

Tavarekere K Chandrashekar

List of Publications by Year in descending order

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56
papers

2,523
citations

218677

26
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189892

50
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56
all docs

56
docs citations

56
times ranked

1513
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverted and fused expanded heteroporphyrins. <i>Chemical Society Reviews</i> , 2021, 50, 13268-13320.	38.1	8
2	Dithienothiophene fused 30π heptaphyrin and 34π octaphyrins: Syntheses, characterization and spectral properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 98-104.	0.8	4
3	Two non-identical twins in one unit cell: characterization of 34π aromatic core-modified octaphyrins, their structural isomers and anion bound complexes. <i>Chemical Science</i> , 2019, 10, 5911-5919.	7.4	9
4	Protonation-Triggered Hückel and Möbius Aromatic Transformations in Nonaromatic Core-Modified [30]Hexaphyrin(2.1.1.2.1.1) and Annulated [28]Hexaphyrin(2.1.1.0.1.1). <i>Organic Letters</i> , 2019, 21, 9637-9641.	4.6	11
5	Core-modified 48π and 42π decaphyrins: syntheses, properties and structures. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3746-3753.	4.5	5
6	In Vitro and In Vivo Demonstration of Human-Ovarian-Cancer Necrosis through a Water-Soluble and Near-Infrared-Absorbing Chlorin. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5009-5019.	6.4	20
7	24π Core-Modified Nonfused Pentaphyrin with Möbius Aromaticity. <i>Chemistry - A European Journal</i> , 2018, 24, 17997-18002.	3.3	14
8	Bicyclic Baird-type aromaticity. <i>Nature Chemistry</i> , 2017, 9, 1243-1248.	13.6	71
9	[40]π Fused and Nonfused Core-Modified Nonaphyrins: Syntheses and Structural Diversity. <i>Chemistry - A European Journal</i> , 2016, 22, 11152-11155.	3.3	14
10	Phenylene-Bridged Core-Modified Planar Aromatic Octaphyrin: Aromaticity, Photophysical and Anion Receptor Properties. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1447-1453.	3.3	13
11	[32]π Fused Core-Modified Heptaphyrin with Möbius Aromaticity. <i>Chemistry - A European Journal</i> , 2016, 22, 3942-3946.	3.3	23
12	Nonlinear Optical Properties of Porphyrins and Expanded Porphyrins. <i>Handbook of Porphyrin Science</i> , 2014, , 271-366.	0.8	3
13	Fused core-modified planar antiaromatic 32π heptaphyrins: unusual synthesis and structural diversity. <i>Chemical Communications</i> , 2014, 50, 12127-12130.	4.1	23
14	Photophysical properties of bridged core-modified hexaphyrins: conjugational perturbation of thiophene bridges. <i>Chemical Communications</i> , 2014, 50, 4358-4360.	4.1	11
15	<i>meso</i> -Aryl Core-Modified Fused Sapphyrins: Syntheses and Structural Diversity. <i>Organic Letters</i> , 2014, 16, 3472-3475.	4.6	24
16	Core-Modified <i>meso</i> -Aryl Hexaphyrins with an Internal Thiophene Bridge: Structure, Aromaticity, and Photodynamics. <i>Chemistry - A European Journal</i> , 2013, 19, 1886-1890.	3.3	31
17	In Vitro Demonstration of Apoptosis Mediated Photodynamic Activity and NIR Nucleus Imaging through a Novel Porphyrin. <i>ACS Chemical Biology</i> , 2013, 8, 127-132.	3.4	75
18	Conformational Change from a Twisted Figure-Eight to an Open-Extended Structure in Doubly Fused 36π Core-Modified Octaphyrins Triggered by Protonation: Implication on Photodynamics and Aromaticity. <i>Chemistry - A European Journal</i> , 2013, 19, 17011-17020.	3.3	33

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19	<i>meso</i> -Tetrakis(<i>p</i> -sulfonatophenyl) <i>N</i> -Confused Porphyrin Tetrasodium Salt: A Potential Sensitizer for Photodynamic Therapy. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5110-5120.	6.4	116
20	Modified 26 and 28% Hexaphyrins with Fivemeso-Links: Optical, Redox, and Structural Properties. <i>Chemistry - an Asian Journal</i> , 2009, 4, 861-869.	3.3	4
21	Expanded porphyrins as third order non-linear optical materials: Some structure-function correlations. <i>Journal of Chemical Sciences</i> , 2008, 120, 137-142.	1.5	9
22	Structural Diversity in Expanded Porphyrins. <i>Accounts of Chemical Research</i> , 2008, 41, 265-279.	15.6	240
23	Photophysical Properties of Core-Modified Expanded Porphyrins: Nature of Aromaticity and Enhancement of Ring Planarity. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6900-6905.	2.6	29
24	One-Pot Synthesis of Core-Modified <i>meso</i> -Aryl Calix[5]phyrin and <i>N</i> -Fused [24]Pentaphyrin. <i>Organic Letters</i> , 2008, 10, 637-640.	4.6	18
25	Near IR absorbing planar aromatic [34]octaphyrins(1.1.0.1.1.0.0.0) containing a quaterthiophene subunit. <i>Chemical Communications</i> , 2007, , 43-45.	4.1	15
26	One-Pot Synthesis of Oxidized and Reduced Heptaphyrins with Unusual TFA Binding. <i>Organic Letters</i> , 2007, 9, 3355-3357.	4.6	17
27	26% Aromatic Core-Modified Hexaphyrins: Syntheses, Characterization, and Structural Diversities. <i>Journal of Organic Chemistry</i> , 2007, 72, 1153-1160.	3.2	21
28	Smaragdyrin Azobenzene Conjugates: Syntheses, Structure, and Spectral and Electrochemical Properties. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 191-200.	2.4	15
29	One-Pot Synthesis of Core-Modified Rubyrin, Octaphyrin, and Dodecaphyrin: Characterization and Nonlinear Optical Properties. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4552-4562.	2.4	22
30	22% Smaragdyrin Molecular Conjugates with Aromatic Phenylacetylenes and Ferrocenes: Syntheses, Electrochemical, and Photonic Properties. <i>Journal of the American Chemical Society</i> , 2006, 128, 16083-16091.	13.7	83
31	Effect of <i>Meso</i> Aryl Substituents on the Synthesis of Core-Modified Expanded Porphyrins. <i>Organic Letters</i> , 2006, 8, 4847-4850.	4.6	25
32	Aromatic Core Modified Decaphyrins with the Largest Two-Photon Absorption Cross-Sections: Syntheses and Characterization. <i>Organic Letters</i> , 2006, 8, 2325-2328.	4.6	60
33	Core-modified octaphyrins: Syntheses and anion-binding properties. <i>Journal of Chemical Sciences</i> , 2005, 117, 99-103.	1.5	5
34	Figure-eight aromatic core-modified octaphyrins with six <i>meso</i> links: syntheses and structural characterization. <i>Chemical Communications</i> , 2005, , 3343.	4.1	30
35	Aromatic Core-Modified Twisted Heptaphyrins[1.1.1.1.1.0]: Syntheses and Structural Characterization. <i>Organic Letters</i> , 2005, 7, 5445-5448.	4.6	25
36	Supramolecular Assemblies of Sulfur- and Selenium- Containing Expanded Porphyrins Mediated Through Noncovalent Interactions. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 845-872.	1.6	4

