

Dilip D Dhavale

List of Publications by Year in descending order

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125
papers

3,176
citations

159585

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206112

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137
all docs

137
docs citations

137
times ranked

3216
citing authors

#	ARTICLE	IF	CITATIONS
1	Repurposing of genistein as anti-sickling agent: elucidation by multi spectroscopic, thermophoresis, and molecular modeling techniques. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 4038-4050.	3.5	4
2	Insights into the Inhibition Mechanism of Human Pancreatic α -Amylase, a Type 2 Diabetes Target, by Dehydrodieugenol B Isolated from <i>Ocimum tenuiflorum</i> . <i>ACS Omega</i> , 2021, 6, 1780-1786.	3.5	16
3	Potential of isoquercitrin as antisickling agent: a multi-spectroscopic, thermophoresis and molecular modeling approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 2717-2736.	3.5	6
4	Sugar-derived oxazolone pseudotetrapeptide as β -turn inducer and anion-selective transporter. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2419-2427.	2.2	1
5	Synthesis and anti-leishmanial activity of TRIS-glycine- β -alanine dipeptidic triazole dendron coated with nonameric mannoside glycocluster. <i>Carbohydrate Research</i> , 2019, 485, 107815.	2.3	9
6	Alizarin interaction with sickle hemoglobin: elucidation of their anti-sickling properties by multi-spectroscopic and molecular modeling techniques. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 4614-4631.	3.5	5
7	Fluorinated piperidine iminosugars and their N-alkylated derivatives: Synthesis, conformational analysis, immunosuppressive and glycosidase inhibitory activity studies. <i>Tetrahedron</i> , 2018, 74, 852-858.	1.9	9
8	Preparation and characterization of microencapsulated DwPT trivalent vaccine using water soluble chitosan and its in-vitro and in-vivo immunological properties. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 2044-2056.	7.5	12
9	Purification and Characterization of an Active Principle, Lawsone, Responsible for the Plasmid Curing Activity of <i>Plumbago zeylanica</i> Root Extracts. <i>Frontiers in Microbiology</i> , 2018, 9, 2618.	3.5	21
10	Acyclic β -Tripeptides with Fluorinated- and Nonfluorinated-Furanoid Sugar Framework: Importance of Fluoro Substituent in Reverse-Turn Induced Self-Assembly and Transmembrane Ion-Transport Activity. <i>Journal of Organic Chemistry</i> , 2017, 82, 5826-5834.	3.2	13
11	gem-Disubstituent Effect in Rate Acceleration of Intramolecular Alkyne-Azide Cycloaddition Reaction. <i>Tetrahedron</i> , 2017, 73, 365-372.	1.9	7
12	Iminosugars Spiro-Linked with Morpholine-Fused 1,2,3-Triazole: Synthesis, Conformational Analysis, Glycosidase Inhibitory Activity, Antifungal Assay, and Docking Studies. <i>ACS Omega</i> , 2017, 2, 7203-7218.	3.5	26
13	Self-Assembly of Fluorinated Sugar Amino Acid Derived β -Cyclic Peptides into Transmembrane Anion Transport. <i>Organic Letters</i> , 2017, 19, 5948-5951.	4.6	22
14	Synthesis and anti-proliferative activity of 3-deoxy-3-fluoro- C-hydroxymethyl-pyrimidine and purine nucleosides. <i>Tetrahedron</i> , 2017, 73, 6157-6163.	1.9	8
15	β -Geminal disubstituted pyrrolidine iminosugars and their C-4-fluoro analogues: Synthesis, glycosidase inhibition and molecular docking studies. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5148-5159.	3.0	10
16	Synthesis of the C8-epimeric thymine pyranosyl amino acid core of amipurimycin. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1765-1771.	2.2	8
17	Synthesis of 2,4,6-Trisubstituted Pyridines by Oxidative Eosin Y Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2016, 81, 7121-7126.	3.2	73
18	Interaction of a Julolidine-Based Neutral Ultrafast Molecular Rotor with Natural DNA: Spectroscopic and Molecular Docking Studies. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9843-9853.	2.6	18

