3	2.9	3
80	A gene cluster at an unusual chromosomal location responsible for the novel O-antigen synthesis in Escherichia coli O62 by the ABC transporter-dependent pathway. <i>Glycobiology</i> , 2017 , 27, 669-676	5.8	7
79	Structural and genetic characterization of the O-antigen of Enterobacter cloacae C5529 related to the O-antigen of E. cloacae G3054. <i>Carbohydrate Research</i> , 2017 , 443-444, 49-52	2.9	6
78	Structure and gene cluster of the O-antigen of Enterobacter cloacae C4115. <i>Carbohydrate Research</i> , 2017 , 448, 110-114	2.9	3
77	Structures and gene clusters of the O-specific polysaccharides of the lipopolysaccharides of Escherichia coli O69 and O146 containing glycolactilic acids: ether conjugates of D-GlcNAc and D-Glc with (R)- and (S)-lactic acid. <i>Glycoconjugate Journal</i> , 2017 , 34, 71-84	3	2
76	Structure elucidation and analysis of biosynthesis genes of the O-antigen of Escherichia coli O131 containing N-acetylneuraminic acid. <i>Carbohydrate Research</i> , 2016 , 436, 41-44	2.9	2
75	Structure elucidation and gene cluster characterization of the O-antigen of Escherichia coli O80. <i>Carbohydrate Research</i> , 2016 , 432, 83-7	2.9	2
74	Structure and gene cluster of the O-antigen of Escherichia coli O137. <i>Carbohydrate Research</i> , 2016 , 422, 13-6	2.9	1
73	Structure and gene cluster of the o-antigen of Escherichia coli o96. <i>Carbohydrate Research</i> , 2016 , 420, 1-5	2.9	1
72	Structure and gene cluster of the O-antigen of Escherichia coli O165 containing 5-N-acetyl-7-N-[(R)-3-hydroxybutanoyl]pseudaminic acid. <i>Glycobiology</i> , 2016 , 26, 335-42	5.8	6
71	Structure of the O-polysaccharide of Escherichia coli O132. <i>Carbohydrate Research</i> , 2016 , 427, 44-7	2.9	10
70	Structure and gene cluster of the O-antigen of Escherichia coli O133. <i>Carbohydrate Research</i> , 2016 , 430, 82-84	2.9	4
69	Structure and gene cluster of the O-antigen of Escherichia coli O156 containing a pyruvic acid acetal. <i>Carbohydrate Research</i> , 2016 , 430, 24-28	2.9	4
68	Structures and genetics of biosynthesis of glycerol 1-phosphate-containing O-polysaccharides of Escherichia coli O28ab, O37, and O100. <i>Carbohydrate Research</i> , 2016 , 426, 26-32	2.9	6
67	Structure of the β -fucopyranosyl phosphate-containing O-specific polysaccharide of Escherichia coli O84. <i>International Journal of Biological Macromolecules</i> , 2016 , 88, 578-85	7.9	2
66	Structure and gene cluster of the O-antigen of Enterobacter cloacae G3421. <i>Carbohydrate Research</i> , 2016 , 427, 55-9	2.9	5
65	Structure and genetics of the O-antigens of Escherichia coli O182-O187. <i>Carbohydrate Research</i> , 2016 , 435, 58-67	2.9	7

64	Solvolysis with trifluoroacetic acid: an efficient method for selective cleavage of polysaccharides. <i>Mendeleev Communications</i> , 2016 , 26, 279-281	1.9	11
63	Structure and gene cluster of the O-antigen of Escherichia coli O140. <i>Carbohydrate Research</i> , 2015 , 411, 33-6	2.9	2
62	Structure and genetics of the O-antigen of Escherichia coli O169 related to the O-antigen of Shigella boydii type 6. <i>Carbohydrate Research</i> , 2015 , 414, 46-50	2.9	5
61	Structures and gene clusters of the closely related O-antigens of Escherichia coli O46 and O134, both containing D-glucuronoyl-D-allothreonine. <i>Carbohydrate Research</i> , 2015 , 409, 20-4	2.9	2
60	Structure elucidation and biosynthesis gene cluster organization of the O-antigen of Escherichia coli O170. <i>Carbohydrate Research</i> , 2015 , 417, 11-4	2.9	4
