

Mohan Das Thangamuthu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Rational Design of Heterocyclic Moieties Incorporated in [1,2,3]Sugar-Triazole Derivatives for Antioxidant Studies. <i>ChemistrySelect</i> , 2021, 6, 9955-9959.	1.5	6
2	Sugar-benzohydrazide based phase selective gelators for marine oil spill recovery and removal of dye from polluted water. <i>Carbohydrate Research</i> , 2019, 481, 60-66.	2.3	18
3	Insights into a novel class of azobenzenes incorporating 4,6-O-protected sugars as photo-responsive organogelators. <i>RSC Advances</i> , 2019, 9, 42219-42227.	3.6	2
4	Self-assembly of sugar based glyco-lipids: Gelation studies of partially protected d-glucose derivatives. <i>Materials Science and Engineering C</i> , 2018, 93, 776-781.	7.3	7
5	Design and synthesis of sugar-benzohydrazides: low molecular weight organogelators. <i>RSC Advances</i> , 2016, 6, 81838-81846.	3.6	8
6	An Easy Access to the Synthesis of Sugar-Based N-Methylpyrrolidine via [3 + 2] Cycloaddition Methodology. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 313-318.	2.6	4
7	Introduction of an α,β -unsaturated carbonyl conjugated pyrene-lactose hybrid as a fluorescent molecular probe for micro-scale anisotropic media. <i>RSC Advances</i> , 2016, 6, 27933-27943.	3.6	8
8	Design, synthesis and metal sensing studies of ether-linked bis-triazole derivatives. <i>New Journal of Chemistry</i> , 2015, 39, 3777-3784.	2.8	13
9	Synthesis and evaluation of a glucose attached pyrene, as a fluorescent molecular probe in sugar and non-sugar based micro-heterogeneous media. <i>RSC Advances</i> , 2015, 5, 64604-64613.	3.6	6
10	Design and synthesis of sugar-triazole based uracil appended sugar-imine derivatives – an application in DNA binding studies. <i>New Journal of Chemistry</i> , 2015, 39, 4575-4582.	2.8	9
11	Bis-triazologlycolipid mimetics – low molecular weight organogelators. <i>New Journal of Chemistry</i> , 2014, 38, 3015-3021.	2.8	10
12	Self-assembly of novel benzimidazole N-glycosylamines into nanofibers and nanospheres. <i>New Journal of Chemistry</i> , 2014, 38, 2874-2883.	2.8	10
13	Exploration, synthesis and studies of gel forming simple sugar-chalcone derivatives. <i>RSC Advances</i> , 2014, 4, 41010-41016.	3.6	8
14	Studies on the synthesis of a sugar triazole based ligand for protein and DNA binding. <i>RSC Advances</i> , 2014, 4, 34189-34198.	3.6	6
15	Synthesis and Antioxidant Properties of Novel Fluorescein-Based Quinoline Glycoconjugates. <i>Journal of Carbohydrate Chemistry</i> , 2014, 33, 137-151.	1.1	9
16	One-pot synthesis of fluorescein based β -aminoglycosylketones and their biological and material applications. <i>RSC Advances</i> , 2014, 4, 42538-42545.	3.6	5
17	Synthesis of novel benzimidazole-carbazole-N-glycosylamines and their self-assembly into nanofibers. <i>New Journal of Chemistry</i> , 2014, 38, 4371-4379.	2.8	12
18	Synthesis, characterization and gelation studies of a novel class of rhodamine based N-glycosylamines. <i>RSC Advances</i> , 2014, 4, 30976.	3.6	10

