

# Riza Khan

## List of Publications by Year in descending order

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46  
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46  
docs citations

46  
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Chemistry and new uses of sucrose: how important?. Pure and Applied Chemistry, 1984, 56, 833-844.	1.9	71
2	The Chemistry of Sucrose. Advances in Carbohydrate Chemistry and Biochemistry, 1976, 33, 235-294.	0.9	66
3	Intensification of sweetness. Trends in Biochemical Sciences, 1978, 3, 61-63.	7.5	51
4	Kinetic acetonation of sucrose: preparative access to a chirally substituted 1,3,6-trioxacyclooctane system. Journal of Organic Chemistry, 1981, 46, 4057-4060.	3.2	49
5	Synthesis and reactions of 1,2:4,6-di-o-isopropylidene-sucrose. Carbohydrate Research, 1975, 43, 247-253.	2.3	45
6	Synthesis and reactions of tert-butyldiphenylsilyl ethers of sucrose. Carbohydrate Research, 1982, 101, 31-38.	2.3	42
7	Sweetness of sucrose and xylitol. Structural considerations. Journal of the Science of Food and Agriculture, 1976, 27, 140-144.	3.5	41
8	Hydroformylation catalysed by rhodium complexes of trehalose-derived ligands and -tredip; a highly regioselective route to 1±-methylarylpropionaldehydes. Tetrahedron, 1986, 42, 5105-5109.	1.9	37
9	Synthesis of sucrose epoxides, partial de-esterification of 1,2:4,6-di-O-isopropylidene sucrose tetra-acetate, and selective tosylation of 3,6-di-O-acetyl-1,2:4,6-di-O-isopropylidene sucrose. Carbohydrate Research, 1978, 65, 99-108.	2.3	34
10	Synthesis and reactions of 4,6-acetals of sucrose. Carbohydrate Research, 1978, 65, 109-113.	2.3	33
11	Sucrochemistry Part XIII. Synthesis of 4,6-O-benzylidene sucrose. Carbohydrate Research, 1974, 32, 375-379.	2.3	32
12	Reaction of methanesulphonyl chloride-N,N-dimethylformamide with partially esterified derivatives of sucrose. Carbohydrate Research, 1975, 39, 253-262.	2.3	24
13	Synthesis of 6-amino-6-deoxyhyaluronan as an intermediate for conjugation with carboxylate-containing compounds: application to hyaluronan-camptothecin conjugates. Carbohydrate Research, 2009, 344, 98-104.	2.3	24
14	A Simple Route to 1,2-Trehalose via Trichloroacetimidates. Journal of Carbohydrate Chemistry, 1984, 3, 343-348.	1.1	22
15	Enzymic regioselective hydrolysis of peracetylated reducing disaccharides, specifically at the anomeric centre: Intermediates for the synthesis of oligosaccharides.. Tetrahedron Letters, 1993, 34, 7767-7770.	1.4	22
16	Synthesis of methyl ether derivatives of sucrose. Carbohydrate Research, 1975, 43, 360-365.	2.3	16
17	Synthesis of 6,6-dideoxy-6,6-dihalosucroses and conversion of 6,6-dichloro-6,6-dideoxysucrose hexa-acetate into 6,6-diamino-6,6-dideoxysucrose. Carbohydrate Research, 1980, 78, 185-189.	2.3	16
18	Molecular insights of hyaluronic acid-hydroxychloroquine conjugate as a promising drug in targeting SARS-CoV-2 viral proteins. Journal of Molecular Structure, 2021, 1238, 130457.	3.6	16