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19	Chiron approach towards the synthesis of (2S,3R)-3-hydroxyornithine, (2S,3R)-3-hydroxylysine and tetrahydroazepine core of (â€²)-balanol. <i>Tetrahedron</i> , 2016, 72, 4550-4555.	1.9	4
20	Tartrate/tripolyphosphate as co-crosslinker for water soluble chitosan used in protein antigens encapsulation. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 381-393.	7.5	16
21	Diosgenin Functionalized Iron Oxide Nanoparticles as Novel Nanomaterial Against Breast Cancer. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 9464-9472.	0.9	78
22	Diazaspiro-iminosugars and polyhydroxylated spiro-bisactams: synthesis, glycosidase inhibition and molecular docking studies. <i>RSC Advances</i> , 2015, 5, 52907-52915.	3.6	16
23	Azetidine- and N-carboxylic azetidine-iminosugars as amyloglucosidase inhibitors: synthesis, glycosidase inhibitory activity and molecular docking studies. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6634-6646.	2.8	16
24	Synthesis, conformational study, glycosidase inhibitory activity and molecular docking studies of dihydroxylated 4- and 5-amino-iminosugars. <i>Carbohydrate Research</i> , 2015, 408, 25-32.	2.3	7
25	Quaternary Indolizidine and Indolizidone Iminosugars as Potential Immunostimulating and Glycosidase Inhibitory Agents: Synthesis, Conformational Analysis, Biological Activity, and Molecular Docking Study. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7820-7832.	6.4	25
26	<sc>d</sc>-Glucose based synthesis of prolineâ€“serine Câ€“C linked central and right hand core of a kaitocephalin-a glutamate receptor antagonist. <i>RSC Advances</i> , 2015, 5, 81162-81167.	3.6	4
27	Multivalent presentation of carbohydrates by 3₁₄-helical peptide templates: synthesis, conformational analysis using CD spectroscopy and saccharide recognition. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11278-11285.	2.8	10
28	Halogenated d-xylono-Î²-lactams: synthesis and enzyme inhibition study. <i>Carbohydrate Research</i> , 2015, 402, 215-224.	2.3	11
29	Molecular architecture with carbohydrate functionalized Î²-peptides adopting 3₁₄-helical conformation. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 948-955.	2.2	4
30	Diosgenin from <i>Dioscorea bulbifera</i> : Novel Hit for Treatment of Type II Diabetes Mellitus with Inhibitory Activity against Î±-Amylase and Î±-Glucosidase. <i>PLoS ONE</i> , 2014, 9, e106039.	2.5	96
31	Î³-Hydroxyethyl piperidine iminosugar and N-alkylated derivatives: A study of their activity as glycosidase inhibitors and as immunosuppressive agents. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5776-5782.	3.0	11
32	Optimized Synthesis and Antimalarial Activity of 1,2â€“Dioxaneâ€“4â€“carboxamides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1607-1614.	2.4	15
33	Synthesis of 1,5-Dideoxy-1,5-iminoribitol C-Glycosides through a Nitroeneâ€“Olefin Cycloaddition Domino Strategy: Identification of Pharmacological Chaperones of Mutant Human Lysosomal Î²-Galactosidase. <i>Journal of Organic Chemistry</i> , 2014, 79, 4398-4404.	3.2	45
34	Synthesis of (2 <i>S</i> ,3 <i>R</i>)-3-amino-2-hydroxydecanoic acid and its enantiomer: a non-proteinogenic amino acid segment of the linear pentapeptide microginin. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 667-671.	2.2	5
35	Investigation and folding pattern of l-ido and d-gluco peptides by EASY ROESY NMR and X-ray. <i>RSC Advances</i> , 2013, 3, 23355.	3.6	0
36	Sugar furanoid trans-vicinal diacid as a Î³-turn inducer: synthesis and conformational study. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6874.	2.8	14