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19	A concise pathway to synthesize a novel class of pyrido(2,3-d)pyrimidine-C- β -d-glycosides. Carbohydrate Research, 2013, 368, 40-46.	2.3	6
20	Synthesis and antioxidant activity of a novel class of fluorescein-based β -C-glycosides. Carbohydrate Research, 2013, 379, 38-42.	2.3	8
21	Design and synthesis of sugar-triazole low molecular weight gels as mercury ion sensor. New Journal of Chemistry, 2013, 37, 2419.	2.8	38
22	Studies on a novel class of triaryl pyridine N-glycosylamine amphiphiles as super gelators. Organic and Biomolecular Chemistry, 2012, 10, 2077.	2.8	22
23	A facile one-pot synthesis of biphenyl methyl-C- β -d-glycosides. Carbohydrate Research, 2012, 357, 139-142.	2.3	8
24	Synthesis and Properties of Amphiphilic Photoresponsive Gelators for Aromatic Solvents. Organic Letters, 2012, 14, 748-751.	4.6	100
25	A novel class of sugar-based ether-linked-dispirooxindolo-pyrrolidines/pyrrolizidines through [3+2]-cycloaddition of azomethine ylides. Carbohydrate Research, 2012, 352, 12-17.	2.3	12
26	Stereoselective synthesis of sugar-based β -lactam derivatives: docking studies and its biological evaluation. Tetrahedron, 2012, 68, 3037-3045.	1.9	20
27	Design, synthesis, and biological evaluation of a novel class of fluorescein-based N-glycosylamines. Carbohydrate Research, 2011, 346, 1776-1785.	2.3	17
28	A facile synthesis of sugar-pyrazole derivatives. Carbohydrate Research, 2011, 346, 1814-1819.	2.3	20
29	Synthesis of quinoline coupled [1,2,3]-triazoles as a promising class of anti-tuberculosis agents. Carbohydrate Research, 2011, 346, 2084-2090.	2.3	80
30	FACE-selective fluorogenic cycloaddition reaction between coumarin azides and sugar terminal alkynes: an experimental and computational study. Carbohydrate Research, 2011, 346, 2327-2336.	2.3	25
31	Studies on the synthesis and the antimicrobial and antioxidant activities of a novel class of fluorescein-based glycosides. Carbohydrate Research, 2011, 346, 2362-2367.	2.3	12
32	Synthesis of quinoline-based glycoconjugates: a facile one-pot three-component reaction. Carbohydrate Research, 2011, 346, 728-732.	2.3	12
33	Studies on the synthesis of ether-, substituted alkyl-, or aryl-linked C-disaccharide derivatives. Carbohydrate Research, 2011, 346, 722-727.	2.3	9
34	An Easy Access to Novel Sugar-Based Spirooxindole-pyrrolidines or -pyrrolizidines through [3+2] Cycloaddition of Azomethine Ylides. Synthesis, 2011, 2011, 2495-2504.	2.3	4
35	On the Use of Glycosylated Single-Walled Carbon Nanotubes as a Coolant Additive. Nanoscience and Nanotechnology Letters, 2011, 3, 477-482.	0.4	5
36	Regioselective facile one-pot FriedlÄnder synthesis of sugar-based heterocyclic biomolecules. Carbohydrate Research, 2010, 345, 1988-1997.	2.3	20

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37	Structural and DNA cleavage of sugar-derived Schiff base ligands and their dinuclear Cu(II) complexes. Carbohydrate Research, 2010, 345, 1077-1083.	2.3	9
38	Synthesis and antioxidant activity of a novel class of 4,6-O-protected O-glycosides and their utility in disaccharide synthesis. Carbohydrate Research, 2010, 345, 1649-1657.	2.3	20
39	Expedient synthesis of coumarin-coupled triazoles via "click chemistry"™ leading to the formation of coumarin-triazole-sugar hybrids. Carbohydrate Research, 2010, 345, 2297-2304.	2.3	26
40	Protecting group/halogen effect of N-glycosylamines on the self assembly of organogelator. New Journal of Chemistry, 2010, 34, 123-131.	2.8	18
41	Facile one-pot synthesis of sugar-quinoline derivatives. Carbohydrate Research, 2009, 344, 1028-1031.	2.3	34
42	A sugar-pyrene-based fluorescent gelator: nanotubular architecture and interaction with SWCNTs. New Journal of Chemistry, 2009, 33, 2391.	2.8	36
43	Design, synthesis and gelation studies of 4,6-O-butyldiene-1,2-unsaturated-2-C-glycosidic ketones: application to plant tissue culture. Journal of Materials Chemistry, 2009, 19, 4587.	6.7	39
44	Novel saccharide-pyridine based gelators: selective gelation and diversity in superstructures. New Journal of Chemistry, 2009, 33, 1570.	2.8	30
45	Interaction of metal ions with d-glucobenzothiazoline: isolation and characterization of the resultant products. Carbohydrate Research, 2002, 337, 289-296.	2.3	6
46	Interaction of metal ions with N-glycosylamines: isolation and characterization of the products of 4,6-O-benzylidene-N-(o-carboxyphenyl)-1,2-d-glucopyranosylamine with different metal ions. Carbohydrate Research, 2001, 335, 151-158.	2.3	11