Dr. S Vengatesan Publications

1. Suppression of anodic kinetics of stainless steels during biofilm development in natural seawater
2. Portraying manganese biofilms via a merger of EPR spectroscopy and cathodic polarization
3. Quaternized poly (styrene-co-vinylbenzyl chloride) anion exchange membranes: Role of different ammonium cations on structural, morphological, thermal and physio-chemical properties
4. Hetero-structured Au NPs / CdS / LaBTC MOFs Photo-anode for Efficient Photo-electrochemical Water Splitting: Stability Enhancement via CdSe QDs to 2D-CdS Nanosheets Transformation
5. Defect-Rich Metallic Titania (TiO1.23) - An Efficient Hydrogen Evolution Catalyst for Electrochemical Water Splitting Catalysis Science & Technology
6. Time- and temperature-resolved in-situ NMR studies on simultaneous quaternization/cross-linking of poly(vinylbenzyl chloride) polymer with hexamine
7. Quaternized poly (styrene-co-vinylbenzyl chloride) anion exchange membranes for alkaline water electrolysers
8. Novel cross-linked anion exchange membrane based on hexaminium functionalized poly(vinylbenzyl chloride)
9. A role of lithiated sarcosine TFSI on the formation of single crystalline SrTiO3 nanocubes via hydrothermal method
10. Membrane electrode assembly degradation under idle conditions via unsymmetrical reactant relative humidity cycling
11. Degradation of a PEM fuel cell stack with Nafion (R) membranes of different thicknesses. Part II: Ex situ diagnosis
12. Degradation study of MEA under idle conditions via unsymmetrical reactant RH cycling
13. Development of non-precious oxygen reduction reaction catalyst for polymer electrolyte membrane fuel cells based on substituted cobalt porphyrins
14. Effects of curing condition of solution cast NafionA (R) membranes on PEMFC performance
15. High dispersion platinum catalyst using mesoporous carbon support for fuel cells
16. High temperature operation of PEMFC: A novel approach using MEA with silica in catalyst layer
17. Operation of a proton exchange membrane fuel cell under non-humidified conditions using a membrane–electrode assemblies with composite membrane and electrode
18. Operation of a proton-exchange membrane fuel cell under non-humidified conditions using thin cast Nafion membranes with different gas-diffusion media