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37	Linear and cyclic glycopeptide as HIV protease inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2013, 60, 144-154.	5.5	9
38	Phytochemical Analysis and Free Radical Scavenging Activity of Medicinal Plants <i>Gnidia glauca</i> and <i>Dioscorea bulbifera</i> . <i>PLoS ONE</i> , 2013, 8, e82529.	2.5	70
39	Antidiabetic Activity of <i>Gnidia glauca</i> and <i>Dioscorea bulbifera</i> : Potent Amylase and Glucosidase Inhibitors. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-10.	1.2	78
40	Studies toward Oxyacetamide-Linked RNA Analogues: Synthesis and Conformation of a Modified Dinucleoside. <i>Synthesis</i> , 2012, 44, 2277-2286.	2.3	1
41	Synthesis of Protected 4-Amino- and 4-Azido-3-hydroxy-l-prolines from d-Glucose. <i>Synthesis</i> , 2012, 44, 2735-2738.	2.3	0
42	1,2-Geminal Dihydroxymethyl Piperidine and Pyrrolidine Iminosugars: Synthesis, Conformational Analysis, Glycosidase Inhibitory Activity, and Molecular Docking Studies. <i>Journal of Organic Chemistry</i> , 2012, 77, 7873-7882.	3.2	44
43	<i>Gnidia glauca</i> flower extract mediated synthesis of gold nanoparticles and evaluation of its chemocatalytic potential. <i>Journal of Nanobiotechnology</i> , 2012, 10, 17.	9.1	174
44	Synthesis of silver nanoparticles using <i>Dioscorea bulbifera</i> tuber extract and evaluation of its synergistic potential in combination with antimicrobial agents. <i>International Journal of Nanomedicine</i> , 2012, 7, 483.	6.7	288
45	Synthesis and molecular modelling studies of novel carbapeptide analogs for inhibition of HIV-1 protease. <i>European Journal of Medicinal Chemistry</i> , 2012, 53, 13-21.	5.5	16
46	Synthesis of an Adenine Nucleoside Containing the (8 <i>R</i>) Epimeric Carbohydrate Core of Amipurimycin and Its Biological Study. <i>Journal of Organic Chemistry</i> , 2011, 76, 2892-2895.	3.2	16
47	Chiron approach strategy to the bicyclic oxazolidinylpiperidine: a building block for preparing mono- and bi-cyclic iminosugars. <i>Tetrahedron Letters</i> , 2011, 52, 6363-6365.	1.4	6
48	Synthesis of new six- and seven-membered 1-N-iminosugars as promising glycosidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 5912-5915.	3.0	15
49	Synthesis of anomeric 1,5-anhydrosugars as conformationally locked selective 1,2-mannosidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6720-6725.	3.0	9
50	A New Robust and Efficient Ion-Tagged Proline Catalyst Carrying an Amide Spacer for the Asymmetric Aldol Reaction. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3234-3240.	4.3	27
51	Synthesis of C1- and C8 <i>a</i> -epimers of (+)-castanospermine from d-glucose derived 1,2,3,4-epoxyazide: intramolecular 5-endo epoxide opening approach. <i>Tetrahedron</i> , 2011, 67, 2773-2778.	1.9	19
52	Synthesis of Gold Nanoanisotrops Using <i>Dioscorea bulbifera</i> Tuber Extract. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-8.	2.7	66
53	Enantio- and Diastereocontrolled Total Synthesis of (+)-strictifolione. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6993-7004.	2.4	21
54	Synthesis of eight-membered iminocyclitols from d-glucose. <i>Tetrahedron</i> , 2010, 66, 2830-2834.	1.9	4

