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## **LIST OF PUBLICATIONS**

1. Govindasamy Sathiyar and **Pachagounder Sakthivel**, "A multibranched carbazole linked triazine based fluorescent molecule for the selective detection of picric acid", *RSC Adv.*, Vol. 6, 2016, 106705.
2. Govindasamy Sathiyar, Rangasamy Thangamuthu and **Pachagounder Sakthivel**, "Synthesis of carbazole-based copolymers containing carbazolethiazolo [5,4-d] thiazole groups with different dopants and their fluorescence and electrical conductivity applications", *RSC Adv.*, Vol. 6, 2016, 69196.
3. Sathiyar G, E.K.T. Sivakumar, Ganesamoorthy R, Thangamuthu R and **Sakthivel P**, "Review of carbazole based conjugated molecules for highly efficient organic solar cell applications", *Tetrahedron Letters*, Vol. 57, 2016, 243-252.
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5. G Sathiyar, G Siva, J Prakash, HC Swart, **P Sakthivel**, "Design and chemical engineering of carbazole-based donor small molecules for organic solar cell applications", *Journal of Materials Science: Materials in Electronics*, Vol. 29(17), 2018, 14842-1485.
6. R Ganesamoorthy, R Vijayaraghavan, K Ramki, **P Sakthivel**, "Synthesis, characterization of bay-substituted perylene diimide based DAD type small molecules and their applications as a non-fullerene electron acceptor in polymer solar cells", *Journal of Science: Advanced Materials and Devices*, Vol. 3(1), 2018, 99-106.
7. G Sathiyar, G Siva, EKT Sivakumar, J Prakash, HC Swart, **P Sakthivel**, "Synthesis and studies of carbazole-based donor polymer for organic solar cell applications", *Colloid and Polymer Science*, Vol. 296, 2018, 1193–1203.
8. K Ramki, N Venkatesh, G Sathiyar, R Thangamuthu, **P Sakthivel**, "A comprehensive review on the reasons behind low power conversion efficiency of dibenzo derivatives based donors in bulk heterojunction organic solar cells", *Organic Electronics*, Vol. 73, 2019, 182-204.
9. K Ramki, **P Sakthivel**, "A novel electrochemical platform based on indenoindole for selective detection of Cu<sup>2+</sup> ions in Punicagranatum fruit juice", *Journal of Electroanalytical Chemistry*, 2020, 113936.