

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

48
g-index

137
all docs

137
docs citations

137
times ranked

3216
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	<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
3	Diosgenin from <i>Dioscorea bulbifera</i> : Novel Hit for Treatment of Type II Diabetes Mellitus with Inhibitory Activity against α -Amylase and α -Glucosidase. <i>PLoS ONE</i> , 2014, 9, e106039.	2.5	96
4	Intermolecular Michael Addition of Substituted Amines to a Sugar-Derived α,β -Unsaturated Ester: α -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
5	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
6	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
7	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
8	Asymmetric Dihydroxylation of d-Glucose Derived α,β -Unsaturated Ester: α -Synthesis of Azepane and Nojirimycin Analogues. <i>Journal of Organic Chemistry</i> , 2004, 69, 4760-4766.	3.2	71
9	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
10	Synthesis of Gold Nanoanisotrops Using <i>Dioscorea bulbifera</i> Tuber Extract. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-8.	2.7	66
11	Intramolecular 5-endo-Trig Aminomercuration of β -Hydroxy- γ -alkenylamines: α -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
12	An Efficient Synthesis of d-erythro- and d-threo-Sphingosine from d-Glucose: α -Olefin Cross-Metathesis Approach. <i>Organic Letters</i> , 2005, 7, 5805-5807.	4.6	53
13	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
14	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
15	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
16	1,3-Dipolar Cycloaddition Reaction of d-Glucose-Derived Nitron with Allyl Alcohol: α -Synthesis of 2-Hydroxy-1-deoxycastanospermine Analogues. <i>Journal of Organic Chemistry</i> , 2005, 70, 1356-1363.	3.2	48
17	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
18	Synthesis of 1,5-Dideoxy-1,5-iminoribitol C-Glycosides through a Nitron-Olefin Cycloaddition Domino Strategy: Identification of Pharmacological Chaperones of Mutant Human Lysosomal β -Galactosidase. <i>Journal of Organic Chemistry</i> , 2014, 79, 4398-4404.	3.2	45

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19	Î±-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
20	Synthesis of Pentahydroxy Indolizidine Alkaloids Using Ring Closing Metathesis: Attempts To Find the Correct Structure of Uniflorine A. <i>Journal of Organic Chemistry</i> , 2006, 71, 6273-6276.	3.2	41
21	Efficient synthesis of (+)-1,8,8a-tri-epi-swainsonine, (+)-1,2-di-epi-lentiginosine, (+)-9a-epi-homocastanospermine and (âˆš)-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
22	Iodocyclization of Homoallylic Hydroxylamines Derived from D-Glyceraldehyde. <i>Liebigs Annalen Der Chemie</i> , 1992, 1992, 1289-1295.	0.8	38
23	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
24	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
25	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
26	A new route to aminosugars from sugar nitrones: synthesis of 6-deoxyojirimycin. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 1475-1486.	1.8	35
27	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
28	Stereocontrolled 1,3-addition reaction of silyl ketene acetal to sugar nitrone: synthesis of d-gluco-homo-1-deoxyojirimycin and l-ido-homo-1-deoxyojirimycin. <i>Tetrahedron</i> , 2001, 57, 39-46.	1.9	33
29	Trimethylsilyl trifluoromethanesulfonate-promoted cycloaddition of nitrones with silyl enol ethers: synthesis and reactivity of 5-siloxyisoxazohdines. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 3157.	0.9	31
30	Synthesis of (âˆš)-lentiginosine, its 8a-epimer and dihydroxylated pyrrolizidine alkaloid from d-glucose. <i>Tetrahedron</i> , 2006, 62, 4349-4354.	1.9	31
31	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
32	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
33	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
34	A New Robust and Efficient Ionâ€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
35	Selective sulfonylation of 4-C-hydroxymethyl-Î²-l-threo-pento-1,4-furanose: synthesis of bicyclic diazasugars. <i>Tetrahedron</i> , 2004, 60, 4275-4281.	1.9	26
36	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

