# Lalitha Murugan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4753920/publications.pdf

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|---|---|---|---|
| 10<br>papers | 357<br>citations | 1305906<br>8<br>h-index | 1526636<br>10<br>g-index |
| 10<br>all docs | 10<br>docs citations | 10<br>times ranked | 730<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The first-principles study of CoSb2O4 and its electrochemical properties for supercapacitors. Electrochimica Acta, 2018, 283, 949-958. | 2.6 | 3 |
| 2 | 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. | 2.0 | 198 |
| 3 | 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. | 2.3 | 23 |
| 4 | Edge functionalised & Li-intercalated 555-777 defective bilayer graphene for the adsorption of CO2 and H2O. Applied Surface Science, 2017, 400, 375-390. | 3.1 | 14 |
| 5 | Facile Hydrothermal Synthesis and First Principle Computational Studies of NiSb<sub>2</sub>O<sub>4</sub> and Its Electrochemical Properties with Ni<sub>3</sub>(Fe(CN)<sub>6</sub>)<sub>2</sub>(H<sub>2</sub>O) for Hybrid Supercapacitors. ChemistrySelect, 2017, 2, 6823-6832. | 0.7 | 4 |
| 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. | 1.3 | 15 |
| 7 | Multiwalled Carbon Nanotube Oxygen Sensor: Enhanced Oxygen Sensitivity at Room Temperature and Mechanism of Sensing. ACS Applied Materials & Interfaces, 2015, 7, 23857-23865. | 4.0 | 40 |
| 8 | Defect-Mediated Reduction in Barrier for Helium Tunneling through Functionalized Graphene Nanopores. Journal of Physical Chemistry C, 2015, 119, 20940-20948. | 1.5 | 13 |
| 9 | 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. | 1.3 | 22 |
| 10 | Influence of in-plane Stoneâ€“Throwerâ€“Wales defects and edge functionalisation on the adsorption of CO2and H2O on graphene. RSC Advances, 2014, 4, 39576. | 1.7 | 25 |