

# Nimmakayala V V Subbarao

## List of Publications by Year in descending order

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9  
papers

219  
citations

1307594

7  
h-index

1588992

8  
g-index

9  
all docs

9  
docs citations

9  
times ranked

530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vapor phase sensing of ammonia at the sub-ppm level using a perylene diimide thin film device. Journal of Materials Chemistry C, 2015, 3, 10767-10774.	5.5	74
2	Enhanced Environmental Stability Induced by Effective Polarization of a Polar Dielectric Layer in a Trilayer Dielectric System of Organic Field-Effect Transistors: A Quantitative Study. ACS Applied Materials & Interfaces, 2015, 7, 1915-1924.	8.0	56
3	Large-Scale Molecular Packing and Morphology-Dependent High Performance Organic Field-Effect Transistor by Symmetrical Naphthalene Diimide Appended with Methyl Cyclohexane. Journal of Physical Chemistry C, 2015, 119, 12772-12779.	3.1	20
4	Low voltage, low cost, flexible and balanced ambipolar OFETs based on Br <sub>2</sub> PTCDI-C18/CuPc fabricated on an Al foil gate substrate with good ambient stability. Journal of Materials Chemistry C, 2016, 4, 7102-7109.	5.5	20
5	Local Diffusion Induced Roughening in Cobalt Phthalocyanine Thin Film Growth. Langmuir, 2014, 30, 8735-8740.	3.5	18
6	Effects of Dielectric Material, HMDS Layer, and Channel Length on the Performance of the Perylenediimide-Based Organic Field-Effect Transistors. ACS Omega, 2017, 2, 2552-2560.	3.5	14
7	High carrier mobility of CoPc wires based field-effect transistors using bi-layer gate dielectric. AIP Advances, 2013, 3, 112123.	1.3	8
8	Effect of thickness of bilayer dielectric on 1,7-dibromo-N,N'-dioctadecyl-3,4,9,10-perylenetetracarboxylic diimide based organic field-effect transistors. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2403-2411.	1.8	6
9	Growth mechanism of Cobalt(II) Phthalocyanine(CoPc) thin films on SiO <sub>2</sub> and muscovite substrates. , 2014, , .		3