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37	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
38	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
39	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
40	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
41	Novel synthetic equivalents of differentially protected tartaric aldehydes. A simple route to useful c-4 chiral synthons.. <i>Tetrahedron Letters</i> , 1988, 29, 6163-6165.	1.4	23
42	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
43	Trimethylsilyl trifluoromethanesulfonate promoted [3 + 2] dipolar cycloaddition of nitrones and silyl enol ethers: an efficient route to 5-siloxyisoxazolines. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 1268.	2.0	22
44	Self-Assembly of Fluorinated Sugar Amino Acid Derived Î±,Î²-Cyclic Peptides into Transmembrane Anion Transport. <i>Organic Letters</i> , 2017, 19, 5948-5951.	4.6	22
45	An expeditious synthesis of a (3S,4S,5R)-trihydroxyazepane. <i>Tetrahedron Letters</i> , 2003, 44, 7321-7323.	1.4	21
46	Enantio- and Diastereocontrolled Total Synthesis of (+)-Strictifolione. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6993-7004.	2.4	21
47	Purification and Characterization of an Active Principle, Lawsonine, Responsible for the Plasmid Curing Activity of <i>Plumbago zeylanica</i> Root Extracts. <i>Frontiers in Microbiology</i> , 2018, 9, 2618.	3.5	21
48	Trimethylsilyl Triflate-promoted [2+3] Dipolar Cycloaddition of Nitrones with Allyltrimethylsilane. <i>Heterocycles</i> , 1992, 34, 2253.	0.7	21
49	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
50	A Synthesis of New Coumarin-C-Glycosyl Derivatives. <i>Journal of Organic Chemistry</i> , 1999, 64, 1715-1719.	3.2	19
51	Synthesis of Î²-Hydroxyalkyl Substituted Piperidine Iminosugars from D-Glucose. <i>Journal of Organic Chemistry</i> , 2008, 73, 3284-3287.	3.2	19
52	Synthesis of C1- and C8a-epimers of (+)-castanospermine from d-glucose derived Î²,Î³-epoxyazide: intramolecular 5-endo epoxide opening approach. <i>Tetrahedron</i> , 2011, 67, 2773-2778.	1.9	19
53	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
54	Intra-molecular nitron-olefin cycloaddition of d-glucose derived allylic alcohol: synthesis of new aminocyclohexitols. <i>Tetrahedron</i> , 2007, 63, 11984-11990.	1.9	18

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55	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
56	Intramolecular Michael addition of benzylamine to sugar derived $\hat{1}\pm, \hat{1}^2$ -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
57	[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
58	Synthesis of Griseolic Acid Analogues: $\hat{1}\pm$ 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
59	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
60	1,3-Dipolar cycloaddition reaction of a d-galactose derived nitron with allyl alcohol: synthesis of polyhydroxylated perhydroazaazulene alkaloids. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1176-1182.	1.8	17
61	An Efficient Synthesis of Trihydroxy Quinolizidine Alkaloids Using Ring-Closing Metathesis. <i>Synlett</i> , 2004, 2004, 1549-1552.	1.8	16
62	Synthesis and Glycosidase Inhibitory Studies of Pentahydroxyindolizidines: $\hat{1}\pm$ -Glucose-Derived Aziridine- $\hat{1}^2$ -Carboxylate Approach. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4895-4901.	2.4	16
63	Synthesis of five and six membered aminocyclitols: stereoselective Michael and Henry reaction approach with d-glucose derived $\hat{1}\pm, \hat{1}^2$ -unsaturated ester. <i>Tetrahedron</i> , 2008, 64, 9574-9580.	1.9	16
64	Concise and practical route to tri- and tetra-hydroxy seven-membered iminocyclitols as glycosidase inhibitors from d-(+)-glucurono- $\hat{1}^3$ -lactone. <i>Tetrahedron</i> , 2010, 66, 8522-8526.	1.9	16
65	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
66	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
67	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
68	Diazaspiro-iminosugars and polyhydroxylated spiro-bislactams: synthesis, glycosidase inhibition and molecular docking studies. <i>RSC Advances</i> , 2015, 5, 52907-52915.	3.6	16
69	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
70	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
71	Insights into the Inhibition Mechanism of Human Pancreatic $\hat{1}\pm$ -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
72	Sugar $\hat{1}^2$ -ketoesters: new chirons in the synthesis of 6-deoxyheptulosurono-7,4-lactones. <i>Carbohydrate Research</i> , 1994, 263, 303-307.	2.3	15