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55	Concise and practical route to tri- and tetra-hydroxy seven-membered iminocyclitols as glycosidase inhibitors from d-(+)-glucurono- β -lactone. <i>Tetrahedron</i> , 2010, 66, 8522-8526.	1.9	16
56	Synthesis of azepane and nojirimycin iminosugars: the Sharpless asymmetric epoxidation of d-glucose-derived allyl alcohol and highly regioselective epoxide ring opening using sodium azide. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 163-170.	1.8	16
57	An organocatalytic route to the synthesis of lactone moiety of compactin and mevinolin. <i>Tetrahedron Letters</i> , 2010, 51, 5838-5839.	1.4	6
58	Total synthesis of natural cis-3-hydroxy-l-proline from d-glucose. <i>Tetrahedron Letters</i> , 2010, 51, 6745-6747.	1.4	15
59	Synthesis, computational study and glycosidase inhibitory activity of polyhydroxylated conidine alkaloids—a bicyclic iminosugar. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3307.	2.8	50
60	Highly Diastereoselective 1,3-Dipolar Cycloaddition of a d-Galactose-Derived Nitron with Dimethyl Maleate: Synthesis of Polyhydroxylated PerhydroazaAzulenes. <i>Synlett</i> , 2009, 2009, 1959-1963.	1.8	0
61	Rhodium Carbenoid Induced [1,2]-Migration in an l-Lyxo-Configured β -Diazo β -Keto Ester: Synthesis of a New Griseolic Acid Analogue. <i>Synthesis</i> , 2009, 2009, 2423-2429.	2.3	0
62	Catechuic acid and ethyl 2,4,5-trihydroxybenzoate from d-glucose. <i>Carbohydrate Research</i> , 2009, 344, 734-738.	2.3	2
63	Stereo-controlled approach to pyrrolidine iminosugar C-glycosides and 1,4-dideoxy-1,4-imino-l-allitol using a d-mannose-derived cyclic nitron. <i>Tetrahedron Letters</i> , 2009, 50, 6906-6908.	1.4	15
64	Synthesis and Conformational Study of Chiral Oxepines: The Baylis-Hillman Reaction and RCM Approach with Sugar Aldehyde. <i>Journal of Organic Chemistry</i> , 2009, 74, 6486-6494.	3.2	11
65	Synthesis of five and six membered aminocyclitols: stereoselective Michael and Henry reaction approach with d-glucose derived β , β -unsaturated ester. <i>Tetrahedron</i> , 2008, 64, 9574-9580.	1.9	16
66	Protonated arginine and lysine as catalysts for the direct asymmetric aldol reaction in ionic liquids. <i>Tetrahedron</i> , 2008, 64, 9203-9207.	1.9	53
67	Synthesis of β -Hydroxyalkyl Substituted Piperidine Iminosugars from D-Glucose. <i>Journal of Organic Chemistry</i> , 2008, 73, 3284-3287.	3.2	19
68	Efficient synthesis of (+)-1,8,8a-tri-epi-swainsonine, (+)-1,2-di-epi-lentiginosine, (+)-9a-epi-homocastanospermine and (β)-9-deoxy-9a-epi-homocastanospermine from a d-glucose-derived aziridine carboxylate, and study of their glycosidase inhibitory activities. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 703.	2.8	41
69	Chiron Approach to the Synthesis of (2S,3R)-3-Hydroxypipercolic Acid and (2R,3R)-3-Hydroxy-2-hydroxymethylpiperidine from d-Glucose. <i>Journal of Organic Chemistry</i> , 2008, 73, 3619-3622.	3.2	37
70	Rh(II)-Catalyzed Intramolecular N-H Insertion of d-Glucose-Derived β -Amino β -Diazo β -Ketoester: Synthesis of Pyrrolidine Iminosugars. <i>Synlett</i> , 2007, 2007, 0559-0562.	1.8	2
71	Facile Method for Trimethylsilylation of Alcohols using Hexamethyldisilazane and Ammonium Thiocyanate under Neutral Conditions. <i>Synthetic Communications</i> , 2007, 37, 1363-1370.	2.1	15
72	Synthesis of 1-Deoxy-1-hydroxymethyl- and 1-Deoxy-1-epi-hydroxymethyl Castanospermine as New Potential Immunomodulating Agents. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5519-5523.	6.4	38

