

# Buddhadev Maiti

## List of Publications by Year in descending order

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Version: 2024-02-01

10  
papers

138  
citations

1307594

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1372567

10  
g-index

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all docs

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docs citations

10  
times ranked

211  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Electronic Spectra of C <sub>60</sub> Films Using Screened Range Separated Hybrid Functionals. Journal of Physical Chemistry A, 2021, 125, 7625-7632.   | 2.5 | 5         |
| 2  | Photoinduced charge transfer in Zn(II) and Au(III)-ligated symmetric and asymmetric bacteriochlorin dyads: A computational study. Journal of Chemical Physics, 2020, 153, 134111.   | 3.0 | 13        |
| 3  | Molecular-Level Exploration of the Structure-Function Relations Underlying Interfacial Charge Transfer in the Subphthalocyanine/C <sub>60</sub> Organic Photovoltaic System. Physical Review Applied, 2020, 13, .                       | 3.8 | 14        |
| 4  | Enhancing charge mobilities in self-assembled Nâ€¹ halogen bonded organic semiconductors: A design approach based on experimental and computational perspectives. Organic Electronics, 2020, 79, 105637.                                | 2.6 | 3         |
| 5  | Screened Range-Separated Hybrid Functional with Polarizable Continuum Model Overcomes Challenges in Describing Triplet Excitations in the Condensed Phase Using TDDFT. Journal of Chemical Theory and Computation, 2020, 16, 3287-3293. | 5.3 | 29        |
| 6  | Enhancing charge mobilities in selectively fluorinated oligophenyl organic semiconductors: a design approach based on experimental and computational perspectives. Journal of Materials Chemistry C, 2019, 7, 3881-3888.                | 5.5 | 16        |
| 7  | Excitonic Interactions in Bacteriochlorin Homo-Dyads Enable Charge Transfer: A New Approach to the Artificial Photosynthetic Special Pair. Journal of Physical Chemistry B, 2018, 122, 4131-4140.                                       | 2.6 | 15        |
| 8  | Enhancing charge mobilities in organic semiconductors by selective fluorination: a design approach based on a quantum mechanical perspective. Chemical Science, 2017, 8, 6947-6953.   | 7.4 | 20        |
| 9  | What Is the Optoelectronic Effect of the Capsule on the Guest Molecule in Aqueous Host/Guest Complexes? A Combined Computational and Spectroscopic Perspective. Journal of Physical Chemistry C, 2017, 121, 15481-15488.                | 3.1 | 17        |
| 10 | Photoinduced Homolytic Bond Cleavage of the Central Siâ€¹C Bond in Porphyrin Macrocycles Is a Charge Polarization Driven Process. Journal of Physical Chemistry A, 2016, 120, 7634-7640.  | 2.5 | 6         |