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19	Synthesis and Reactions of Unsaturated Sugars: 6-Deoxyhex-5-enose and 5-Deoxypent-4-enose Derivatives. <i>Advances in Chemistry Series</i> , 1968, , 120-140.	0.6	15
20	The first replacement of a chlorosulphonyloxy group by chlorine at C-2 in methyl $\alpha$ -D-glucopyranoside and sucrose derivatives. <i>Carbohydrate Research</i> , 1980, 78, 173-183.	2.3	15
21	Tin(IV)-functionalised polymer supports; non-toxic and practical reagents for regioselective acetylation of sucrose. <i>Carbohydrate Research</i> , 1996, 283, 17-25.	2.3	14
22	Synthesis of 6-O-methotrexylhyaluronan as a drug delivery system. <i>Carbohydrate Research</i> , 2009, 344, 91-97.	2.3	14
23	The Chemistry of Maltose. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 1981, 39, 213-278.	0.9	13
24	Selective de-acetalation of $\alpha$ -2,4,6-di-O-isopropylidenesucrose tetra-acetate. <i>Carbohydrate Research</i> , 1979, 71, 327-330.	2.3	12
25	Ring-opening reactions of sucrose epoxides: Synthesis of $\alpha$ -2,4,6-tri-O-acetyl- $\beta$ -D-fructofuranose derivatives of sucrose. <i>Carbohydrate Research</i> , 1987, 162, 199-207.	2.3	12
26	Synthesis and reactions of cyclic acetal derivatives of 6,6-dichloro-6,6-dideoxysucrose. <i>Carbohydrate Research</i> , 1976, 49, 259-265.	2.3	9
27	The 4-oxovaleryl and 3-benzoylpropionyl groups for the protection of hydroxyl functions. <i>Carbohydrate Research</i> , 1974, 33, 391-395.	2.3	8
28	Crystal and molecular structure of $\alpha$ -2,4,6-di-O-isopropylidenesucrose tetra-acetate: a unique example of a d-fructofuranosyl ring in a sucrose derivative puckered at oxygen. <i>Carbohydrate Research</i> , 1979, 71, 35-42.	2.3	8
29	Hyaluronan: From Biomimetic to Industrial Business Strategy. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.5	8
30	Sucrose and Its Derivatives. <i>Progress in the Chemistry of Organic Natural Products</i> , 1989, , 117-184.	1.1	8
31	Halogenation reactions of derivatives of $\alpha$ -D-glucose and sucrose. <i>Carbohydrate Research</i> , 1990, 205, 211-223.	2.3	6
32	Selective acetylation reactions of hyaluronic acid benzyl ester derivative. <i>Carbohydrate Research</i> , 1998, 306, 137-146.	2.3	6
33	Low Calorie High-Intensity Sweeteners. <i>International Journal of Advanced Science and Engineering</i> , 2018, 5, 934.	0.1	6
34	Branched-chain sucroses: Synthesis and Wittig reaction of the $\alpha$ -2,4,6-tri-O-acetyl- $\beta$ -D-fructofuranose derivative of sucrose. <i>Carbohydrate Research</i> , 1987, 162, 209-215.	2.3	5
35	Chemical regioselective hydrolysis of peracetylated reducing disaccharides, specifically at the anomeric centre: Intermediates for the synthesis of oligosaccharides. <i>Tetrahedron Letters</i> , 1994, 35, 4247-4250.	1.4	5
36	Synthesis of 6-deoxy-6-chloro and 6-deoxy-6-bromo derivatives of scleroglucan as intermediates for conjugation with methotrexate and other carboxylate containing compounds. <i>Carbohydrate Polymers</i> , 2009, 75, 670-676.	10.2	5

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37	Hyaluronic Acid - Hydroxychloroquine Conjugate Proposed for Treatment of COVID-19. International Journal of Advanced Science and Engineering, 2020, 06, 1469-1471.	0.1	5
38	Molecular insights of hyaluronic acid " ethambutol and hyaluronic acid " isoniazid drug conjugates act as promising novel drugs for the treatment of tuberculosis. Journal of Biomolecular Structure and Dynamics, 2023, 41, 3562-3573.	3.5	5
39	Structural comparison of trehalose anomers; the X-ray crystal structures of $\alpha$ -D-(2,3,4-tri-O-methyl-6-methanesulphonyl)glucopyranosyl-1-O-(2'-3'-4'-tri-O-methyl-6'-) Tj ETQq1 1 0.784314 rgBT10verlock410 Tf 50	1.0	10
40	Synthesis of 6-deoxy-6-halolaminarans and conversion of 6-chloro-6-deoxylaminaran into the 6-amino-6-deoxy derivative. Carbohydrate Research, 1996, 292, 39-46.	2.3	4
41	Branched-chain sucrose: Synthesis of 4,1,6-trichloro-4,1,6-tetradeoxy-4-C-methyl-galacto-sucrose. Carbohydrate Research, 1987, 162, 298-302.	2.3	3
42	Perdeuterioacetylation with combined NMR and MS analysis as a method for determining the evolution of individual hydrolysis products during regioselective enzymatic hydrolysis of glucose pentaacetate. Catalysis Letters, 1991, 9, 71-83.	2.6	3
43	Synthesis and ring-opening reactions of 4-chloro-4-deoxy- $\alpha$ -D-galactopyranosyl 3,4-anhydro-1,6-dichloro-1,6-dideoxy- $\alpha$ -D-lyxo-hexulofuranoside. Carbohydrate Research, 1990, 200, 189-199.	2.3	2
44	Cyclic acetals of 4,1,6-trichloro-4,1,6-trideoxy-galacto-sucrose and their conversion into methyl ether derivatives. Carbohydrate Research, 1990, 198, 275-283.	2.3	2
45	Hyaluronic Acid " TB Drug Conjugates for the Treatment of Active Tuberculosis Disease. International Journal of Advanced Science and Engineering, 2020, 7, 1625-1628.	0.1	2