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37	Core-Modified Expanded Porphyrins with Large Third-Order Nonlinear Optical Response. <i>Journal of the American Chemical Society</i> , 2005, 127, 11608-11609.	13.7	185
38	Heptaphyrins: Expanded porphyrins with seven heterocyclic rings. <i>Journal of Chemical Sciences</i> , 2003, 115, 711-720.	1.5	5
39	meso-Substituted Aromatic 34 π Core-Modified Octaphyrins: Syntheses, Characterization and Anion Binding Properties. <i>Chemistry - A European Journal</i> , 2003, 9, 2282-2290.	3.3	33
40	Core-Modified Expanded Porphyrins: A New Generation Organic Materials. <i>Accounts of Chemical Research</i> , 2003, 36, 676-691.	15.6	364
41	Meso-mesityl dithia- and diselenarubyrins: existence of planar and inverted forms in solution. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002, 06, 403-409.	0.8	2
42	Dynamic behavior and strategy for the complete ¹ H and ¹³ C assignments for meso-aryl expanded heptaphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002, 06, 410-422.	0.8	3
43	30 π Aromatic Meso-Substituted Heptaphyrin Isomers: A Syntheses, Characterization, and Spectroscopic Studies. <i>Journal of Organic Chemistry</i> , 2002, 67, 6309-6319.	3.2	44
44	34 π Octaphyrin: A First Structural Characterization of a Planar, Aromatic [1.0.1.0.1.0.1.0] Octaphyrin with Inverted Heterocyclic Rings. <i>Journal of the American Chemical Society</i> , 2001, 123, 8620-8621.	13.7	68
45	Interaction of Rh(I) with meso-Arylsapphyrins and -Rubyrins: A First Structural Characterization of Bimetallic Hetero-rubyrin Complex. <i>Inorganic Chemistry</i> , 2001, 40, 1637-1645.	4.0	43
46	N-Confused Expanded Porphyrin: A First Example of a Modified Sapphyrin with an Inverted N-Confused Pyrrole Ring. <i>Journal of the American Chemical Society</i> , 2001, 123, 5138-5139.	13.7	64
47	Characterization of a new meso-aryl rubyrin isomer: [26]hexaphyrin (1.1.1.0.1.0) with an inverted heterocyclic ring. <i>Tetrahedron Letters</i> , 2001, 42, 3391-3394.	1.4	31
48	meso-Aryl Smaragdyrins: Novel Anion and Metal Receptors. <i>Inorganic Chemistry</i> , 2000, 39, 3669-3677.	4.0	67
49	Core modified meso-aryl sapphyrins and rubyrins: structural and anion receptor properties. <i>Perkin Transactions II RSC</i> , 2000, , 1788-1793.	1.1	31
50	Meso Aryl Heptaphyrins: The First 30 π Aromatic Expanded Porphyrins with an Inverted Structure. <i>Organic Letters</i> , 2000, 2, 3829-3832.	4.6	46
51	meso-Aryl sapphyrins with heteroatoms; synthesis, characterization, spectral and electrochemical properties. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 961-968.	0.9	42
52	Structural Characterization of Meso Aryl Sapphyrins. <i>Journal of Organic Chemistry</i> , 1999, 64, 8693-8697.	3.2	57
53	Novel Core-Modified Expanded Porphyrins with meso-Aryl Substituents: A Synthesis, Spectral and Structural Characterization. <i>Journal of the American Chemical Society</i> , 1999, 121, 9053-9068.	13.7	120
54	Sapphyrin Supramolecules through Câ [~] Hâ ^{...â} ...S and Câ [~] Hâ ^{...â} ...Se Hydrogen Bonds: First Structural Characterization of meso-Arylsapphyrins Bearing Heteroatoms. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 3394-3397.	13.8	88

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55	Tetrathia- and Tetraoxarubyrins: Aromatic, Core-Modified, Expanded Porphyrins. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2598-2601.	4.4	81
56	Tetrathia- und Tetraoxarubyrine: aromatische, Gerüstmodifizierte expandierte Porphyrine. <i>Angewandte Chemie</i> , 1997, 109, 2710-2713.	2.0	19