

Ashish Kumar Pathak

List of Publications by Year in descending order

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36
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1,029
citations

394421

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41
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docs citations

41
times ranked

1037
citing authors

#	ARTICLE	IF	CITATIONS
1	NMR spectroscopy of steroidal sapogenins and steroidal saponins: An update. <i>Magnetic Resonance in Chemistry</i> , 1995, 33, 923-953.	1.9	105
2	Antimycobacterial Agents. 1. Thio Analogues of Purine. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 273-276.	6.4	86
3	Altered immunomodulating and toxicological properties of degraded <i>Quillaja saponaria</i> Molina saponins. <i>International Immunopharmacology</i> , 2001, 1, 813-818.	3.8	69
4	Studies on (1 \rightarrow 5) and (1 \rightarrow 6) linked octyl Galf disaccharides as substrates for mycobacterial galactosyltransferase activity. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 3129-3143.	3.0	68
5	Oligomannan Synthesis Using Ionic Liquid Supported Glycosylation. <i>Organic Letters</i> , 2008, 10, 145-148.	4.6	64
6	Fractionation, structural studies, and immunological characterization of the semi-synthetic <i>Quillaja</i> saponins derivative GPI-0100. <i>Vaccine</i> , 2003, 21, 3961-3971.	3.8	59
7	Imidazolium Cation Supported Solution-Phase Assembly of Homolinear (1 \rightarrow 6)-Linked Octamannoside: An Efficient Alternate Approach for Oligosaccharide Synthesis. <i>Journal of Organic Chemistry</i> , 2009, 74, 6307-6310.	3.2	51
8	Studies on n-Octyl-5-(1-d-arabinofuranosyl)-1-d-galactofuranosides for Mycobacterial Glycosyltransferase Activity. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 923-928.	3.0	40
9	Studies on (1 \rightarrow 5) linked octyl arabinofuranosyl disaccharides for mycobacterial arabinosyl transferase activity. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 3145-3151.	3.0	39
10	Expression, purification and characterisation of soluble GlfT and the identification of a novel galactofuranosyltransferase Rv3782 involved in priming GlfT-mediated galactan polymerisation in <i>Mycobacterium tuberculosis</i> . <i>Protein Expression and Purification</i> , 2008, 58, 332-341.	1.3	37
11	Tin(IV) chloride mediated glycosylation in arabinofuranose, galactofuranose and rhamnopyranose. <i>Tetrahedron Letters</i> , 1998, 39, 1497-1500.	1.4	36
12	Lipoarabinomannan biosynthesis in <i>Corynebacterineae</i> : the interplay of two (1 \rightarrow 2)-mannopyranosyltransferases MptC and MptD in mannan branching. <i>Molecular Microbiology</i> , 2011, 80, 1241-1259.	2.5	34
13	Studies on 1-d-Gal -(1 \rightarrow 4)-1-Rha octyl analogues as substrates for mycobacterial galactosyl transferase activity. <i>Bioorganic and Medicinal Chemistry</i> , 1999, 7, 2407-2413.	3.0	31
14	A facile method for deprotection of trityl ethers using column chromatography. <i>Tetrahedron Letters</i> , 2001, 42, 7755-7757.	1.4	29
15	Unique Functional and Structural Properties of the LRRK2 Protein ATP-binding Pocket. <i>Journal of Biological Chemistry</i> , 2014, 289, 32937-32951.	3.4	26
16	Arabinofuranose disaccharide analogs as inhibitors of <i>Mycobacterium tuberculosis</i> . <i>Tetrahedron</i> , 2003, 59, 10239-10248.	1.9	21
17	Synthesis of mannopyranose disaccharides as photoaffinity probes for mannosyltransferases in <i>Mycobacterium tuberculosis</i> . <i>Carbohydrate Research</i> , 2004, 339, 683-691.	2.3	21
18	Synthesis of a fluorescent arabinofuranosyl disaccharide: a probe for arabinosyltransferase activity in <i>Mycobacterium tuberculosis</i> . <i>Tetrahedron Letters</i> , 2001, 42, 979-982.	1.4	19

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19	Disaccharide analogs as probes for glycosyltransferases in <i>Mycobacterium tuberculosis</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 5629-5650.	3.0	19
20	Synthesis of deoxygenated $\beta(1\rightarrow5)$ -linked arabinofuranose disaccharides as substrates and inhibitors of arabinosyltransferases of <i>Mycobacterium tuberculosis</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 872-881.	3.0	19
21	6-Oxo and 6-thio purine analogs as antimycobacterial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1685-1695.	3.0	19
22	Nuclear Magnetic Resonance Spectroscopic Approaches for the Determination of Interglycosidic Linkage and Sequence in Oligosaccharides. , 1996, 7, 113-130.		18
23	Pyrimidone inhibitors targeting Chikungunya Virus nsP3 macrodomain by fragment-based drug design. <i>PLoS ONE</i> , 2021, 16, e0245013.	2.5	16
24	Synthesis of symmetrical C- and pseudo-symmetrical O-linked disaccharide analogs for arabinosyltransferase inhibitory activity in <i>Mycobacterium tuberculosis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 4527-4530.	2.2	13
25	Functional expression of <i>Francisella tularensis</i> FabH and FabI, potential antibacterial targets. <i>Protein Expression and Purification</i> , 2009, 65, 83-91.	1.3	13
26	Degradation of <i>Quillaja saponaria</i> Molina saponins: loss of the protective effects of a herpes simplex virus 1 subunit vaccine. <i>International Immunopharmacology</i> , 2002, 2, 1703-1711.	3.8	12
27	Synthesis of an arabinofuranosyl disaccharide photoaffinity probe for arabinosyltransferase activity in <i>Mycobacterium tuberculosis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 2749-2752.	2.2	12
28	Concise assembly of linear $\beta(1\rightarrow6)$ -linked octamannan fluorescent probe. <i>Tetrahedron Letters</i> , 2008, 49, 7157-7160.	1.4	9
29	<i>Quillaja</i> saponin adjuvants: derivatives formed under sub-optimal conditions. <i>Vaccine</i> , 2002, 20, 3237-3238.	3.8	8
30	Semi-synthesis of deoxyartemisinin. <i>Mendeleev Communications</i> , 2007, 17, 27-28.	1.6	8
31	Concise synthesis of an arabinofuranose hexasaccharide present in the cell wall of <i>Mycobacterium tuberculosis</i> . <i>Tetrahedron Letters</i> , 2012, 53, 2461-2464.	1.4	6
32	Targeting Chikungunya Virus Replication by Benzoannulene Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 4762-4786.	6.4	6
33	Solution-Phase Parallel Synthesis of Acyclic Nucleoside Libraries of Purine, Pyrimidine, and Triazole Acetamides. <i>ACS Combinatorial Science</i> , 2014, 16, 485-493.	3.8	5
34	Identification of Quinolinones as Antivirals against Venezuelan Equine Encephalitis Virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0024421.	3.2	5
35	Studies on Dibenzylamines as Inhibitors of Venezuelan Equine Encephalitis Virus. <i>ACS Infectious Diseases</i> , 2019, 5, 2014-2028.	3.8	2
36	Synthesis of Aza-acyclic Nucleoside Libraries of Purine, Pyrimidine, and 1,2,4-Triazole. <i>ACS Combinatorial Science</i> , 2019, 21, 183-191.	3.8	2