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73	Synthesis and Glycosidase Inhibitory Studies of Pentahydroxyindolizidines: <scp>D</scp>â€Glucoseâ€Derived Aziridineâ€2â€Carboxylate Approach. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4895-4901.	2.4	16
74	Intra-molecular nitroné“olefin cycloaddition of d-glucose derived allylic alcohol: synthesis of new aminocyclohexitols. <i>Tetrahedron</i> , 2007, 63, 11984-11990.	1.9	18
75	1,3-Dipolar cycloaddition reaction of a d-galactose derived nitroné with allyl alcohol: synthesis of polyhydroxylated perhydroazaazulene alkaloids. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1176-1182.	1.8	17
76	Synthesis of tetrahydroxy perhydroaza-azulenes: tandem Johnsonâ€Claisen rearrangement of d-glucose-derived allylic alcohols. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2549-2555.	2.8	15
77	Intramolecular 5-endo-Trig Aminomercuration of Î²-Hydroxy-Î³-alkenylamines:â€% Efficient Route to a Pyrrolidine Ring and Its Application for the Synthesis of (+)-Castanospermine and Analogues. <i>Journal of Organic Chemistry</i> , 2006, 71, 4667-4670.	3.2	60
78	Polyhydroxylated homoazepanes and 1-deoxy-homonojirimycin analogues: synthesis and glycosidase inhibition study. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3675.	2.8	12
79	Synthesis of Pentahydroxy Indolizidine Alkaloids Using Ring Closing Metathesis:Â Attempts To Find the Correct Structure of Uniflorine A. <i>Journal of Organic Chemistry</i> , 2006, 71, 6273-6276.	3.2	41
80	Synthesis and evaluation of glycosidase inhibitory activity of N-butyl 1-deoxy-d-gluco-homonojirimycin and N-butyl 1-deoxy-l-ido-homonojirimycin. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 5535-5539.	3.0	20
81	Synthesis of (âˆ)â€lentiginosine, its 8a-epimer and dihydroxylated pyrrolizidine alkaloid from d-glucose. <i>Tetrahedron</i> , 2006, 62, 4349-4354.	1.9	31
82	Short and efficient synthesis of (2S,3R,4R,5R) and (2S,3R,4R,5S)-tetrahydroxyazepanes via the Henry reaction. <i>Carbohydrate Research</i> , 2006, 341, 912-917.	2.3	8
83	3-Bromo-propenyl acetate in organic synthesis: an expeditious route to 3-alkyl-4-acetoxy-5-iodomethyl isoxazolidines. <i>Tetrahedron Letters</i> , 2005, 46, 3789-3792.	1.4	12
84	Piperidine Homoazasugars: Natural Occurrence, Synthetic Aspects and Biological Activity Study. <i>ChemInform</i> , 2005, 36, no.	0.0	1
85	3-Bromo-propenyl Acetate in Organic Synthesis: An Expeditious Route to 3-Alkyl-4-acetoxy-5-iodomethyl Isoxazolidines.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
86	The 5-Endo-trig Cyclization of D-Glucose Derived Î³-Alkenylamines with Mercury (II) Salts: Synthesis of 1-Deoxycastanospermine and its 8a-epi-Analogueâ€. <i>Molecules</i> , 2005, 10, 893-900.	3.8	14
87	An Efficient Synthesis of d-erythro- and d-threo-Sphingosine from d-Glucose:â€% Olefin Cross-Metathesis Approach. <i>Organic Letters</i> , 2005, 7, 5805-5807.	4.6	53
88	1,3-Dipolar Cycloaddition Reaction of d-Glucose-Derived Nitroné with Allyl Alcohol:Â Synthesis of 2-Hydroxy-1-deoxycastanospermine Analogues. <i>Journal of Organic Chemistry</i> , 2005, 70, 1356-1363.	3.2	48
89	Synthesis and evaluation of the glycosidase inhibitory activity of 5-hydroxy substituted isofagomine analogues. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1702.	2.8	25
90	Aziridine carboxylate from d-glucose: synthesis of polyhydroxylated piperidine, pyrrolidine alkaloids and study of their glycosidase inhibition. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3720.	2.8	27