59	Structure and genetics of the O-antigen of Enterobacter cloacae G3054 containing di-N-acetylpsseudaminic acid. <i>Carbohydrate Research</i> , 2015 , 407, 59-62	2.9	7
58	Structure and genetics of biosynthesis of the glycosyl phosphate-containing O-polysaccharide of Escherichia coli O160. <i>Carbohydrate Research</i> , 2015 , 417, 89-93	2.9	3
57	Structure and gene cluster of the O-antigen of Escherichia coli O43. <i>Carbohydrate Research</i> , 2015 , 416, 32-6	2.9	9
56	Structural and genetic studies of the O-antigen of Escherichia coli O163. <i>Carbohydrate Research</i> , 2015 , 404, 34-8	2.9	2
55	Structure and gene cluster of the O-antigen of Escherichia coli O68. <i>Carbohydrate Research</i> , 2014 , 397, 27-30	2.9	8
54	Structural and genetic studies of the O-antigen of Enterobacter cloacae G2277. <i>Carbohydrate Research</i> , 2014 , 387, 10-3	2.9	5
53	Structure and gene cluster of the O-antigen of Escherichia coli O36. <i>Carbohydrate Research</i> , 2014 , 390, 46-9	2.9	2
52	Structure and gene cluster of the O-antigen of Escherichia coli O30. <i>Carbohydrate Research</i> , 2014 , 389, 196-8	2.9	2
51	Structure and genetics of the O-antigen of Enterobacter cloacae C6285 containing di-N-acetyllegionaminic acid. <i>Carbohydrate Research</i> , 2014 , 392, 21-4	2.9	14
50	Structure elucidation and gene cluster annotation of the O-antigen of Escherichia coli O39; application of anhydrous trifluoroacetic acid for selective cleavage of glycosidic linkages. <i>Carbohydrate Research</i> , 2014 , 388, 30-6	2.9	12
49	Structure and gene cluster of the O-antigen of Escherichia coli O154. <i>Carbohydrate Research</i> , 2013 , 379, 51-4	2.9	3
48	Structure of the O-specific polysaccharide from a marine bacterium Cellulophaga pacifica containing rarely occurred sugars, Fuc4NAc and ManNAcA. <i>Carbohydrate Research</i> , 2013 , 372, 69-72	2.9	6
47	Structure and gene cluster of the O-antigen of Escherichia coli O110 containing an amide of D-galacturonic acid with D-allothreonine. <i>Carbohydrate Research</i> , 2013 , 368, 57-60	2.9	5

46	Structure and gene cluster of the O-antigen of Escherichia coli O76. <i>Carbohydrate Research</i> , 2013 , 377, 14-7	2.9	2
45	Shigella flexneri O-antigens revisited: final elucidation of the O-acetylation profiles and a survey of the O-antigen structure diversity. <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 66, 201-10		60
44	Structure and gene cluster of the O-antigen of Escherichia coli O102. <i>Carbohydrate Research</i> , 2012 , 361, 73-7	2.9	5
43	Structure and gene cluster of the O-antigen of Escherichia coli O120. <i>Carbohydrate Research</i> , 2012 , 353, 106-10	2.9	6
42	Structure and gene cluster of the O-antigen of Escherichia coli O109; chemical and genetic evidences of the presence of L-RhaN3N derivatives in the O-antigens of E. coli O109 and O119. <i>FEMS Immunology and Medical Microbiology</i> , 2011 , 61, 47-53		6
41	Structure and genetics of the O-antigen of Escherichia coli O158. <i>Carbohydrate Research</i> , 2011 , 346, 2274-7		6
40	Structure and gene cluster of the O-antigen of Escherichia coli O19ab. <i>Carbohydrate Research</i> , 2011 , 346, 2812-5	2.9	3
39	Structure of the O-polysaccharide and characterization of the O-antigen gene cluster of Salmonella enterica O53. <i>Carbohydrate Research</i> , 2011 , 346, 373-6	2.9	8
38	Structures of the O-polysaccharides of Salmonella enterica O59 and Escherichia coli O15. <i>Carbohydrate Research</i> , 2011 , 346, 381-3	2.9	9