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73	Synthesis of tetrahydroxy perhydroaza-azulenes: tandem Johnsonâ€œClaisen rearrangement of d-glucose-derived allylic alcohols. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2549-2555.	2.8	15
74	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
75	Stereo-controlled approach to pyrrolidine iminosugar C-glycosides and 1,4-dideoxy-1,4-imino-l-allitol using a d-mannose-derived cyclic nitrone. <i>Tetrahedron Letters</i> , 2009, 50, 6906-6908.	1.4	15
76	Total synthesis of natural cis-3-hydroxy-l-proline from d-glucose. <i>Tetrahedron Letters</i> , 2010, 51, 6745-6747.	1.4	15
77	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
78	Optimized Synthesis and Antimalarial Activity of 1,2â€œDioxaneâ€œ4â€œcarboxamides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1607-1614.	2.4	15
79	Synthesis of C1-C6 Segment of Carbonolide B: Wolff Rearrangement of Sugar 1-Diazo Ketones. <i>Synthesis</i> , 2000, 2000, 395-398.	2.3	14
80	The 5-Endo-trig Cyclization of D-Glucose Derived 1-Alkenylamines with Mercury (II) Salts: Synthesis of 1-Deoxycastanospermine and its 8a-epi-Analogueâ€œ. <i>Molecules</i> , 2005, 10, 893-900.	3.8	14
81	Sugar furanoid trans-vicinal diacid as a 1-turn inducer: synthesis and conformational study. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6874.	2.8	14
82	Acyclic 1-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
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	Polyhydroxylated homoazepanes and 1-deoxy-homonojirimycin analogues: synthesis and glycosidase inhibition study. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3675.	2.8	12
85	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
86	Synthesis and Conformational Study of Chiral Oxepines: The Baylisâ€œHillman Reaction and RCM Approach with Sugar Aldehyde. <i>Journal of Organic Chemistry</i> , 2009, 74, 6486-6494.	3.2	11
87	1-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
88	Halogenated d-xylono-1-lactams: synthesis and enzyme inhibition study. <i>Carbohydrate Research</i> , 2015, 402, 215-224.	2.3	11
89	Multivalent presentation of carbohydrates by 3 ₁₄ -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
90	1-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

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91	Chiron approaches to polyhydroxylated piperidines: promising glycosidase inhibitors. <i>Arkivoc</i> , 2005, 2002, 91-105.	0.5	10
92	Synthesis of anomeric 1,5-anhydrosugars as conformationally locked selective α -mannosidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6720-6725.	3.0	9
93	Linear and cyclic glycopeptide as HIV protease inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2013, 60, 144-154.	5.5	9
94	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
95	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
96	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
97	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
98	Synthesis of the C8 TM -epimeric thymine pyranosyl amino acid core of amipurimycin. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1765-1771.	2.2	8
99	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
100	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
101	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
102	gem-Disubstituent Effect in Rate Acceleration of Intramolecular Alkyne-Azide Cycloaddition Reaction. <i>Tetrahedron</i> , 2017, 73, 365-372.	1.9	7
103	An organocatalytic route to the synthesis of lactone moiety of compactin and mevinolin. <i>Tetrahedron Letters</i> , 2010, 51, 5838-5839.	1.4	6
104	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
105	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
106	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
107	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
108	Synthesis of eight-membered iminocyclitols from d-glucose. <i>Tetrahedron</i> , 2010, 66, 2830-2834.	1.9	4

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109	Molecular architecture with carbohydrate functionalized β^2 -peptides adopting 3_14 -helical conformation. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 948-955.	2.2	4
110	α -Glucose based synthesis of proline-serine 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
111	Chiron approach towards the synthesis of (2S,3R)-3-hydroxyornithine, (2S,3R)-3-hydroxylysine and tetrahydroazepine core of (α)-balanol. <i>Tetrahedron</i> , 2016, 72, 4550-4555.	1.9	4
112	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
113	Microscale experiments in chemistry – The need of the new millennium. <i>Resonance</i> , 2000, 5, 24-31.	0.3	3
114	Organic Chemistry in Capillaries. <i>Journal of Chemical Education</i> , 2000, 77, 387.	2.3	2
115	Rh(II)-Catalyzed Intramolecular N-H Insertion of d-Glucose-Derived β^1 -Amino β^2 -Diazo β^2 -Ketoester: Synthesis of Pyrrolidine Iminosugars. <i>Synlett</i> , 2007, 2007, 0559-0562.	1.8	2
116	Catechuic acid and ethyl 2,4,5-trihydroxybenzoate from d-glucose. <i>Carbohydrate Research</i> , 2009, 344, 734-738.	2.3	2
117	Piperidine Homoazasugars: Natural Occurrence, Synthetic Aspects and Biological Activity Study. <i>ChemInform</i> , 2005, 36, no.	0.0	1
118	Studies toward Oxyacetamide-Linked RNA Analogues: Synthesis and Conformation of a Modified Dinucleoside. <i>Synthesis</i> , 2012, 44, 2277-2286.	2.3	1
119	Sugar-derived oxazolone pseudotetrapeptide as β^3 -turn inducer and anion-selective transporter. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2419-2427.	2.2	1
120	An Expeditious Synthesis of a (3S,4S,5R)-Trihydroxyazepane.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
121	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
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124	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
125	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