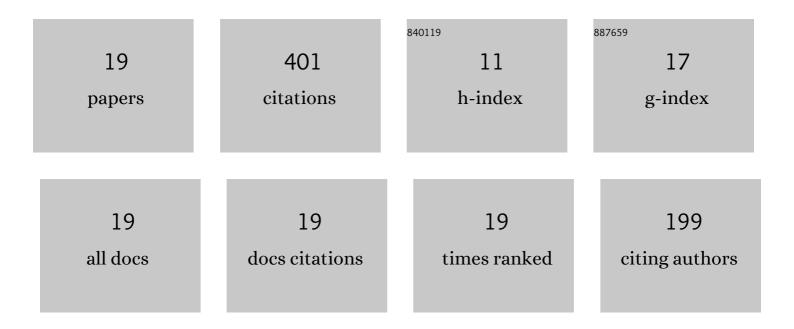
## Santanu Prasad Datta

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/793388/publications.pdf Version: 2024-02-01



| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Parametric investigation to optimize the thermal management of pouch type lithium-ion batteries with<br>mini-channel cold plates. International Journal of Heat and Mass Transfer, 2021, 164, 120568.                           | 2.5 | 84        |
| 2  | An improved mini-channel based liquid cooling strategy of prismatic LiFePO4 batteries for electric or hybrid vehicles. Journal of Energy Storage, 2021, 35, 102301.   | 3.9 | 60        |
| 3  | A numerical analysis on multi-stage Tesla valve based cold plate for cooling of pouch type Li-ion batteries. International Journal of Heat and Mass Transfer, 2021, 177, 121560.  | 2.5 | 50        |
| 4  | An insight of <scp> CO <sub>2</sub> </scp> hydrogenation to methanol synthesis: Thermodynamics, catalysts, operating parameters, and reaction mechanism. International Journal of Energy Research, 2022, 46, 5503-5522.         | 2.2 | 38        |
| 5  | Comparative assessment among several channel designs with constant volume for cooling of pouch-type battery module. Energy Conversion and Management, 2022, 251, 114936.  | 4.4 | 37        |
| 6  | Polyaniline supported g-C3N4 quantum dots surpass benchmark Pt/C: Development of morphologically<br>engineered g-C3N4 catalysts towards "metal-free―methanol electro-oxidation. Journal of Power<br>Sources, 2020, 461, 228150. | 4.0 | 26        |
| 7  | "We Just Never Have Enough Time― Clinician Views of Lung Cancer Screening Processes and<br>Implementation. Annals of the American Thoracic Society, 2020, 17, 1264-1272.  | 1.5 | 24        |
| 8  | A compendium on metal organic framework materials and their derivatives as electrocatalyst for methanol oxidation reaction. Molecular Catalysis, 2021, 510, 111710.   | 1.0 | 16        |
| 9  | Electro-Oxidation Reaction of Methanol over<br>La <sub>2–<i>x</i></sub> Sr <sub><i>x</i></sub> NiO <sub>4+δ</sub> Ruddlesden–Popper Oxides. ACS<br>Applied Energy Materials, 2022, 5, 503-515.                                  | 2.5 | 15        |
| 10 | An optimized ANN for the performance prediction of an automotive air conditioning system. Science and Technology for the Built Environment, 2019, 25, 282-296.  | 0.8 | 14        |
| 11 | A feasibility assessment of single to multi/hybrid evaporative coolers for building air-conditioning across diverse climates in India. Applied Thermal Engineering, 2020, 168, 114813.  | 3.0 | 12        |
| 12 | Predictive assessment from ANN and MLR models to optimize the ideal evaporative/hybrid cooler based on experimental observations. Journal of Building Engineering, 2021, 44, 103256.  | 1.6 | 8         |
| 13 | Drop-in Replacement of Conventional Automotive Refrigeration System to Hybrid-Ejector System with<br>Environment-Friendly Refrigerants. Energy Conversion and Management, 2022, 266, 115819.                                    | 4.4 | 6         |
| 14 | Selection of an Ideal Coolant to Ward Off the Thermal Runaway of a Pouch Type Li-Ion Battery Module.<br>Journal of Electrochemical Energy Conversion and Storage, 2021, 18, .   | 1.1 | 4         |
| 15 | Experimental and Numerical Investigations of Johnson Cook Constitutive Model for Hot Flow Stress<br>Prediction of Inconel 625 Alloy. , 2019, , .  |     | 2         |
| 16 | Comprehensive exergetic, sustainability and enviro-economic evaluation of single-stage and hybrid evaporative coolers in India. Sustainable Energy Technologies and Assessments, 2021, 47, 101403.                              | 1.7 | 2         |
| 17 | Experimental evaluation of energetic and exergetic enactment for exotic evaporative to<br>expansion-type edifice-coolers. International Communications in Heat and Mass Transfer, 2022, 135,<br>106064.                         | 2.9 | 2         |
| 18 | Performance of an automotive air conditioning system with the variation of state-of-charge of the storage battery. International Journal of Refrigeration, 2017, 75, 104-116.   | 1.8 | 1         |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Climatic Effect on the Exergetic Performance of Conventional to Hybrid Evaporative Coolers With<br>Varying Dead-State Temperatures in India. Journal of Thermal Science and Engineering Applications,<br>2022, 14, . | 0.8 | 0         |