37	Structure of the O-polysaccharide of Vibrio cholerae O43 containing a new monosaccharide derivative, 4-(N-acetyl-l-allothreonyl)amino-4,6-dideoxy-D-glucose. <i>Carbohydrate Research</i> , 2011 , 346, 430-3	2.9	3
36	O-antigen structure and gene clusters of Escherichia coli O51 and Salmonella enterica O57; another instance of identical O-antigens in the two species. <i>Carbohydrate Research</i> , 2011 , 346, 828-32	2.9	4
35	Structural and genetic characterization of the closely related O-antigens of Escherichia coli O85 and Salmonella enterica O17. <i>Innate Immunity</i> , 2011 , 17, 164-73	2.7	13
34	Structure of the O-antigen of Salmonella O66 and the genetic basis for similarity and differences between the closely related O-antigens of Escherichia coli O166 and Salmonella O66. <i>Microbiology (United Kingdom)</i> , 2010 , 156, 1642-1649	2.9	12
33	Relatedness of the O-polysaccharide structures of Escherichia coli O123 and Salmonella enterica O58, both containing 4,6-dideoxy-4-{N-[(S)-3-hydroxybutanoyl]-D-alanyl}amino-D-glucose; revision of the E. coli O123 O-polysaccharide structure. <i>Carbohydrate Research</i> , 2010 , 345, 825-9	2.9	10
32	Structures of the O-antigens of Escherichia coli O13, O129, and O135 related to the O-antigens of Shigella flexneri. <i>Carbohydrate Research</i> , 2010 , 345, 1594-9	2.9	28
31	Structure and gene cluster of the O-antigen of Salmonella enterica O44. <i>Carbohydrate Research</i> , 2010 , 345, 2099-101	2.9	7
30	Structure of the O-polysaccharide of Salmonella enterica O41. <i>Carbohydrate Research</i> , 2010 , 345, 971-3	2.9	6
29	Structural and genetic characterization of the O-antigen of Salmonella enterica O56 containing a novel derivative of 4-amino-4,6-dideoxy-D-glucose. <i>Carbohydrate Research</i> , 2010 , 345, 1891-5	2.9	7

28	Structure and gene cluster of the O-antigen of Salmonella enterica O60 containing 3-formamido-3,6-dideoxy-D-galactose. <i>Carbohydrate Research</i> , 2010 , 345, 1632-4	2.9	9
27	The O-antigen of Salmonella enterica O13 and its relation to the O-antigen of Escherichia coli O127. <i>Carbohydrate Research</i> , 2010 , 345, 1808-11	2.9	9
26	Structure of the O-polysaccharide of Escherichia coli O61, Another E. coli O-antigen That Contains 5,7-Diacetamido-3,5,7,9-tetradeoxy-l-glycero-D-galacto-non-2-ulosonic (Di-N-acetyl-8-epilegionaminic) Acid. <i>Journal of Carbohydrate Chemistry</i> , 2009 , 28, 463-472	1.7	8
25	Structural and genetic characterization of Escherichia coli O99 antigen. <i>FEMS Immunology and Medical Microbiology</i> , 2009 , 57, 80-7		16
24	A similarity in the O-acetylation pattern of the O-antigens of Shigella flexneri types 1a, 1b, and 2a. <i>Carbohydrate Research</i> , 2009 , 344, 687-92	2.9	35
23	A new ethanolamine phosphate-containing variant of the O-antigen of Shigella flexneri type 4a. <i>Carbohydrate Research</i> , 2009 , 344, 1588-91	2.9	14
22	Structure of the O-polysaccharide of Escherichia coli O112ab containing L-iduronic acid. <i>Carbohydrate Research</i> , 2008 , 343, 571-5	2.9	11
21	The O-polysaccharide of Escherichia coli O112ac has the same structure as that of Shigella dysenteriae type 2 but is devoid of O-acetylation: a revision of the S. dysenteriae type 2 O-polysaccharide structure. <i>Carbohydrate Research</i> , 2008 , 343, 977-81	2.9	11
20	Structure and genetics of Shigella O antigens. <i>FEMS Microbiology Reviews</i> , 2008 , 32, 627-53	15.1	230
19	Structure of the O-polysaccharide of Escherichia coli O150 containing 2-acetamido-4-O-[(S)-1-carboxyethyl]-2-deoxy-d-glucose. <i>Carbohydrate Research</i> , 2007 , 342, 648-52	2.9	10