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91	Chiron approaches to polyhydroxylated piperidines: promising glycosidase inhibitors. <i>Arkivoc</i> , 2005, 2002, 91-105.	0.5	10
92	An Efficient Synthesis of Trihydroxy Quinolizidine Alkaloids Using Ring-Closing Metathesis. <i>Synlett</i> , 2004, 2004, 1549-1552.	1.8	16
93	Synthesis of trihydroxy quinolizidine alkaloids: 1,3-addition reaction of allylmagnesium bromide to a sugar nitron. <i>Tetrahedron</i> , 2004, 60, 3009-3016.	1.9	25
94	Synthesis and evaluation of glycosidase inhibitory activity of octahydro-2H-pyrido[1,2-a]pyrimidine and octahydro-imidazo[1,2-a]pyridine bicyclic diazasugars. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 4039-4044.	3.0	38
95	The intramolecular conjugate addition of benzylamine to a d-glucose derived $\hat{1}\pm, \hat{1}^2$ -unsaturated ester: an efficient synthesis of trihydroxylated pyrrolidine alkaloids as potential glycosidase inhibitors. <i>Tetrahedron Letters</i> , 2004, 45, 8363-8366.	1.4	17
96	Selective sulfonylation of 4-C-hydroxymethyl- $\hat{1}^2$ -l-threo-pento-1,4-furanose: synthesis of bicyclic diazasugars. <i>Tetrahedron</i> , 2004, 60, 4275-4281.	1.9	26
97	Asymmetric Dihydroxylation of d-Glucose Derived $\hat{1}\pm, \hat{1}^2$ -Unsaturated Ester: Synthesis of Azepane and Nojirimycin Analogues. <i>Journal of Organic Chemistry</i> , 2004, 69, 4760-4766.	3.2	71
98	An Exeditious Synthesis of a (3S,4S,5R)-Trihydroxyazepane.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
99	An expeditious synthesis of a (3S,4S,5R)-trihydroxyazepane. <i>Tetrahedron Letters</i> , 2003, 44, 7321-7323.	1.4	21
100	Concise and practical synthesis of (2S,3R,4R,5R) and (2S,3R,4R,5S)-1,6-dideoxy-1,6-iminosugars. <i>Tetrahedron</i> , 2003, 59, 1873-1876.	1.9	30
101	N-Hydroxyethyl-piperidine and -pyrrolidine homoazasugars: preparation and evaluation of glycosidase inhibitory activity. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 3295-3305.	3.0	23
102	Synthesis of Griseolic Acid Analogues: Regioselective $\hat{1}\pm$ -Facial [1,2]-Migration in the Rhodium Acetate Catalyzed Reaction of d-Glucose Derived $\hat{1}\pm$ -Diazo- $\hat{1}^2$ -keto Ester. <i>Journal of Organic Chemistry</i> , 2003, 68, 4531-4534.	3.2	17
103	1-Aza-sugars from d -glucose. Preparation of 1-deoxy-5-dehydroxymethyl-nojirimycin, its analogues and evaluation of glycosidase inhibitory activity. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 2155-2160.	3.0	49
104	Electronic Effects in Migratory Groups. [1,4]- versus [1,2]-Rearrangement in Rhodium Carbenoid Generated Bicyclic Oxonium Ylides. <i>Journal of Organic Chemistry</i> , 2001, 66, 6323-6332.	3.2	33
105	Intermolecular Michael Addition of Substituted Amines to a Sugar-Derived $\hat{1}\pm, \hat{1}^2$ -Unsaturated Ester: Synthesis of 1-Deoxy-d-gluco- and -l-ido-homonojirimycin, 1-Deoxy-castanospermine and 1-Deoxy-8a-epi-castanospermine. <i>Journal of Organic Chemistry</i> , 2001, 66, 1065-1074.	3.2	82
106	Stereocontrolled 1,3-addition reaction of silyl ketene acetal to sugar nitron: synthesis of d -gluco-homo-1-deoxynojirimycin and l -ido-homo-1-deoxynojirimycin. <i>Tetrahedron</i> , 2001, 57, 39-46.	1.9	33
107	A short and efficient synthesis of 1-deoxy-castanospermine and 1-deoxy-8a-epi-castanospermine. <i>Tetrahedron Letters</i> , 2001, 42, 747-749.	1.4	24
108	[1,3]-Dipolar intramolecular nitron olefin cycloaddition reaction of a sugar-derived $\hat{1}\pm, \hat{1}^2$ -unsaturated ester: a new diastereo- and regioselective synthesis of an aminocyclopentitol. <i>Tetrahedron Letters</i> , 2001, 42, 4925-4928.	1.4	17

