

Research Paper Publications

Sr. No.	M. & Ye. of Publication	Title of Paper	Name of Co-author if any	International / Na./ St./ Reg. with impact factor	Link
1.	Feb. 2025	Controlling Triplet-Harvesting Pathways and Nonlinear Optical Properties in Cu(I) Iodide-Based Polymers through Ligand Engineering	Joy Chatterjee, Riteeka Tanwar, Anupama, Abhijit Chatterjee, Madan D. Ambhore , Mukul KabirP ankaj Mandal, Partha Hazra	Journal of Physical Chemistry Letters I. F 5.3	https://pubs.acs.org/doi/10.1021/acs.jpcllett.4c03267
2.	Dec. 2024	Multifunctional luminogens with synergy of aggregation-induced delayed fluorescence, two-photon absorption and photocurrent generation	Abhijit Chatterjee, Sundaravalli Narayanan, Sachin Thorat, Ajay J. Malik, Madan D. Ambhore , Aswini Narayanan, Anil Kumar Sihag, Sukumaran Santhosh Babu, Mayurika Lahiri ORCID and Partha Hazra	Chemical Communications I.F 6.06	https://doi.org/10.1039/D4CC05113K
3.	May 2024	Activation of TADF in Photon Upconverting Crystals of Dinuclear Cu(I)-Iodide Complexes by Ligand Engineering	Joy Chatterjee, Abhijit Chatterjee, Riteeka Tanwar, Prakash Panwaria, Sajid Saikia, Madan D. Ambhore , Pankaj Mandal*Partha Hazra*	The Journal of Physical Chemistry Letters I.F 5.3	10.1021/acs.jpcllett.4c01122
4.	March 2024	Open shell $(4n + 2)\pi$ and closed shell $4n\pi$ planar core-modified decaphyrins	Pragati Shukla, Madan D. Ambhore and Venkataramanara o G. Anand	Chemical Science I.F 8.4	https://pubs.rsc.org/en/content/articlelanding/2024/sc/d3sc05251f
5.	Nov 2023	Engineering TADF, Mechanochromism, and Second Harmonic Up-conversion Properties in Regioisomeric Substitution Space	Abhijit Chatterjee, Joy Chatterjee, Subrahmanyam Sappati, Riteeka Tanwar,a Madan D. Ambhore ,	Chemical Science I.F 8.4	https://doi.org/10.1039/D3SC04280D

			Habibul Arfin, Rintu M. Umesh,d Mayurika Lahiri, Pankaj Mandal and Partha Hazra		
6,	July 2023	Tetrafluorenofulvalene:A Sterically Frustrated Open-Shell Alkene	Madan Ambhore , Bibek Prajapati (Equal Author), Duy- Khoi Dang, Piotr J. Chmielewski, Tadeusz Lis, Carlos J. Gómez- García, Paul M. Zimmerman, and Marcin Stępień*	Nature Chemistry 24.27	https://www.nature.com/a rticles/s41557-023- 01341-8
7.	July 2017	Isophlorinoids: The antiaromatic congener of Porphyrinoids	s B. K. Reddy, A. Basavarajappa, Madan D Ambhore , V. G. Anand*	Chem. Rev. 72.08	https://pubs.acs.org/doi/1 0.1021/acs.chemrev.6b00 544
8.	May 2023	Reversible Oxidation of 30 π Hückel to 28 π Möbius Dication of Expanded Core-Modified Isophlorinoid	Pragati Shukla, Madan D. Ambhore and V. G. Anand	Chem. Eu. J 3.87	http://www.viirj.org/vol1 0issue2/17.pdf
9.	2022	Tailoring diradical Properties of Expanded Porphyrinoid Systematic core Modification	Madan D. Ambhore , Pragati Shukla and V. G. Anand*	Chem. Commun 6.065	https://doi.org/10.1039/ D2CC02970G
10.	2019	Wide Range Redox States for Expanded Porphyrinoid	Madan D. Ambhore , A.Basavarajappa and V. G. Anand*	Chem. Commun 6.065	https://doi.org/10.1039/ C9CC02326G
11.	2021	Three-dimensional Isophlorinoid Tetrapodal Molecular Cage	A.Basavarajappa, Madan D. Ambhore and V. G. Anand*	<i>Chem. Commun</i> , 2021 , 57, 4299-4302 6.065	https://doi.org/10.1039/ D1CC01002F
12.	2022	Reversible Redox Switching between Local and Global Aromaticity for Core-modified Expanded Carbaisophlorinoids	Madan D. Ambhore, Santosh P. Panchal, Arpan Mondal, Sanjit Konar and V.G Anand	Org. Biomol. Chem 3.87	https://doi.org/10.1039/ D1OB02230J
13.	Nov 2021	Emergence of Aggregation Induced Emission (AIE), Room- Temperature Phosphorescence (RTP), and Multistimuli Response from a Single Organic Luminogen by Directed Structural Modification	Abhijit Chatterjee, Joy Chatterjee,†Subra hmanyam Sappati,Tariq Sheikh, Rintu M. Umesh, Madan D.Ambhore , Mayurika Lahiri and Partha	The Journal of physical chemistry B 3.466	https://pubs.acs.org/doi/1 0.1021/acs.jpcc.1c08126.

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14.	Sep 2019	Non-planar core-modified dibenzi expanded isophlorin	Rakesh Gaur, Madan D. Ambhore, and Venkataramanara o G. Anand*	Journal of porphyrin and phthalocyanine 1.9	https://doi.org/10.1142/S1088424619501050

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