# Mahalingavelar Paramasivam

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1637208/publications.pdf

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|---|---|---|---|
| 22 papers | 565 citations | 759233 12 h-index | 677142 22 g-index |
| 22 all docs | 22 docs citations | 22 times ranked | 584 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Designing alkoxy-induced based high performance near infrared sensitive small molecule acceptors for organic solar cells. Journal of Molecular Liquids, 2020, 305, 112829. | 4.9 | 76 |
| 2 | Tuning the Photovoltaic Performance of Benzocarbazole-Based Sensitizers for Dye-Sensitized Solar Cells: A Joint Experimental and Theoretical Study of the Influence of Ï€-Spacers. Journal of Physical Chemistry C, 2015, 119, 17053-17064. | 3.1 | 60 |
| 3 | Rational Tuning of AIEE Active Coumarin Based Î±-Cyanostilbenes toward Far-Red/NIR Region Using Different Ï€-Spacer and Acceptor Units. Journal of Physical Chemistry C, 2016, 120, 10757-10769. | 3.1 | 52 |
| 4 | Phenothiazine Functionalized Multifunctional Aâ^Ï€â€“Dâ^Ï€â€“Dâ^Ï€â€“A-Type Hole-Transporting Materials via Sequential Câ€“H Arylation Approach for Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 14011-14022. | 8.0 | 51 |
| 5 | Solution-processable infrared photodetectors: Materials, device physics, and applications. Materials Science and Engineering Reports, 2021, 146, 100643. | 31.8 | 49 |
| 6 | Small band gap D-Ï€-A-Ï€-D benzothiadiazole derivatives with low-lying HOMO levels as potential donors for applications in organic photovoltaics: a combined experimental and theoretical investigation. RSC Advances, 2014, 4, 35318-35331. | 3.6 | 43 |
| 7 | The impact of heteroatom substitution on cross-conjugation and its effect on the photovoltaic performance of DSSCs â€“ a computational investigation of linear vs. cross-conjugated anchoring units. Physical Chemistry Chemical Physics, 2018, 20, 22660-22673. | 2.8 | 32 |
| 8 | Emission and Color Tuning of Cyanostilbenes and White Light Emission. ACS Omega, 2018, 3, 17376-17385. | 3.5 | 25 |
| 9 | Perturbing the AIEE activity of pyridine functionalized Î±-cyanostilbenes with donor substitutions: an experimental and DFT study. New Journal of Chemistry, 2020, 44, 218-230. | 2.8 | 25 |
| 10 | Funnel shaped molecules containing benzo/pyrido[1,2,5]thiadiazole functionalities as peripheral acceptors for organic photovoltaic applications. RSC Advances, 2016, 6, 66978-66989. | 3.6 | 22 |
| 11 | How End-Capped Acceptors Regulate the Photovoltaic Performance of the Organic Solar Cells: A Detailed Density Functional Exploration of Their Impact on the Aâ€“Dâ^Ï€â€“Dâ€“A Type Small Molecular Electron Donors. Energy & Fuels, 2022, 36, 2095-2107. | 5.1 | 22 |
| 12 | Energy level tuning of â€˜Zâ€™-shaped small molecular non-fullerene electron acceptors based on a dipyrrolo[2,3-b:2â€²,3â€²-e]pyrazine-2,6(1H,5H)-dione acceptor unit for organic photovoltaic applications: a joint experimental and DFT investigation on the effect of fluorination. New Journal of Chemistry, 2019, 43, 5173-5186. | 2.8 | 20 |
| 13 | Topology and ground state control in open-shell donor-acceptor conjugated polymers. Cell Reports Physical Science, 2021, 2, 100467. | 5.6 | 14 |
| 14 | DFT studies of squarylium and coreâ€substituted squarylium dye derivatives: understanding the causes of the additional shorter wavelength absorption in the latter. Journal of Physical Organic Chemistry, 2013, 26, 37-46. | 1.9 | 13 |
| 15 | Ultrafast high-energy micro-supercapacitors based on open-shell polymer-graphene composites. Cell Reports Physical Science, 2022, 3, 100792. | 5.6 | 12 |
| 16 | Amino substituted 4-pyridylbutadienes: Synthesis and fluorescence investigations. Dyes and Pigments, 2015, 123, 341-348. | 3.7 | 9 |
| 17 | Direct observation of the rise of delayed fluorescence in dithienylbenzothiadiazole and its role in the excited state dynamics of a donorâ€“acceptorâ€“donor molecule. Physical Chemistry Chemical Physics, 2017, 19, 9118-9127. | 2.8 | 8 |
| 18 | Tuning of optical properties of p-phenyl ethenyl-E-furans: A Solvatochromism and Density functional theory. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 206, 396-404. | 3.9 | 8 |

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| 19 | A competitive effect of acceptor substitutions on the opto-electronic features of triphenylamine cored di Î±-cyanostilbene derivatives. New Journal of Chemistry, 2021, 45, 4683-4693. | 2.8 | 8 |
| 20 | Photoisomerization of Trans Orthoâ€; Metaâ€; Paraâ€Nitro Diarylbutadienes: A Case of Regioselectivity. Photochemistry and Photobiology, 2015, 91, 1324-1331. | 2.5 | 7 |
| 21 | Substituent Dependent Optical Properties of p-phenyl Substituted ethenyl-E-thiophenes. Journal of Fluorescence, 2018, 28, 1207-1216. | 2.5 | 7 |
| 22 | Carbohydrate Tethered Cyanostilbene Fluorogen: Unique Emission and Preferential Protein Binding. ChemistrySelect, 2017, 2, 405-414. | 1.5 | 2 |