

Pounraj Parvonraja

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Investigating the effect of π -configurations and methoxy substitution on donor and π - spacers based dyes for dye-sensitized solar cell applicationsâ€“computational approach. Research on Chemical Intermediates, 2022, 48, 1877-1906.	1.3	5
2	Donor functionalized perylene and different π -spacer based sensitizers for dye-sensitized solar cell applications â€” a theoretical approach. Journal of Molecular Modeling, 2022, 28, 102.	0.8	6
3	The influence of π -linkers configuration on properties of 10-hexylphenoxazine donor-based sensitizer for dye-sensitized solar cell application â€” Theoretical approach. Journal of Molecular Graphics and Modelling, 2021, 102, 107779.	1.3	9
4	Role of π conjugation in n-hexylphenothiazine dyes for solar cellâ€”a density functional theory approach. Journal of Molecular Modeling, 2021, 27, 151.	0.8	3
5	Exploring the screening of perylene based organic sensitizers with different lengths and functional groups of acceptors via computational spectroscopic analysis. Chemical Data Collections, 2021, 34, 100729.	1.1	5
6	Exploring the effect of π -spacers on D-D- π -A based triphenylamine dyes for dye sensitized solar cell applications â€” Computational approach. AIP Conference Proceedings, 2020, , .	0.3	1
7	Synthesis and characterization of disc-shaped thiophene based Zn-Porphyrin for organic solar cells application. AIP Conference Proceedings, 2020, , .	0.3	0
8	Donor substituted triphenylamine based sensitizers for dye sensitized solar cells (DSSC) application - DFT and TD-DFT approach. AIP Conference Proceedings, 2019, , .	0.3	1
9	Simple N-hexylcarbazole based metal free sensitizer for dye sensitized solar cells (DSSC) application â€” A quantum chemical approach. AIP Conference Proceedings, 2019, , .	0.3	1
10	Effect of Flavone and Isoflavone in the Triphenylamine-Based Sensitizers for Dye-Sensitized Solar Cell Applications: DFT and TD-DFT Approach. Silicon, 2019, 11, 1205-1220.	1.8	2
11	Tuning the lifetime from molecular engineering of carbazole donor based metal-free organic dyes for dye sensitized solar cells â€” A computational approach. Journal of Molecular Structure, 2019, 1195, 494-505.	1.8	13
12	Theoretical Investigation on Flavones and Isoflavones-Added Triphenylamine-Based Sensitizers for DSSC Application. Brazilian Journal of Physics, 2019, 49, 103-112.	0.7	4
13	Fabrication of hole-transport-free perovskite solar cells using 5-ammonium valeric acid iodide as additive and carbon as counter electrode. Materials Letters, 2019, 236, 706-709.	1.3	12
14	Directional growth, physicochemical and quantum chemical investigations on pyridinium 2-carboxylate: 4-nitrophenol (P2C4N) single crystal for nonlinear optical (NLO) applications. New Journal of Chemistry, 2018, 42, 4261-4277.	1.4	23
15	The effect of different π -bridge configuration on bi-anchored triphenylamine and phenyl modified triphenylamine based dyes for dye sensitized solar cell (DSSC) application: A theoretical approach. Journal of Molecular Graphics and Modelling, 2018, 79, 235-253.	1.3	24
16	Donor functionalized quinoline based organic sensitizers for dye sensitized solar cell (DSSC) applications: DFT and TD-DFT investigations. Journal of Molecular Modeling, 2018, 24, 343.	0.8	25
17	10-(quinolin-6-yl)-10H-phenoxazine donor based organic sensitizers for dye sensitized solar cells (DSSC) application - A theoretical approach. AIP Conference Proceedings, 2018, , .	0.3	1
18	Anthocyanin modified triphenylamine based organic sensitizer for dye sensitized solar cells (DSSC) - A theoretical approach. AIP Conference Proceedings, 2017, , .	0.3	2