18	A pseudoaminic acid-containing O-specific polysaccharide from a marine bacterium Cellulophaga fucicola. <i>Carbohydrate Research</i> , 2007 , 342, 1378-81	2.9	13
17	Structure of a glucosyl phosphate-containing O-polysaccharide of Proteus vulgaris O42. <i>Carbohydrate Research</i> , 2007 , 342, 2826-31	2.9	1
16	Close relation of the O-polysaccharide structure of Escherichia coli O168 and revised structure of the O-polysaccharide of Shigella dysenteriae type 4. <i>Carbohydrate Research</i> , 2007 , 342, 2676-81	2.9	9
15	A group of Escherichia coli and Salmonella enterica O antigens sharing a common backbone structure. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 2159-2167	2.9	50
14	Structural and genetic evidence that the Escherichia coli O148 O antigen is the precursor of the Shigella dysenteriae type 1 O antigen and identification of a glucosyltransferase gene. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 139-147	2.9	34
13	Structure of the O-polysaccharide of Proteus mirabilis CCUG 10705 (OF) containing an amide of D-galacturonic acid with L-alanine. <i>Carbohydrate Research</i> , 2006 , 341, 1969-74	2.9	4
12	Structure of a teichoic acid-like O-polysaccharide of Escherichia coli O29. <i>Carbohydrate Research</i> , 2006 , 341, 2176-80	2.9	16
11	Structure of the O-polysaccharide and serological studies of the lipopolysaccharide of Proteus mirabilis 2002. <i>Carbohydrate Research</i> , 2005 , 340, 2305-10	2.9	7

10	Structure of the O-polysaccharide of <i>Proteus mirabilis</i> CCUG 10701 (OB) classified into a new <i>Proteus</i> serogroup, O74. <i>Carbohydrate Research</i> , 2004 , 339, 1395-8	2.9	4
9	Structure of the O-polysaccharide of <i>Proteus</i> serogroup O34 containing 2-acetamido-2-deoxy- α -D-galactosyl phosphate. <i>Carbohydrate Research</i> , 2004 , 339, 2145-9	2.9	7
8	Structure of the O-polysaccharide of <i>Proteus mirabilis</i> O19 and reclassification of certain <i>Proteus</i> strains that were formerly classified in serogroup O19. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2004 , 52, 188-96	4	3
7	Structure of the O-specific polysaccharide of <i>Proteus vulgaris</i> O45 containing 3-acetamido-3,6-dideoxy-D-galactose. <i>Carbohydrate Research</i> , 2003 , 338, 327-31	2.9	7
6	Structure of the O-specific polysaccharide of <i>Proteus vulgaris</i> O15 containing a novel regioisomer of N-acetylmuramic acid, 2-acetamido-4-O-[(R)-1-carboxyethyl]-2-deoxy-D-glucose. <i>Carbohydrate Research</i> , 2002 , 337, 2463-8	2.9	6
5	Structural studies of the O-specific polysaccharide of <i>Vibrio cholerae</i> O8 using solvolysis with triflic acid. <i>Carbohydrate Research</i> , 2001 , 330, 83-92	2.9	19
4	Structure of a glycerol teichoic acid-like O-specific polysaccharide of <i>Proteus vulgaris</i> O12. <i>FEBS Journal</i> , 2000 , 267, 788-93		10
3	First application of triflic acid for selective cleavage of glycosidic linkages in structural studies of a bacterial polysaccharide from <i>Pseudoalteromonas</i> sp. KMM 634. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000 , 363-366		14
2	Structural and serological studies on the O-antigen of <i>Proteus mirabilis</i> O14, a new polysaccharide containing 2-[(R)-1-carboxyethylamino]ethyl phosphate. <i>FEBS Journal</i> , 1999 , 261, 347-53		14
1	Structures of the O-specific polysaccharides and a serological cross-reactivity of the lipopolysaccharides of <i>Proteus mirabilis</i> O24 and O29. <i>FEBS Letters</i> , 1999 , 456, 227-31	3.8	6