

# Mahalingavelar Paramasivam

## List of Publications by Year in descending order

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Version: 2024-02-01

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	How End-Capped Acceptors Regulate the Photovoltaic Performance of the Organic Solar Cells: A Detailed Density Functional Exploration of Their Impact on the A <sup>+</sup> -D <sup>+</sup> -A Type Small Molecular Electron Donors. <i>Energy &amp; Fuels</i> , 2022, 36, 2095-2107.	5.1	22
2	Ultrafast high-energy micro-supercapacitors based on open-shell polymer-graphene composites. <i>Cell Reports Physical Science</i> , 2022, 3, 100792.	5.6	12
3	A competitive effect of acceptor substitutions on the opto-electronic features of triphenylamine cored di <sup>+</sup> -cyanostilbene derivatives. <i>New Journal of Chemistry</i> , 2021, 45, 4683-4693.	2.8	8
4	Topology and ground state control in open-shell donor-acceptor conjugated polymers. <i>Cell Reports Physical Science</i> , 2021, 2, 100467.	5.6	14
5	Solution-processable infrared photodetectors: Materials, device physics, and applications. <i>Materials Science and Engineering Reports</i> , 2021, 146, 100643.	31.8	49
6	Perturbing the AIEE activity of pyridine functionalized di <sup>+</sup> -cyanostilbenes with donor substitutions: an experimental and DFT study. <i>New Journal of Chemistry</i> , 2020, 44, 218-230.	2.8	25
7	Designing alkoxy-induced based high performance near infrared sensitive small molecule acceptors for organic solar cells. <i>Journal of Molecular Liquids</i> , 2020, 305, 112829.	4.9	76
8	Tuning of optical properties of p-phenyl ethenyl-E-furans: A Solvatochromism and Density functional theory. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 396-404.	3.9	8
9	Energy level tuning of Z-shaped small molecular non-fullerene electron acceptors based on a dipyrrolo[2,3-b:2',3'-d]pyrazine-2,6(1H,5H)-dione acceptor unit for organic photovoltaic applications: a joint experimental and DFT investigation on the effect of fluorination. <i>New Journal of Chemistry</i> , 2019, 43, 5173-5186.	2.8	20
10	Phenothiazine Functionalized Multifunctional A <sup>+</sup> -D <sup>+</sup> -A-Type Hole-Transporting Materials via Sequential C-H Arylation Approach for Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14011-14022.	8.0	51
11	Emission and Color Tuning of Cyanostilbenes and White Light Emission. <i>ACS Omega</i> , 2018, 3, 17376-17385.	3.5	25
12	Substituent Dependent Optical Properties of p-phenyl Substituted ethenyl-E-thiophenes. <i>Journal of Fluorescence</i> , 2018, 28, 1207-1216.	2.5	7
13	The impact of heteroatom substitution on cross-conjugation and its effect on the photovoltaic performance of DSSCs – a computational investigation of linear vs. cross-conjugated anchoring units. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22660-22673.	2.8	32
14	Direct observation of the rise of delayed fluorescence in dithienylbenzothiadiazole and its role in the excited state dynamics of a donor-acceptor-donor molecule. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9118-9127.	2.8	8
15	Carbohydrate Tethered Cyanostilbene Fluorogen: Unique Emission and Preferential Protein Binding. <i>ChemistrySelect</i> , 2017, 2, 405-414.	1.5	2
16	Funnel shaped molecules containing benzo/pyrido[1,2,5]thiadiazole functionalities as peripheral acceptors for organic photovoltaic applications. <i>RSC Advances</i> , 2016, 6, 66978-66989.	3.6	22
17	Rational Tuning of AIEE Active Coumarin Based di <sup>+</sup> -Cyanostilbenes toward Far-Red/NIR Region Using Different Spacer and Acceptor Units. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10757-10769.	3.1	52
18	Photoisomerization of Trans Ortho-, Meta-, Para-Nitro Diarylbutadienes: A Case of Regioselectivity. <i>Photochemistry and Photobiology</i> , 2015, 91, 1324-1331.	2.5	7

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19	Tuning the Photovoltaic Performance of Benzocarbazole-Based Sensitizers for Dye-Sensitized Solar Cells: A Joint Experimental and Theoretical Study of the Influence of $\pi$ -Spacers. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17053-17064.	3.1	60
20	Amino substituted 4-pyridylbutadienes: Synthesis and fluorescence investigations. <i>Dyes and Pigments</i> , 2015, 123, 341-348.	3.7	9
21	Small band gap D- $\pi$ -A- $\pi$ -D benzothiadiazole derivatives with low-lying HOMO levels as potential donors for applications in organic photovoltaics: a combined experimental and theoretical investigation. <i>RSC Advances</i> , 2014, 4, 35318-35331.	3.6	43
22	DFT studies of squarylium and core-substituted squarylium dye derivatives: understanding the causes of the additional shorter wavelength absorption in the latter. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 37-46.	1.9	13