

Ra Senthil

List of Publications by Year in descending order

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16
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759233

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16
times ranked

1194
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Recent advances in MoS ₂ nanostructured materials for energy and environmental applications – A review. Journal of Solid State Chemistry, 2017, 252, 43-71. | 2.9 | 216 |
| 2 | Recent developments of metal oxide based heterostructures for photocatalytic applications towards environmental remediation. Journal of Solid State Chemistry, 2018, 267, 35-52. | 2.9 | 187 |
| 3 | Synthesis and characterization of low-cost g-C ₃ N ₄ /TiO ₂ composite with enhanced photocatalytic performance under visible-light irradiation. Optical Materials, 2017, 64, 533-539. | 3.6 | 111 |
| 4 | Synthesis and characterization of (Ni _{1-x} Co _x)Se ₂ based ternary selenides as electrocatalyst for triiodide reduction in dye-sensitized solar cells. Journal of Solid State Chemistry, 2016, 238, 113-120. | 2.9 | 62 |
| 5 | Synthesis of various carbon incorporated flower-like MoS ₂ microspheres as counter electrode for dye-sensitized solar cells. Journal of Solid State Electrochemistry, 2017, 21, 581-590. | 2.5 | 40 |
| 6 | Enhanced performance of dye-sensitized solar cells based on organic dopant incorporated PVDF-HFP/PEO polymer blend electrolyte with g-C ₃ N ₄ /TiO ₂ photoanode. Journal of Solid State Chemistry, 2016, 242, 199-206. | 2.9 | 34 |
| 7 | Synthesis of γ -Mo ₂ C by Carburization of γ -MoO ₃ Nanowires and Its Electrocatalytic Activity towards Tri-iodide Reduction for Dye-Sensitized Solar Cells. Journal of Materials Science and Technology, 2016, 32, 1339-1344. | 10.7 | 29 |
| 8 | Performance characteristics of guanine incorporated PVDF-HFP/PEO polymer blend electrolytes with binary iodide salts for dye-sensitized solar cells. Optical Materials, 2016, 58, 357-364. | 3.6 | 28 |
| 9 | A study of photocatalytic and photoelectrochemical activity of as-synthesized WO ₃ /g-C ₃ N ₄ composite photocatalysts for AO7 degradation. Materials Science for Energy Technologies, 2020, 3, 43-50. | 1.8 | 28 |
| 10 | Organic dopant added polyvinylidene fluoride based solid polymer electrolytes for dye-sensitized solar cells. Journal of Physics and Chemistry of Solids, 2016, 89, 78-83. | 4.0 | 24 |
| 11 | Optimization of performance characteristics of 2-mercaptopyridine-doped polyvinylidene fluoride (PVDF) polymer electrolytes for dye-sensitized solar cells. Journal of Non-Crystalline Solids, 2014, 406, 133-138. | 3.1 | 23 |
| 12 | Influence of organic additive to PVDF-HFP mixed iodide electrolytes on the photovoltaic performance of dye-sensitized solar cells. Journal of Physics and Chemistry of Solids, 2017, 101, 18-24. | 4.0 | 20 |
| 13 | A Comparative Study on the Role of Precursors of Graphitic Carbon Nitrides for the Photocatalytic Degradation of Direct Red 81. Materials Science Forum, 0, 807, 101-113. | 0.3 | 15 |
| 14 | Hematite Fe ₂ O ₃ Nanoparticles Incorporated Polyvinyl Alcohol Based Polymer Electrolytes for Dye-Sensitized Solar Cells. Materials Science Forum, 0, 832, 72-83. | 0.3 | 12 |
| 15 | Synthesis of Efficient Ni _{0.9} X _{0.1} Se ₂ (X=Cd, Co, Sn and Zn) Based Ternary Selenides for Dye-Sensitized Solar Cells. Materials Science Forum, 0, 832, 61-71. | 0.3 | 11 |
| 16 | A Facile Synthesis of Anatase Ni ²⁺ Doped TiO ₂ Nanorods with Highly Improved Visible-Light Photocatalytic Performance. Current Analytical Chemistry, 2021, 17, 279-284. | 1.2 | 6 |