Lalitha Murugan

List of Publications by Year
in descending order

10	357	1163117 8	1372567 10
papers	citations	h-index	g-index

10	10	10	649
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adsorption behaviour of reduced graphene oxide towards cationic and anionic dyes: Co-action of electrostatic and Ï€ â€“ Ï€ interactions. Materials Chemistry and Physics, 2017, 194, 243-252.	4.0	198
2	Multiwalled Carbon Nanotube Oxygen Sensor: Enhanced Oxygen Sensitivity at Room Temperature and Mechanism of Sensing. ACS Applied Materials & Interfaces, 2015, 7, 23857-23865.	8.0	40
3	Influence of in-plane Stoneâ€“Throwerâ€“Wales defects and edge functionalisation on the adsorption of CO2and H2O on graphene. RSC Advances, 2014, 4, 39576.	3.6	25
4	Interface energetics of [Emim] + [X] â^' and [Bmim] + [X] â^' (X = BF 4 , Cl, PF 6 , TfO, Tf 2 N) based ionic liquids on graphene, defective graphene, and graphyne surfaces. Journal of Molecular Liquids, 2017, 236, 124-134.	4.9	23
5	DFT study on Xâ^'Â·(H2O)n=1-10 (X=OH, NO2, NO3, CO3) anionic water cluster. Journal of Molecular Graphics and Modelling, 2014, 54, 148-163.	2.4	22
6	Gas adsorption efficacy of graphene sheets functionalised with carboxyl, hydroxyl and epoxy groups in conjunction with Stoneâ€“Throwerâ€“Wales (STW) and inverse Stoneâ€“Throwerâ€“Wales (ISTW) defects. Physical Chemistry Chemical Physics, 2017, 19, 30895-30913.	2.8	15
7	Edge functionalised & Li-intercalated 555-777 defective bilayer graphene for the adsorption of CO2 and H2O. Applied Surface Science, 2017, 400, 375-390.	6.1	14
8	Defect-Mediated Reduction in Barrier for Helium Tunneling through Functionalized Graphene Nanopores. Journal of Physical Chemistry C, 2015, 119, 20940-20948.	3.1	13
9	Facile Hydrothermal Synthesis and First Principle Computational Studies of NiSb₂O₄ and Its Electrochemical Properties with Ni₃(Fe(CN)₆)₂(H₂O) for Hybrid Supercapacitors. ChemistrySelect, 2017, 2, 6823-6832.	1.5	4
10	The first-principles study of CoSb2O4 and its electrochemical properties for supercapacitors. Electrochimica Acta, 2018, 283, 949-958.	5.2	3