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109	Microscale experiments in chemistry – The need of the new millennium. <i>Resonance</i> , 2000, 5, 24-31.	0.3	3
110	Synthesis of C1-C6 Segment of Carbonolide B: Wolff Rearrangement of Sugar α -Diazo Ketones. <i>Synthesis</i> , 2000, 2000, 395-398.	2.3	14
111	An unusual observation in the rhodium carbenoids: [1,4]-migration in the sugar-derived α -diazo- β -ketoesters. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 147-151.	1.3	8
112	Organic Chemistry in Capillaries. <i>Journal of Chemical Education</i> , 2000, 77, 387.	2.3	2
113	Intramolecular Michael addition of benzylamine to sugar derived α,β -unsaturated ester: a new diastereoselective synthesis of a higher homologue of 1-deoxy-L-ido-nojirimycin. <i>Chemical Communications</i> , 1999, , 1719-1720.	4.1	17
114	A Synthesis of New Coumarin-C-Glycosyl Derivatives. <i>Journal of Organic Chemistry</i> , 1999, 64, 1715-1719.	3.2	19
115	A Stereoselective Synthesis of 1,6-Dideoxynojirimycin by Double-Reductive Amination of Dicarboxyl Sugar. <i>Journal of Organic Chemistry</i> , 1997, 62, 7482-7484.	3.2	45
116	A new route to aminosugars from sugar nitrones: synthesis of 6-deoxynojirimycin. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 1475-1486.	1.8	35
117	Regioselective addition of 1-trimethylsilyloxy-1-methoxy-1,3-dienes to aldonitrones catalysed by trimethylsilyl triflate. <i>Tetrahedron Letters</i> , 1995, 36, 7293-7296.	1.4	27
118	Sugar β -ketoesters: new chirons in the synthesis of 6-deoxyheptulosurono-7,4-lactones. <i>Carbohydrate Research</i> , 1994, 263, 303-307.	2.3	15
119	Trimethylsilyl trifluoromethanesulfonate-promoted cycloaddition of nitrones with silyl enol ethers: synthesis and reactivity of 5-siloxyisoxazolidines. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 3157.	0.9	31
120	Trimethylsilyl trifluoromethanesulfonate promoted [3 + 2] dipolar cycloaddition of nitrones and silyl enol ethers: an efficient route to 5-siloxyisoxazolidines. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 1268.	2.0	22
121	Iodocyclization of Homoallylic Hydroxylamines Derived from D-Glyceraldehyde. <i>Liebigs Annalen Der Chemie</i> , 1992, 1992, 1289-1295.	0.8	38
122	Trimethylsilyl Triflate-promoted [2+3] Dipolar Cycloaddition of Nitrones with Allyltrimethylsilane. <i>Heterocycles</i> , 1992, 34, 2253.	0.7	21
123	New chirons from D-glucose. Regio- and diastereoselective carbon-carbon bond-forming reactions exploiting novel aldotetrofuranose acetates as chiral synthetic equivalents of tartaric aldehydes. <i>Journal of Organic Chemistry</i> , 1989, 54, 4100-4105.	3.2	18
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125	Flavanoids. Part 6. The kinetics and mechanism of base-catalysed isomerisation of 3-arylidene flavanones. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1987, , 449.	0.9	7