

Nivedita Chaudhri

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Crystal structure of <i>cis</i> -7,8-dihydroxy-5,10,15,20-tetraphenylchlorin and its zinc(II) ethylenediamine complex. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2022, 78, 392-398.	0.5	1
2	Tailoring the Intersystem Crossing and Triplet Dynamics of Free-Base Octaalkyl- β -oxo-Substituted Porphyrins: Competing Effects of Spin-Vibronic and NH Tautomerism Relaxation Channels. <i>Journal of Physical Chemistry A</i> , 2022, 126, 2522-2531.	2.5	1
3	Stepwise Reduction of β -Trioxopyrrocorphins: Collapse of the Oxo-Induced Macrocyclic Aromaticity. <i>Journal of Organic Chemistry</i> , 2022, 87, 7179-7192.	3.2	2
4	Unsymmetrically β -Functionalized β -Extended Porphyrins: Synthesis, Spectral, Electrochemical Redox Properties, and Their Utilization as Efficient Two-Photon Absorbers. <i>Inorganic Chemistry</i> , 2022, 61, 9968-9982.	4.0	13
5	β -Oxochlorin cobalt complexes catalyze the electrochemical reduction of CO_2 . <i>Chemical Communications</i> , 2021, 57, 4396-4399.	4.1	6
6	Structural and Photophysical Characterization of All Five Constitutional Isomers of the Octaethyl- β , β -dioxo- β -bacterio- and β -isobacteriochlorin Series. <i>Chemistry - A European Journal</i> , 2021, 27, 16189-16203.	3.3	9
7	β -Trioxopyrrocorphins: pyrrocorphins of graded aromaticity. <i>Chemical Science</i> , 2021, 12, 12292-12301.	7.4	4
8	Nickel monobenzoporphyrins and chlorins: synthesis, electrochemistry and anion sensing properties. <i>Dalton Transactions</i> , 2021, 50, 17086-17100.	3.3	2
9	Structural, Photophysical, and Electrochemical Properties of Doubly Fused Porphyrins and Related Fused Chlorins. <i>Inorganic Chemistry</i> , 2020, 59, 1481-1495.	4.0	12
10	Effect of fused indanedione (IND) groups and antipodal β -substituents on electrochemical properties of unsymmetrical metalloporphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 1155-1165.	0.8	3
11	Stepwise Reduction of Octaethyl- β , β -dioxochlorin Isomers: Access to Structurally and Electronically Diverse Hydroporphyrins. <i>Journal of Organic Chemistry</i> , 2020, 85, 13951-13964.	3.2	4
12	Facile Heterogeneous and Homogeneous Anion Induced Electrosynthesis: An Efficient Method for Obtaining β -Extended Porphyrins. <i>Inorganic Chemistry</i> , 2020, 59, 16737-16746.	4.0	8
13	Mechanochemical insertion of cobalt into porphyrinoids using $\text{Co}_2(\text{CO})_8$ as a cobalt source. <i>Green Chemistry</i> , 2020, 22, 3643-3652.	9.0	9
14	Electrochemistry of Tri- β -substituted Porphyrins with β -Appended Ethyl Acetoacetate and Acetylacetone in Neutral and Basic Nonaqueous Solvents. <i>ChemElectroChem</i> , 2020, 7, 1723-1732.	3.4	6
15	Evaluation of Octaethyl-7,17-dioxobacteriochlorin as a Ligand for Transition Metals. <i>Inorganic Chemistry</i> , 2020, 59, 2870-2880.	4.0	8
16	β -Functionalized Dibenzoporphyrins with Mixed Substituents Pattern: Facile Synthesis, Structural, Spectral, and Electrochemical Redox Properties. <i>Inorganic Chemistry</i> , 2019, 58, 2514-2522.	4.0	7
17	Synthesis and structural, photophysical, electrochemical redox and axial ligation properties of highly electron deficient perchlorometalloporphyrins and selective CN^- sensing by Co complexes. <i>New Journal of Chemistry</i> , 2018, 42, 8190-8199.	2.8	13
18	Antimicrobial photodynamic therapy: Single-walled carbon nanotube (SWCNT)-Porphyrin conjugate for visible light mediated inactivation of <i>Staphylococcus aureus</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 162, 108-117.	5.0	77

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19	Synthesis and Electrochemical Characterization of Acetylacetone (acac) and Ethyl Acetate (EA) Appended β^2 -Trisubstituted Push-Pull Porphyrins: Formation of Electronically Communicating Porphyrin Dimers. <i>Inorganic Chemistry</i> , 2018, 57, 13213-13224.	4.0	8
20	Nickel-Induced Skeletal Rearrangement of Free Base <i>trans</i> -Chlorins into Monofused N-Substituted Porphyrins: Synthesis, Structural, Spectral, and Electrochemical Redox Properties. <i>Inorganic Chemistry</i> , 2018, 57, 11349-11360.	4.0	14
21	Selective Conversion of Planar <i>trans</i> -Chlorins into Highly Twisted Doubly Fused Porphyrins or Chlorins via Oxidative Fusion. <i>Inorganic Chemistry</i> , 2018, 57, 6658-6668.	4.0	10
22	β^2 -Heptasubstituted Porphyrins: Synthesis, Structural, Spectral, and Electrochemical Properties. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3338-3343.	2.0	6
23	Facile Conversion of Ni(II) Cyclopropylchlorins into Novel β^2 -Substituted Porphyrins through Acid-Catalyzed Ring-Opening Reaction. <i>Inorganic Chemistry</i> , 2017, 56, 424-437.	4.0	10
24	Versatile Synthetic Route for β^2 -Functionalized Chlorins and Porphyrins by Varying the Size of Michael Donors: Syntheses, Photophysical, and Electrochemical Redox Properties. <i>Inorganic Chemistry</i> , 2017, 56, 11532-11545.	4.0	23
25	Effect of functional groups on sensitization of dye-sensitized solar cells (DSSCs) using free base porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017, 21, 222-230.	0.8	9
26	Ratiometric and colorimetric "naked eye" selective detection of CN^+ ions by electron deficient Ni(II) porphyrins and their reversibility studies. <i>Dalton Transactions</i> , 2015, 44, 9149-9157.	3.3	35
27	Colorimetric "naked eye" detection of CN^+ , F^+ , CH_3COO^+ and H_2PO_4^+ ions by highly nonplanar electron deficient perhaloporphyrins. <i>RSC Advances</i> , 2015, 5, 3269-3275.	3.6	29